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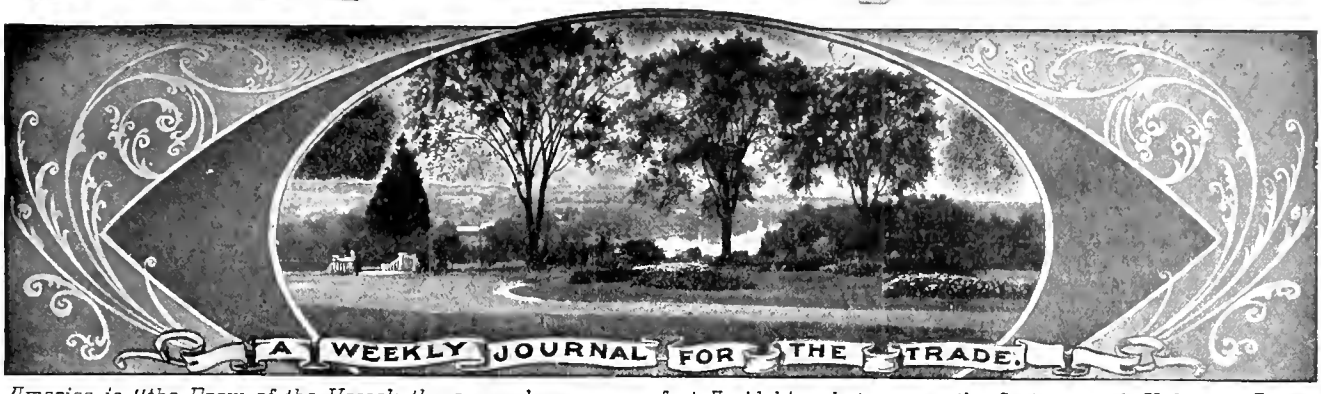
THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

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Seasonable Notes on Easter Plants.

The preparation of Easter stock is naturally one the most important parts of the work of the plant grower at this season, the trade of that festal time in flowering plants being by far the greatest for any one occasion of the year. But so much has been said about this portion of the work by various authoritative writers in the past that to old hands at the business it seems almost like useless repetition to discuss it at any length. The reason offered for referring to the matter is found in the fact that each season produces some beginners in the trade who naturally look for information to the trade journals, and to ask questions regarding trade matters that are not quite clear to them. The first point of importance, and one that should be kept well in mind from this time forward, is that Lent begins on February 12 and consequently Easter falls on March 30, a sufficiently early date to require fairly steady forcing for any slow subjects that one may have to handle.

When forcing Lilium longiflorum many growers prefer to have the buds in sight on Ash Wednesday, and this rule is especially applicable when preparing for an early Easter, for there may be many dull days in February and March, and if there are a few plants that move along too fast it is an easy matter to remove them to a cooler house in order to retard the flowers.

Since there has been so much difficulty with diseased lily bulbs of late years, the practice of potting them up in 4-inch pots and afterward shifting the plants into their blooming pots has been much used, this method economizing space during the early part of the season, and also giving a chance to weed out the diseased plants before the final potting. It is also a convenient plan when it is desired to make up some large specimen plants in 8-inch or 10-inch pots. The plants, having been grown in small pots, may be grouped much better in the large pot without disturbing the roots.

The repotted lilies require a little judgment in the matter of watering, as at that period it is quite easy to get them sodden, and thus to check their root action to some extent. In fact, during dull weather it is better to be a little sparing with the water on these plants, provided they are not allowed to get very dry, but after the buds are showing, plenty of water will be needed and also some liquid manure at intervals of a few days. Lilium longiflorum, and also its relative, L. Harrisii, will bear hard forcing after the buds are up, but under such treatment they require a good deal of moisture, and any neglect in this particular is likely to be shown in tipped leaves, a condition that takes much from their value among a critical trade.

A good Easter lily in a 6 inch pot should be about thirty inches high, have clean, dark foliage down to the pot, and carry five to six flowers. Stock of this description seldom fails to find a ready market, a plant of this size being much more salable than those of larger size, and carrying flowers enough to make a paying crop. Another hint in regard to the Easter lily business is that they should be neatly staked and tied and the pots thoroughly scrubbed before they are sent into the store, for a lily in a dirty, slippery pot is an abomination to a careful retailer and far from attractive to his customers.

Hydrangeas for Easter should be moving along nicely now, for it should be remembered that these plants ought to have fully twelve weeks to bring their flowers to perfection, and many an unfortunate grower has had the disheartening experience of watching the trusses on his hydrangeas still remaining green while the days of Easter week were gliding swiftly by, and the profits of that bench or house were vanishing with equal rapidity. Those hydrangeas also remind us of the fat boy depicted by Dickens, inasmuch that they are always hungry and thirsty, and especially is this the case after the flowers are showing, when liquid manure should be given freely. A steady night temperature of 65° is about right for these plants when brought into heat at the right time, and if they can be brought into bloom in time to give them a week in a cool house to harden them off before being sold, the plants will be much more satisfactory to the buyer.

Azaleas do not require much forcing in order to bring them in safely at Easter, and next to the lilies are the greatest favorites with the public, though these plants are so often neglected in the matter of watering that it is not unusual to see many of them in a sadly bedraggled condition by Easter Monday, a condition that should not appear in that short space of time if the purchasers of these plants would only appreciate how much water such a mass of flowers will evaporate in twenty-four hours. The circulars giving information about the treatment of house plants that are being distributed by many retail florists are decidedly beneficial to the trade in general, for the

greater success the amateur gardener enjoys the greater will he the temptation to make further experiments, and with the natural result of increasing the sales of the neighboring florist.

Cytisus, or genista, does not attract the same attention that this beautiful plant used to do a few years ago, and a whole house of it is a little out of the ordinary except in the largest cities, but for all this it is a good plant for certain purposes, and no other of the same color is quite so graceful and effective in an Easter decoration as the cytisus, even though the flowers may drop rapidly in a dry room.

Crimson Rambler and other pot roses are always in demand at Easter, and one should always give them time enough in the forcing process, from twelve to fourteen weeks from the dormant condition to the opening flowers being enough in most cases. About half the period from the time the plants are brought into heat they should be forced quite gently, and the flowers will be much better if the night temperature does not exceed 60° at any time, for too much heat will only give a weak growth and flowers of little substance.

During all these forcing operations green aphis must be guarded against, for at such time this pest spreads very rapidly, and it is a good practice to keep some chopped tobacco stems among the plants and also to vaporize some tobacco extract in the greenhouse at least once a week.

W. H. TAPLIN.

John Chambers.

John Chambers was born in Canterbury, County of Kent, England, and was educated at Sheldwich and Faversham Grammar Schools. In June, 1861, he was sent to learn the gardening and florists' business under Mr. Langley, then head gardener for Earl Sondes. After serving three years here, he went to Hugh Low & Co., of Upper Clapton, for one year, after which he drifted back to his native county, and was employed at Belmont Park for three years, during the last two years as foreman. He spent a year in the landscape department of B. S. Williams & Son, of Upper Holloway and then secured a position as gardener at Hartsholme Hall, Lincoln, where he remained until 1871. Then he decided to try his fortunes in Canada, and landed in Toronto, where he secured employment with late ex-Alderman Jas. Fleming, for whom he was foreman for over six years. In 1878 Mr. Chambers was appointed by the City Council of Toronto to take charge of and lay out the new Exhibition Park. So well was this work done that in the spring of 1884, he was appointed by the Council as superintendent of all Toronto public parks. At this time there was practically no park system in Toronto, only several pieces of ground owned by the city. He took hold of these and in his comprehensive way gradually worked them up to their present splendid condition. Other pieces of ground around the city, which were almost waste, he converted into flower gardens and play grounds. Since then High Park and Riverdale Park have been added and are in progress of development. At Exhibition Park, where Mr. Chambers resides, there is a fine collection of orchids, nepenthes and stove plants, and many old favorites, which are no longer to be seen in the trade, are found here. The perfection of these plants proves him to be a thorough practical gardener, as well as a man of great organizing power, and not least remarkable is his ability to have so much work executed with the appropriation which the city grants. He has probably done more for the interests of horticulture than any other man in his vicinity. On the formation of the Toronto Florists' and Gardeners' Club he was elected president, and re elected for two years following, after which he has always been on the executive committee, until December 17, 1901, when he was again elected president by acclamation. Of the other local societies interested in horticulture he is honorary director of the Industrial Board, was the first president of the Horticultural Society, and is second vice-president of the Electrol District Society.

H. G. D.

A House of Mignonette.

The illustration opposite is reproduced from a photograph of a house of mignonette, taken January 10, at Emil Buettner's establishment, Park Ridge, Ill. The picture conveys but a faint idea of the high quality of the plants, which are from seed of a strain carefully selected

JOHN CHAMBERS.
(President Toronto Florists' Club.)

by Rudolph Asmus, of New Durham, N. J., for a number of years past. The spikes are from eighteen to twenty-four inches high. Mr. Buettner sows the seed in 3-inch pots during the latter part of July, thinning out the plants until only two of the strongest remain in each pot. From the pots the plants are transferred to the benches about September 15, placing them eight by twelve inches apart. When they commence to grow in the benches, the top of each plant is pinched out to induce branching. The soil employed is a stiff loam prepared like that for roses.

Iowa Florists Organize.

Florists representing fifteen counties in Iowa recently met at Chariton and organized the Southwestern Iowa Florists' Association. There was a general discussion on trade topics and the following officers were elected: President, J. F. Wilcox, Council Bluffs; financial secretary, C. G. Anderson, Red Oak; corresponding secretary, I. C. Hon, Creston. Des Moines is the next place of meeting.

The Business End of Horticulture.

[*An address by Patrick O'Mara, of New York, before the Massachusetts Horticultural Society, Boston, January 25, 1902.*]

LADIES AND GENTLEMEN:—When our good friend, Mr. Low, invited me to read a paper on some subject connected with horticulture, I explained, as I did once before, that, while being grateful for the honor, I was at a loss to know upon what lines I could prepare a paper worthy of the attention of this society, second, as it is, to none in the world. I solicited his advice, and the advice of the committee through him, and was further complimented by the assurance that anything I should prepare would in all likelihood be satisfactory to them. Being thus, so to speak, at my wits' end, I chose "The Business End of Horticulture" as a title for such observations as I might offer you.

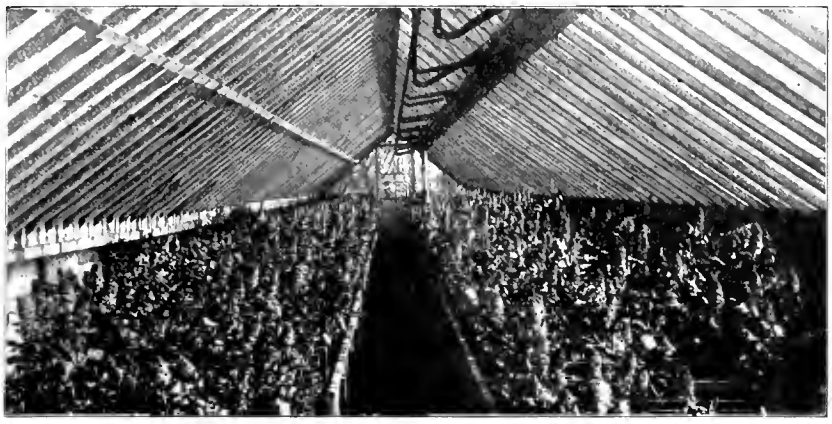
I will stick to the text as closely as possible, but at the very outset the temptation to wander is irresistible. Some may ask if I consider the end of horticulture to be business. This prompts me to observe that I am not bold enough to prophesy the end of horticulture. It also prompts me to observe that since coining the title, I have been industriously engaged in a mental quest for the business end of it; but up to the present moment I have not run down any end that looks most like it, or tied a knot in it. The quest for the business end of a bee or a mule would be a simpler matter.

An acquaintance of mine in the trade once sagely remarked in my hearing that in his opinion any fool could grow good plants, but that it required a man of great wisdom to sell them. It looked to him as if he had discovered the business end for certain. I may remark parenthetically that the gentleman referred to was a grand and gloomy failure in both departments; he is a fair sample of the know-it-all. There is a story told to the effect that a young man who was ambitious to succeed in business once obtained the ear of the late Commodore Vanderbilt and sought his advice. He is reported to have asked him if the secret of success in business was knowledge, or was it some fortunate inspiration? The gruff old Commodore tersely replied: "No, my young friend; not inspiration; perspiration, sir, perspiration." And it may be truly said that if the business joint of horticulture is anywhere in particular, it is at the elbow, and it should be well greased.

Eternal vigilance is the price of much that we have and hold; it is particularly the price the successful horticulturist must pay. The "art that doth mend nature" is not one for the dilettante; it is one for the sober, steady, persevering, painstaking, intelligent worker. The cry goes up from many who fail: "I have no luck with my stuff, like so and so." That wail is even heard from the professional florist, who ought to know better. If he watched Messrs. So-and-So he would discover that they are men who study cause and effect and have the sense to apply as well as the energy to execute. They may, perchance, be unable to prepare an exhaustive treatise on the structural formation of plants or give an analysis of the soil, their methods may be rule of thumb ones, their school may be, and undoubtedly in ninety and nine cases out of a hundred it is, an empirical one; but they obtain gratifying results, and that's the main point. Doctors' children are not always the healthiest.

If there is any calling, trade or profession which requires keen discrimination, quick perception, intuitive grasp and prompt decision in a greater degree than another, it is the horticulturists'. He is dealing with the forces of nature, his charges are mute and cannot announce when something has gone wrong. He must see it; he must do more than that, he must know, if he is to be successful, what is likely to injure them, and see that such is avoided. An ounce of prevention is worth a ton of cure in horticulture. Locking the stable door after the horse is stolen is mighty poor satisfaction. These random remarks, I trust, will be found to have some pointed reference to the "business end" of horticulture.

My experience in the trade has been exclusively along the lines of commercial horticulture, so that necessarily my observations will be mainly confined to matters less or more intimately con-



MIGNONETTE AT EMIL BUETTNER'S, PARK RIDGE, ILL., JANUARY 10, 1902.

nected therewith. I've enjoyed the advantage of some experiences with other branches. I've rubbed elbows with that interesting personage known officially as the "Ornamental Horticulturist," or, as one of my more learned and editorial friends would have him dubbed, the "Ornamentative Horticulturist." A few years ago he was, I suppose, the artist who made striped elephants with a fluffy tail and planted them on the lawn, who made butterflies and ships, birds and beasts, biped and quadruped, who had wheels in his head and got rid of them by expressing himself in wonderful convolutions, rings eccentric and concentric, all in plants that outrivaled Joseph's wonderful coat of many colors. The pity of it is for one of the business ends of horticulture that his tribe did not keep on increasing.

I am reminded of a story in connection with that branch of gardening. An itinerant disciple of the "art that doth mend nature" was called in to lay out some beds on a modest lawn. His "art" had not risen above a round, square and star-shaped bed, so when his whilom employer expressed a desire to supplement them with an oval bed he looked embarrassed; he was not quite sure what an oval bed was. It was explained to him that it was egg-shaped, and he understood. When the owner came around the following day and looked at the oval he was disappointed; it was overweighted at one end. He reproached the "artist" concerning it, and a great light broke in upon him when he was told by him: "Sure, sir, you told me to make it egg-shaped; and isn't an egg bigger at one end than the other?" There is some humor even in horticulture.

A prospective purchaser went into one of the seed shops not a thousand miles from here, where garden and farm implements were displayed, and asked a young clerk if he sold whiffletrees. He was gravely informed that they did not keep them there, but he would inquire of the nursery department. Another purchaser, who was giving an order and soliciting advice from a clerk as to quantities of seed wanted for certain numbers of plants, finally ordered a pound of raffia. The clerk, thinking he was ordering too much of it, gravely asked him how many plants of it he wanted to raise. A tree agent some years ago astonished the home office with the quantities of tree paeonias he was selling. Upon investigation it developed that he was recommending them as shade trees, which had in the summer the wonderful flowers shown in the picture book which he carried. There are incidents connected with the business end of horticulture and they do much to relieve the tedium of the day and hour.

Now let us consider where the business end—or, rather, ends—of horticulture are to be located. First in importance is the seedsman. Even here there is to be found differences; all do not travel on the same road. There is the box trade, for instance, a separate and distinct branch. Long before a town can support a seed store the box makes it appearance. The druggist, the general storekeeper, the jeweler, the grocer, almost any shopkeeper, will be the distributing agent for the seeds. The growth of this branch of the trade is something marvelous. In one generation we have seen one firm expand from a little shop, which barely paid the living expenses of the founders, into a great institution which ranks high among the finest commercial houses in the country. So systematized is this particular branch that the seed box follows close upon the heels of the settler into the most remote quarters. Not many years ago I was in a thirty-day-old town, seventy miles from the nearest railroad station, yet the seed box was there before me. Another branch of the trade was represented among the first settlers there, viz., the seed grower. So we see that two branches of horticulture are found in the forefront of the developing line.

The seed grower is a horticulturist who does not figure very prominently in horticultural essays, and yet he is an important factor. Many people believe that the large seed houses have one big farm where they grow all their seeds. That would be impracticable, for the reason that different seeds can be better grown in different localities. Peas and beans can be better grown in northern than southern localities. California will produce better seeds of many kinds than any other part of the country. Portions of Nebraska produce the best seeds of vine crops to be found in the country. Long Island seems to be the ideal place for cabbage seed production. Portions of Connecticut are unrivaled for the quality of onion seed produced. Northern New York and Maine are unexcelled for potatoes. The great northwest has exceptional possibilities as a seed producing country. Europe still supplies its quota of seeds and bulbs, but with the vast extent of territory over which floats the American flag, with the wide range of temperature, the rich soil, and the energy and intelligence of the men engaged in horticulture, there is every reason to believe that in the near future we will not only produce all we need ourselves, but we will be able to control the markets of the world in seed production.

The seed grower for the most part is a contractor who takes the stock supplied by the seedsman and delivers the entire product. His work is supervised by the seedsman, who inspects the growing crop and carefully "rogues," that is, destroys any plants which are not up to type, which, in other words, show a reversion to an inferior type. It often happens that an improvement will be apparent in individual plants and these are carefully marked, the seed product kept separate and sown the following season. This is the source of many of the improved varieties. It is obvious that the greater the amount of care bestowed on inspection, the greater the intelligence brought to bear upon it, the better in proportion must be the result. It is upon this care and intelligence that reputation is based; hence the difference in stocks sold. The seed grower is often a hybridizer, and to the patient work of these men we owe many of the improved varieties now in existence.

The greatest vehicle, unquestionably, for developing horticulture is the catalogue of the seedsman, the nurseryman and the florist. The first is beyond doubt the most important in its effects and might be called the center from which the business ends radiate, the millions of catalogues distributed annually are an inspiration to the recipients and to the hundreds of thousands who are influenced by seeing their neighbors engaged in horticultural work. Great is the responsibility of the catalogue firms and great is the labor involved. It is undeniably the most trying of all the business ends of horticulture. The men engaged in it must be ever on the watch for new and improved varieties; they must lead and not follow popular opinion; but yet they must be cautious not to get too far in advance. They must be ready to explain why crops fail, they must be able to advise remedies, they must be entomologists, pathologists, be up in soil chemistry, and, when the great extent of the country is considered, it is readily understood that the task is not an easy one.

They must be ready to tell when and what to plant or sow in farm or garden from Puget Sound to Florida keys, from Aroostook to San Diego. They must be able to tell the dear old lady what is the matter with her sick geranium or

LILACS AT EMIL BUETTNER'S, PARK RIDGE, ILL., JANUARY 10, 1902.

her debilitated begonia. They must be prepared to have their honesty impugned whenever a clerk makes a mistake and sends the wrong variety. They must be prepared very often for the same contingency when from causes entirely beyond their control crops fail, plants die or seeds do not germinate. To be successful, the catalogue man must be not only resourceful in business methods, enterprising in developing and introducing varieties of merit, but he must be optimistic, he must be able to communicate his optimism to his customers, he must be liberal in his dealings, be ever patient, be a natural diplomat, and, above all things, be scrupulously careful to send out only the best obtainable.

What is said of the seedsman is also applicable in a great measure to the nurseryman. The details of his business are hardly as numerous, however, consequently not as trying. His business is in a larger degree localized, which tends to simplify it. With San Jose scale, peach yellows and other troubles incident to his stock and the legislative effort to control them, he is not without troubles of his own. The nurseryman, too, must be up in the "ologies," even more so perhaps than the seedsman. He must be a fair lawyer, as well, and be an expert in transportation matters.

The lithographer and the tree agent are powerful agents to the nurseryman. The latter, armed with his book of plates, wends his way over the face of the land, in many cases reviled and thrust out, treated little better than the hobo. His book is sneered at, and, while it may be a trifle highly colored, and the size of the pictured flowers and fruits may be a little exaggerated, yet a long experience has shown that such are the best fitted to tempt the wavering into purchasing something which will really be a benefit to them. It is a case where the end justifies the means, if there ever was one. Many a garden would be given over to weeds which now supplies a few fruit trees and small fruits, many a porch and dooryard would be as bare of living ornament as the proverbial "Job's turkey" was of flesh and feather, were it not for the tree agent and his book. That business end of horticulture is not "one grand sweet song" for the men engaged in it; the emoluments arising from it will not make them plutocrats. Be patient with them, then, if not for themselves, at least for the good they accomplish. The good they do lives after them; the evil is cut down and cast into exterior darkness.

The grower for the catalogue firms is another of the business ends of horticulture; that is, the man who grows plants in quantity on contract or who grows them on speculation to sell in large quantities. His field embraces greenhouse plants, fruit plants, hardy outdoor plants, shrubs, roses and bulbs. It is a safe business on the whole, but is not capable of great development, like the catalogue trade. It is generally followed and taken up by men who have some land, but little working capital, and the profits are as a rule very meager. Because of the limited capital with which it can be entered, provided the land is already secured, a great many of the smaller nurserymen, florists, and even farmers, have entered it of late years, and it may be safely said to be a well-plowed field at the present time.

Because of the fact that these men are not in touch with the retail market they grow many things for which there is not ready sale. Failing to obtain buyers for these at remunerative prices, they are frequently taken up at a sacrifice and pushed by catalogue men, to the detriment of better things. I think it may be accepted as an axiom that the successful catalogue business man must be a bona fide producer, either under his own direct control or by the contract system. This applies to plants more than seeds or bulbs, which can be treated as merchandise. The expense of catalogues, advertising, packing and growing hardly admit of developing a large business by buying plants and selling again; besides, there is always the trade grower who has a surplus of something inferior to offer at a tempting price, and it is well to beware of the "great pennyworth."

The business end of horticulture represented by the cut flower grower is perhaps the simplest, in a business sense, of any. In that the skill of the grower is the paramount issue. His product is sold for what it is worth on sight. Although the market takes exasperating tumbles, he has little, if anything, to do with it. He is saved the nerve wear incident to bargaining, planning how to get rid of his product, how to get his money after he has sold, and the many and vexatious problems incident to barter and sale. I speak of the grower who supplies the large cities and consigns to a commission house. Of course he is constantly consigning the commission man to a place warmer than his hottest greenhouse, but that is his privilege, and the commission man gets accustomed to it, so no one is much hurt. The market is cut out for him. The rose grower has the great triology of Beauty, Bride and Bridesmaid. The carnation grower has a little more vexed problem as to the varieties he will grow, but it is plain sailing for the violet grower.

CYPRIPEDIUM EXUL X LATHAMIANUM.

(See "Cypripedium Blooms from England.")

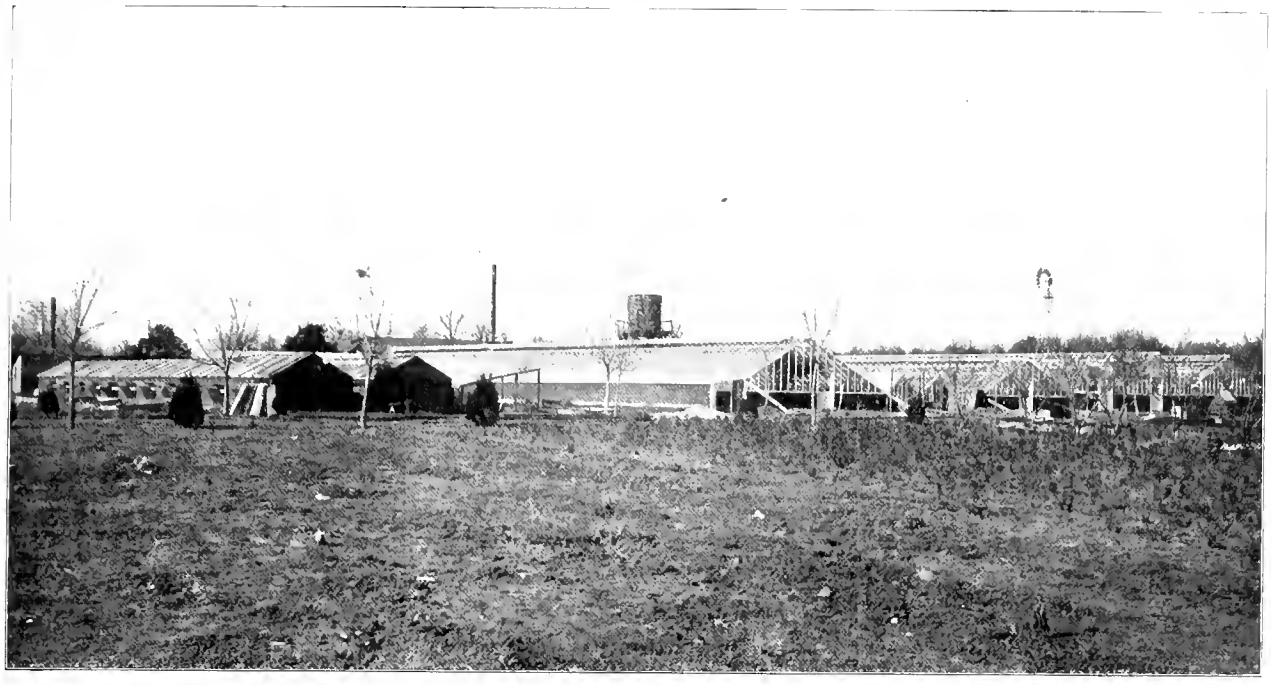
The various committees of the leading trade societies settle many a problem for the carnationist and chrysanthemum grower, but they like to nibble at the new things so as not to be caught napping. This gives them a chance to grumble once in a while but it makes life interesting for them. There is always something new coming up in roses, too, to vex the grower. If the man who gets hold of the new one first has a reputation and can succeed in growing it well it is an easy matter for him to get a market for the plants and so turn an honest penny.

But business instinct counts just as heavily in growing cut flowers as in the other business ends of horticulture. It was business instinct which years ago influenced one of our leading growers of roses to discard every flower which did not come up to his standard. That policy made his reputation and was the foundation of his success. It worked both ways; it concentrated his efforts on producing something up to that standard and maintaining it, while it made his reputation. It did more; it elevated the standard and really made two classes of growers in all lines of cut flower growing, the one which aims at "fancy" flowers and which embraces all the high class establishments, the other which does the best he can and takes things as they come. I've been among growers of violets and have seen flowers discarded for slight imperfections of color which the unobservant eye would scarcely detect. I've seen roses discarded which a few years ago would be sent to the market for what they would bring. A walk through the wholesale districts in any of the large cities will reveal to the observer stocks of roses, carnations, violets, and so forth, which seem to be different varieties although the same, the difference being in the growing mainly, but also in the care with which the cutting, keeping and packing are done.

It is one of the most pleasant branches of horticulture and one of the most remunerative for the capital invested. It has developed fastest of all during recent years and although the constant cry goes up that it does not pay, it continues to develop. The demand for flowers is constantly growing and the laws of demand and supply are inexorable. The daily press devotes more attention to it than to any other branch and this has a great deal to do with its development. That advertisement acts also as a corrective, inasmuch as it attracts to the trade people with capital seeking investment where there is a certain profit. No one flower has been boomed more in recent years in the daily press than the violet. The ease with which it can be grown and the attractive profits resulting from its culture have been alluringly set forth by writers in the daily press who never grew a violet and knew nothing about the subject. The result has been that many people, particularly women with a penchant for flower growing and a desire to earn "pin money," have gone into the business by the hundreds. Their usual method—following the directions of the daily newspaper horticultural teacher—is to procure sashes and a few hundred plants.

The certain result is failure, for they cannot compete with the professional grower who is well equipped with knowledge and has an establishment suited to the purpose. The almost unvarying result is failure for these enthusiastic tyros; but they are a disturbing element to the trade. They produce some flowers of a low grade, which come in at a time when the crop is most plentiful. They also disturb the equanimity of the professional grower by their eager appeals for advice. They disturb the seedsman and general florist in the same way, but they do not disturb the equanimity of the daily newspaper, for that institution and the young man or young woman who wrote the articles which were the cause of all the turmoil are too busy following up the political fortunes of rival politicians, interviewing actresses and society leaders, dilating on the fluctuations of copper or "nipper" stock, exploiting the careers of aspiring pugilists, revelling in the mire of the latest scandal, picturing the horrors of the freshest murder, reporting horse shows and horse races, thrilling the dear public with prognostications of impending wars, and so the florist is left to reap the troubled aftermath while the newspaper goes on to fresher fields.

The business end of horticulture represented by the shopkeeper in the large cities is a branch unto itself. It's connection with the producing branches is a very slender one and seems to be growing more attenuated. Why this should be does not appear on the surface to most of us. The fact remains, however, that as a class they hold aloof from the trade organizations, when it would seem that their interests would be conserved by affiliating with them. The combination of all branches of trade horticulturists in one organization should inure to the benefit of all. The smaller cities are generally represented in the shopkeeping by the man who is himself a grower and whose wife or daughters "tend store" and make up floral designs. The great shopkeepers in the large cities are "artists" and indulge in fads. They, in some cases, drop their first names, like the ladies tailors and milliners. But the development of that branch has been wonderful. Glass delivery wagons, with gold mounted harness and something suspiciously like a crest embossed thereon, have become the sign manual of the successful floral artist in the large cities. The addition of "ribbons and laces to set off the faces" of pretty flowers seems a natural accompaniment to the style of business; but it seems inconsistent with the prevailing "natural" style of flower arrangement. It is positively painful to see flowering plants swathed in ribbons and paper or tied up with bow knots like a poodle dog,



THE ESTABLISHMENT OF THE HASKELL AVENUE FLORAL COMPANY, DALLAS, TEX.

and it is to be hoped the "artists" will abandon it or their patrons get tired of it very soon.

In horticulture as in everything else the men who originate either methods or varieties are the men who shape the business, ends and all. The men who hybridize, the men who investigate, the men who do the thinking, are the men who supply the motive power for the whole. The originators of the new varieties of fruits, flowers and vegetables have not only conferred a benefit on the people at large but have made it possible for the grower to continue in a profitable business. The man who first propagated roses in summer and began a special business of mailing them showed the way to dozens of successful imitators. The man who developed the idea of the shallow bench and annual planting of roses for cut flowers was in his way a Columbus. The man who first used large glass and light frames in greenhouses made it possible to produce the quality of flowers in evidence today. The man who built big greenhouses to grow lettuce, tomatoes, cucumbers, and so forth, made a great forward stride. The men who started the first trade journal made an important innovation.

The business ends of horticulture are many and various and I trust enough has been said about them in this paper to show to those who may not have considered the matters covered, that they are interesting and important, at least to those engaged in them.

Cypripedium Blooms from England.

On January 22 we received three cypripedium blooms by mail, from Alfred Dimmock, the American representative of F. Sander & Co. The flowers were mailed at the home address of the firm. St. Albans, Eng., January 9, and arrived in perfect condition, as may be imagined from the illustration of C. exul × Lathamianum herewith, reproduced from a photograph taken the day of arrival. The other two flowers, C. Calypso, Oakwood variety, and C. Leeanum delicatum, arrived in equally good condition. The base of the stem, in each case, was placed in a little damp sphagnum and wrapped in thin rubber securely tied with raffia. The flowers were then placed in an extra strong cardboard box, the vacant spaces being securely filled with small pieces and wads of dry tissue paper.

WITH THE GROWERS.

HASKELL AVENUE FLORAL CO., DALLAS.

There are in Texas no more progressive nor up-to-date establishments than the Haskell Avenue Floral Company. In fact, it would be difficult to find a more enterprising business house in any northern city, although the south is not usually credited with push and energy equal to that characteristic of the northern craftsmen.

The business was started about five years ago, as the Texas Seed and Floral Co., but recently the greenhouse end was divorced from the retail store and seed business. Its proprietor is Seth Miller, one of the solid business men of Dallas, and the superintendent is F. W. Beach, formerly of Richmond, Ind.

Within the past year the glass area was doubled and a new range of six large houses is planned for the approaching spring. At present there are twelve houses with an area of 35,000 square feet and the new addition will bring this up to 54,000 feet. They also have 5,000 feet of storage frames, in which there are at present dormant 2-inch roses, 200,000 of which will be planted out in the spring.

At present about 15,000 feet of glass is devoted to cut flowers, carnations, roses and violets principally, with smilax and some other specialties. The rest of the place is used for roses and plants, of which large quantities are needed for an extensive catalogue and mail trade. The packing shed, 22x132, is one of the features of the place, being equipped with every known device to facilitate packing and routing the shipments.

The plant is heated by three hot water boilers and one of the features of the construction is that the posts, bench legs and all wood which comes in contact with the soil is bodock, which never rots. The posts are set in cement. A water works system is being put in to irrigate the ten-acre field on which much stock is grown in summer. There will be a standpipe fifteen feet in diameter and sixty feet high. Three-inch pipes will lead to all parts of the grounds and a gasoline engine will pump the water from a deep well to the standpipe.

L. L. MAY & CO., ST. PAUL, MINN.

Under the superintendence of Frank Gustafson everything in and about the L. L. May & Company greenhouse premises at St. Paul is flourishing in a marked degree. In the line of roses they grow Liberty, Golden Gate, Bridesmaid, Bride and a few Lady Dorothea. Liberty is as profitable as Meteor, though not quite so prolific a bloomer. All the flowers are salable, there being no "bull heads," as is common with the Meteor. As an all around variety Golden Gate is the most profitable, it being always in bloom and commanding a fair price in the market. Dorothea is becoming quite popular and it is predicted here that it will be a general favorite when its good qualities become more widely known. Nearly all rose stock is grafted on Manetti. This not only produces stronger plants and better bloom but it is perfectly free from club root, with which own root stock has been troubled in the past.

The carnations are this season certainly the finest ever grown on the place. Mrs. Lawson, though planted late, is now throwing up numerous long, stiff stems and producing blooms which average three to four inches in diameter. In red Crane and America are grown, the former being the favorite. Bradt and its red sport are both doing remarkably well. In pink there is quite a number of sorts, the favorites being Marquis, Mrs. Joost, Melba and Triumph. White Cloud is the standard white, with Flora Hill a good second. Armazindy does remarkably well here.

A large stock of choice Boston ferns, Adiantum cuneatum, A. Capillus-Veneris, A. imbricatum and other good varieties is on hand, as well as a fine lot of Asparagus plumosus nanus and A. Sprengeri. They are potting off a lot of seedling ferns for fern dishes, there being about 12,000 in the lot. The spores for these came from Germany and proved to be an exceptionally good lot.

In bulbous stock this firm annually

forces from 30,000 to 50,000 Romans, 15,000 Paper Whites, 50,000 lily of the valley, 20,000 daffodils, 15,000 tulips, 5,000 to 10,000 Dutch hyacinths, and 10,000 Harrisii and longiflorums. They also grow large quantities of bedding stock and now have 20,000 geraniums potted up, besides thousands of other plants. They handle from 50,000 to 75,000 pansy plants each season.

Almost the entire output of this establishment is sold at retail, the firm doing, in addition to a large city trade, a large shipping business in the northwest.

FELIX.

The American Carnation Society.

We are in receipt of the announcement and schedule of premiums for the eleventh annual meeting of the American Carnation Society, to be held at Indianapolis, February 19 and 20. The meeting will take place at the German House. Copies of the schedule and full particulars may be had from the secretary, A. M. Herr, Lancaster, Pa.

It is announced that this year, for the first time, the society will have vases of its own, sufficient to provide for all exhibitors. Papers will be read by C. W. Ward, Queens, N. Y.; Wallace R. Pierson, Cromwell, Conn., and E. G. Gillett, Cincinnati, O. The question of incorporating the society, and of revising the by-laws will be considered.

The premiums offered are very liberal. There are eight first prizes of $12 and second prizes of $6 offered for vases of 100 blooms, and similar prizes of $6 and $3 for vases of fifty blooms. Eight first prizes of $3, and second prizes of $1.50 are offered for vases of twenty-five blooms, introductions of 1901, we take it, although the specifications are not as definite as might be wished. Special premiums are offered for Prosperity, Dorothy and Ethel Crocker varieties, and $50 divided into two premiums, for fifty blooms of any variety not yet in commerce. Various cups and vases are offered, among which is noted a cup valued at $25 for twenty vases of not more than twenty-five blooms each. A requirement of ten vases in this class would seem better, both in view of the value of the trophy, and of the fact that few growers can stage twenty varieties. The Lawson gold, silver and bronze medals for 100 blooms, one variety, are offered again, and the S. A. F. silver and bronze medals are offered for unintrodnced seedlings. There is no specified number of blooms required in competition for the S. A. F. medals. A definite, reasonable number should be required, as the judges may be in a quandary if it becomes necessary to pass upon one superlative bloom in competition with a vase of twenty-five not quite so good.

A reduced rate of a fare and one-third on the certificate plan has been obtained and a large attendance is assured.

SCALE OF POINTS FOR JUDGING.

Color	25
Size	20
Calyx	5
Stem	20
Substance	10
Form	15
Fragrance	5
Total	100

A New Forcing Rose.

Soupert & Notting, of Luxembourg, Europe, will introduce a new forcing rose this spring, over which they are most enthusiastic. It is a cross between Marechal Niel and Maman Cochet, made in 1894, and flowering for the first time in the spring of 1895. The variety has been given the name of Souvenir de Pierre Notting, and the character of the plant is shown in the accompany illustrations.

The habit of growth is strong and erect, but not climbing; the foliage is dark green, and the buds are long and pointed, the flower being very large and carried on fine stiff stems. It is stated to be an excellent keeper, and the open flowers are full centered. The color is deep, warm yellow, the center of the bloom tinged with a deeper, brilliant shade. The plants are very free flowering and the bloom sweet-scented. As a forcing rose the originators claim it to have its greatest merit. They have tried all manner of forcing tests in their greenhouses, and have every confidence that it will do well under ordinary, everyday greenhouse cultural conditions. One of its good qualities is that it is resistant to mildew and is never affected with this complaint, even when other varieties in the same house are covered with it.

In the larger one of the accompanying illustrations, plants are shown which were grated in November and flowered in the following February. In the other picture there is a group of thirty plants bearing more than 300 long-stemmed blooms. These are year-old plants, having been started to force in February and being in full bloom at Easter.

A GROUP OF PLANTS OF THE NEW ROSE, SOUVENIR DE PIERRE NOTTING.

Commercial Cultivation of the Carnation.

[*Read by George S. Osborn, before the Hartford Florists' Club, Hartford, Conn., January 28, 1902.*]

It is not my intention to go into the history of the divine flower, but to at once give you an experience not gained from reading works on the subject or by hearsay, but by actual observation and hard personal labor.

You may find here some radical methods and perhaps, to your minds, useless work, but during the past few years there have been agencies at work which have compelled us to adopt new methods in order to arrive at the desired results. I have no doubt that older and more experienced growers than myself will differ with me, but my views have been asked and the truth must be told and if discussion follows, as I sincerely hope it will, I shall endeavor to defend my points, which I think I can successfully.

Beginning with propagation, let it be said right here that all cuttings should be rooted in the establishment where they are to be grown. This is especially true of new varieties, they having in many cases to be grown a thousand or more miles from their native place and consequently have to get acclimated.

Now the sooner this is done the better, and I believe that a cutting taken from a healthy plant, placed immediately in damp moss and shipped to its destination is far better able to stand the journey and will arrive in as good condition if not better than one which has been in the cutting bench, where the temperature is often much too high. Even admitting that it has been properly rooted, it does the roots no good, and often harm, to be rolled in moss and subjected to rough handling.

Now as to getting acclimated, I claim from the moment the cutting is put in the cutting bench it begins to adapt itself to the change of water, air and other minor influences which are to bear upon its future life.

With cuttings from healthy plants at hand they should be properly trimmed and inserted in the cutting bench, which should have a brick or slate bottom covered to a depth of three inches with clean sand thoroughly packed. Heating pipes should be arranged to give bottom heat, also means provided to control it. After inserting the cuttings water thoroughly and examine each day, sprinkling as occasion requires. Propagation should be done in a shaded house designed for that purpose, for here can be maintained the proper temperature, 55°, with sand 5° or 6° higher, while in a growing house the risk of fluctuation in temperature, strong draughts and different degrees of light make the chances very poor of attaining the ideal.

When the roots are three-eights to one-half inch in length immediately pot in 2-

inch, stand in same temperature and shade until well established, when remove to full sun, either in a house devoted to carnations or one kept a few degrees lower. The potting of each cutting, while entailing extra work, will be found a profitable investment, for when lifted from the field the ball in most cases will be found intact and is a great help in getting the plants established after housing. It is preferable when the roots have filled the 2-inch pots to plant in flats or bench, from which they can be taken at planting-out time without injuring the ball.

Assuming that the soil in the field is in the proper mechanical condition and contains the proper food for carnation growth, the plot should be laid out in what may be called long beds. This is done by digging shallow paths every six or eight feet across the lot, throwing the soil up either way. These paths may run both ways of the lot or only one.

The chief advantage of this bed system is that in very wet weather the paths, if arranged according to the aspect of the land, will serve as conductors of surplus water and also can be put to advantage in a dry season to maintain a system of irrigation. Artificial watering, however, is not to be advised except in extreme cases. Thorough stirring of the soil around the plants after each rain will keep the plants moving.

From planting out to housing, continual attention and systematic cultivation should be carried on. No rule can be laid down governing the topping or cutting back of plants; each variety must be studied as to its habit of growth. A few illustrations may be in order. The variety Mrs G. M. Bradt is one of the most difficult to grow into shapely plants, while Mrs. Joost, Lawson and Marquis naturally take on a shapely habit. Daybreak, White Cloud and others of the sprawly habit need close watching.

Some growers advocate a sandy soil, claiming the water passes off quickly when watering, but soil capable of retaining moisture is best, as explained later under house culture; consequently the soil should contain a small percentage of clay. The soil should be prepared some time in advance, leaving the bone meal out until placed in the benches. This getting in soil to-day and planting tomorrow is all wrong; it is better gotten in two or three weeks in advance in order that it may become settled by watering. A crop or two of weeds may also be destroyed.

In using bone meal, get the best you can; it is none too good. One half the bone meal offered for sale should, like patent medicines, be thrown into the sea, where it would do the most good.

When it comes to housing, shade the houses on the inside by applying a mixture of whiting and water, either by brush or syringe; this daubing the outside with thin mud is not in keeping with recent improvements. Housing should begin as near July 20 as possible and be completed by August 15. This gives the plants time to become well established by September 1, and it is during this month that we are quite sure of having good growing weather inside. October will likely be a still better month and it behooves us to make the most of this sixty days to get the plants in the best possible condition to stand the strain of winter work, for poor plants in the benches November 1 means an unpaid board bill.

In planting carnations in the bench the order must be "Come, boys," not "go, boys." Dig a hole in the soil about six inches in diameter and two to three inches deep, forming a small hill rising in the center of the hole to within an inch of the soil level. On this hill arrange the roots, letting them fall naturally in all directions; scatter a small handful of soil among the roots, shake the plant slightly, draw in the remaining soil and pack down firmly, leaving the plant about one-half inch higher than it stood in the field.

GRAFTED PLANTS OF ROSE SOUVENIR DE PIERRE NOTTING.

As soon as the plants are set water thoroughly, seeing to it that every part of the bench is wet. Syringe overhead several times daily until it is seen that the root action has commenced, when the shading can gradually be removed, commencing on the glass admitting the first and last rays of the sun during the day. With plants well established give full sun and all the ventilation possible without letting the temperature go below 50° at night. About November 1 a little heat should be turned into the houses, for it is better with the thermometer at 40° outside to have heat on and ventilators open than no heat on and ventilators closed.

In order to understand watering carnations one must study the structure and general make up of the whole plant. Some authorities tell us that the carnation is a surface feeder, but I believe this is more due to conditions than to natural habit. Insufficient or untimely watering, too shallow benches and unsuitable soil tend to make the plant a surface feeder. Six inches of soil is none too much and it should be of such nature that water will penetrate every part quickly without an unnecessary volume passing through, as this carries out in solution valuable elements which should be held in readiness for the needs of the plants. It will be clearly seen that when the soil is wet to a depth of only one or two inches, leaving the lower part on the dry side, the roots will seek the surface, while if the moisture were where it should be, this would not be the case.

The bloom on the leaves and stems is taken on for the purpose of resisting disease and should in no case be removed by syringing or otherwise, but on bright mornings the plants are benefited greatly by a gentle shower all over them, opinions to the contrary notwithstanding.

The average temperature for carnations at night is 55°, some requiring 2° to 3° higher, others 2° to 5° lower. On bright days let the houses run up to 70° while on cloudy ones 60° is sufficient.

Insect pests are the result of shiftlessness and no amount of excuses offered can place the blame elsewhere, especially in these days when we have at hand so many preventatives.

Many of the diseases peculiar to the

carnation are caused primarily by the leaves being punctured by aphides or other insects, leaving the door open for disease to enter. Stem rot is classed as a fungous growth and can be, in a great measure, prevented by using carbonate of copper and ammonia solution in the cutting bench, also by spraying the plants after housing.

In the case of a variety known to be subject to stem rot it is advisable, after housing and watering for the first time, to make a shallow trench between the rows of plants and water in this until vigorous growth commences. Rust is a constitutional disease which seems to crop out in the finest varieties. It is best treated by picking off affected leaves and keeping the plants in a high state of cultivation.

To me the fact that a variety is liable to rust is evidence of blue blood, so prevalent does it seem among our finest sorts. This brings us to the point of harvesting and disposing of the finished product, a subject which can only be treated in a separate paper.

Gloxinia Crassilolia Grandiflora.

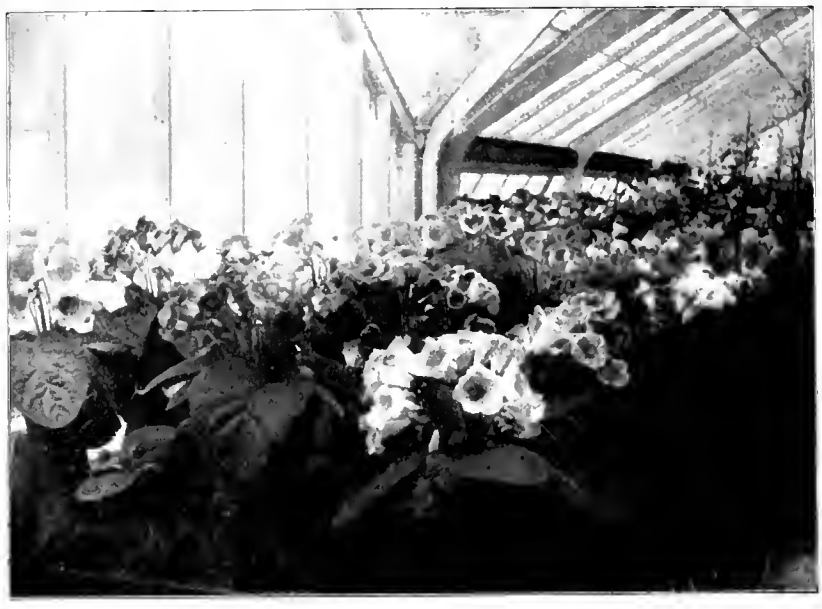
Now that the best season for growing gloxinias is at hand, both from seed and bulbs, it way be well to mention the improvement found in the bulbs offered by the seedsmen. From 100 bulbs purchased January, '01, the photograph herewith reproduced was taken in June. The excellent colors and general heathfulness attest to the care with which these bulbs are prepared for the market, all of which helps to insure the more profitable returns to the intending grower.

Gloxinia bulbs should be potted into small pots as soon as received, in a compost of two parts soil, one part leaf soil and peat, and one part sand, with a little finely chopped sphagnum moss and finely broken charcoal mixed through. Place them in a shaded position in a moist, warm greenhouse and water sparingly. As soon as sufficiently rooted pot into 5-inch and 6-inch pots, which will be their flowering pots, in the same compost, with the addition of a portion of well dried cow manure or poudrette.

The requisite condition from this time is a warm, moist atmosphere, a light shading, avoidance of wetting the foliage and cold draughts. Elevation on inverted flower pots is frequently necessary, as their large, handsome foliage sometimes covers the pots and would be otherwise injured. FRANCIS CANNING.

Trade Statistics.

We are in receipt of the preliminary statistics (official) of the area and value of land, buildings, implements and live stock, June 1, 1900, and the products and leading expenditures in 1899 of the establishments making commercial floriculture their principal business. The total number given for the United States is 6,159; with buildings, 6,159; total area, 42,647 acres; improved area, 34,692 acres; value of land and buildings, $50,619,866; value of buildings, $22,654,756; value of implements, $1,367,087; value of live stock, $396,548; value of products, $18,387,420; value of products fed, $83,359; expended in 1899 for fertilizers, $318,298; expended in 1899 for labor, $4,125,799. Establishments in the various sections of the country are reported as follows: North Atlantic States, 3,237; South Atlantic, 318; North Central, 1,971; South Central, 274; Western, 359.



HOUSE OF GLOXINIAS GROWN BY FRANCIS CANNING, VILLA NOVA, PA.

Similar statistics are at hand with regard to the farms making the sale of trees, shrubs and other nursery stock the principal source of income. The total reported for the United States is 2,022; with buildings, 2,010; total area, 165,374 acres; improved area, 137,188 acres; value of land and buildings, $18,075,050; value of buildings, $4 233,833; value of implements, $539,109; value of live stock, $459,307; value of products, $10 022,195; value of products fed, $192,799; expended in 1899 for fertilizers, $139,582; expended in 1899 for labor, $2,287,940. The farms reported are distributed as follows: North Atlantic States, 496; South Atlantic, 169; North Central, 836; South Central, 280; Western, 241.

From the foregoing figures it appears to us that a great many florists and nurserymen failed to report.

CARNATIONS.

KEEPING QUALITIES IN CARNATIONS.

Keeping quality depends largely upon the variety grown and upon selecting such as are good shippers, but there is still room for a great deal of experimenting to ascertain the treatment blooms should be given before shipping. Some varieties should be cut before they are fully developed and others should remain upon the plant until they are fully opened. In order to know just when these varieties should be picked it is necessary to make a test of the different varieties by picking one or two blooms of each and, placing them in a jar together, note their keeping qualities.

This will give an idea as to the keeping quality of the carnation, but not as to their shipping quality. We find, upon making shipments of long distance, say, from Chicago to Texas, that blooms should stand in water at least twenty-four hours before the shipment is made. We have tried this time and again by making a shipment of half the blooms that have stood in water twelve hours and the other half twenty-four hours, packing them in the same box, then having our customer report to us the condition they arrived in. We have not only tried this once, but with several shipments to the same customer, in different parts of the United States, and invariably those that had stood in water for twenty-four hours reached their destination in good condition, whereas those that had stood in water but twelve hours in many cases had gone to sleep in transit.

The same care should be taken in shipping blooms to wholesale commission houses, for, if we expect our commission men to do well for us, we must co-operate with them and send stock that will ship well, otherwise we are the losers. As we are doing a general shipping business, we always aim to keep a day's cut ahead. In that way we are able to fill telegraph orders with blooms that we know will keep. It is also essential to have a good cooling room. If blooms are allowed to stand in a room that is connected with the boiler house in any way, there is always a certain amount of gases that will affect the keeping qualities.

We have come to the conclusion a cooling room should adjoin the packing room, being on the same floor level, as it is much better than a cellar. We have built our cooling room the same as a refrigerator box, having three dead air spaces, a cement floor and an air shaft through the roof. It is so arranged that we can let in fresh air at the bottom, thus creating a circulation of fresh air at all times. This room should be kept perfectly dry, not allowing any water to be spilled on the floor or tables.

The temperature at which carnations are grown must also be taken into consideration, for if they are forced, as many are, two or three weeks before Christmas in order to secure a full cut for that date, the advanced price they bring does not compensate for damage done to the plants. The plants having been forced into full bloom for the holiday trade continue to bloom, and this forces upon the market a lot of weak stock that will neither keep nor ship. What can we expect from stock that is grown at too high a temperature and also pickled?

There are a number of varieties that are free bloomers, but will not ship well. These should be discarded by wholesale growers. Our business relations are becoming more widely extended each year, and with the increased demand for blooms also comes an increased demand

for new and better varieties. In order to meet competition the florists cannot give the matter of selecting new varieties, and such as are good shippers, too careful and thoughtful consideration, for in the excellence of product lies their success, which will be measured only by their ability to supply the choicest blooms and cuttings obtainable. J. D. THOMPSON.

DETAILS OF SEASONABLE TREATMENT.

If a grower intends exhibiting at the Indianapolis meeting of the American Carnation Society he will want to get his stock into good shape, to produce exhibition flowers, and he will find it a paying investment to get the flowers for sale into what might be called the exhibition class. Such flowers never find a glutted market and can always be sold at fair prices.

If the flowers are not bringing the prices they should it will pay the grower to visit Indianapolis and see what exhibition flowers are like and at the same time rub shoulders with the men who grow them With all our advance and boasted ability as carnation growers we have much to learn and this annual meeting of the American Carnation Society, with the object lesson of the exhibition which is part of the meeting, should be missed by no grower who can possibly arrange his affairs to take the few days required for attending it.

Exhibition flowers are more than the product of the plant; they are the result of brains and good management on the part of the grower. They are produced by a careful study of the needs of each variety in order that it may attain its fullest development, and then supplying these needs.

Most varieties from this date on will stand considerable feeding, but care must be used to see that each variety gets what it needs, no more, no less, for there is quite as much loss to carnation growers each season from overfeeding as there is from too little stimulation, and, rather than make a mistake, apply the extra nourishment in small doses and oftener, as this will enable the grower to watch results and increase or diminish the quantity as the plants may require.

This advice is especially applicable in the use of phosphates or chemical preparations, these giving the quickest and best results if properly used and producing the greatest injury if carelessly applied. No set rules can be given or used on account of the great variety of soils in which carnations are grown. A pint of some special fertilizer applied to a square yard of bench surface may produce the best results in one soil, may not be enough for another and too much for a third. Each grower will therefore have to experiment until he finds what is best for him to use.

Aside from the feeding there are a hundred and one little things that will help bring exhibition flowers. Keeping the benches free from weeds so that the air can circulate around the base of the plants and cutting an occasional branch away from the bottom to still further aid this circulation and allow some light to get to the soil on the bench is often a matter of wisdom, and especially so at this season of the year, when the plants are beginning to crowd themselves on the benches and if allowed to go unchecked will wear themselves out early in the the spring, in which case the quality of flowers produced will steadily deteriorate.

Keeping the plants neatly tied up is an adjunct to good culture and good flowers, but be careful not to pull them together so that they are crowded, as with the advent of brighter days one will have to do some syringing and if the plant is pulled together tightly the water will remain in the center and gradually soften the growth of the plant and start all manner of diseases.

Disbudding, always an important part of good culture, will also require more attention as the sun comes, for side buds should be carefully picked off once a week. Care in watering must be used to see that the plants do not get enough to soften them, causing the production of weak stems, and yet not be dry enough to produce short stems and small flowers.

As the days grow longer the air requires more attention and we unfortunates who cannot afford automatic ventilation need to give considerable time and attention to this end of carnation culture. The carnation is not quite so susceptible to a cold draught as is the rose and does not show evil effects nearly so quickly, but it is injured none the less and on a bitter cold day or when the wind is very high it is better to have the house a trifle hot than to throw the ventilators wide open and let draughts of cold air fall on the plants. All days, however, when the outside temperature is 40° or over, abundant ventilation should be given so that the plants do not get into that condition sometimes seen where a bright sunny day will cause the plants to wilt and hang their heads from the rapid absorption of water.

A careful attention to these details will bring flowers up to their fullest development and make them worthy a place on the exhibition table and put them with the extra select on the market, a grade that knows no gluts nor ruinous prices.

ALBERT M. HERR.

CARNATION GOVERNOR WOLCOTT.

Owing to numerous inquiries regarding the Gov. Wolcott carnation, I think it only fair and my duty toward the trade in general to answer those questions through the trade papers, so that all desirous of purchasing stock may know the true character of this variety.

Gov. Wolcott is a white seedling of 1899, from Flora Hill and Lawson, producing blooms of fine form and substance, with a uniform average of three inches in diameter, on long, stiff, wiry stems, two to three feet in length. The habit of the plant is almost ideal, healthy and vigorous, and like the Lawson, its pollen parent, it keeps throwing a succession of new shoots from its base.

Its season of blooming is later than Flora Hill and much earlier than White Cloud or Lorna, coming into bloom early in November and continuing to give a succession of grand, attractive flowers all through the season. It is a productive, fancy commercial white, a splendid keeper and shipper. A vase of 100 blooms was certificated by the Massachusetts Horticultural Society at the November exhibition.

But like most carnations it has its faults. It splits some during the short dark days of winter, but in very small proportion. It is a month late in coming into bloom to make an all-season variety, but is worthy of a fair trial by all. PETER FISHER.

CHARITON, IA.—I. C. Hon, manager of the Creston Greenhouses, has opened a cut flower store here, with Miss Mildred Kunath in charge. Trade starts off briskly.

Pennsylvania Horticultural Society.

At the January meeting at Horticultural Hall, Philadelphia, the report of the committee on establishing premiums was read and adopted. The committee still maintains the same conservative policy, as few alterations have been made from the old schedule. Additional special prizes and renewals of former ones, however, add much interest for the intending exhibitor and form an important part of the prize list. A recommendation from the executive council that the office of biologist be created was adopted and Dr. Ida M. Keller was elected to the position, Prof. Stewardson Brown being elected as professor of botany. The report of the treasurer, Sidney W Keith, gave the receipts for the year as $2594 55. The roll of the society shows 601 annual and 242 life members. A set of resolutions was also adopted by the society lamenting the death of the late Thomas Meehan and the loss sustained by science and horticulture.

The exhibits of the evening were numerous, the prize list bringing out strong competition. Other exhibits included the new mignonette, Marvelous, from H. F. Michell, with stems about two feet long, the spikes at least one foot long and nearly two inches in diameter. It was pronounced the best ever shown before the society and was awarded the silver medal. Carnations from George Robertson in fifteen varieties, one vase of each of the best standard sorts, were also declared to be the best ever shown by a private gardener and were awarded a cultural certificate. Greenhouse vegetables and mushrooms from John McCleary received honorable mention.

The Samuel T. Bodine prizes for the best plant of flowering begonia went to Ernest Schreiber, gardener to Wm. L. Elkins, Ogontz, and John Thatcher, gardener to Edward Le Boutellier, Wynnewood, both showing splendid specimens of Gloire de Lorraine.

The premium for the best pair of Primula Sinensis went to John Thatcher, with Wm. Robertson second.

The Henry F. Michell prize for best fifty single and fifty double violets went to Geo. Robertson, with Robert Forrest second.

Special mention was given to Wm. Fowler, gardener to Mrs. Chas. Wheeler, Bryn Mawr, for specimen cyclamen, to Robert Forrest for Bride and Bridesmaid roses, to Francis Canning for two plants of Peristrophe (Justicia) speciosa, to Ernest Schreiber for Begonia Sandersonii and dwarf double form of Begonia Vernon.

FRANCIS CANNING.

With Indiana Growers.

James Hartshorne, of the Chicago Carnation Co., paid a visit to Indianapolis recently and, being especially interested in carnations, made a tour of all the establishments making the divine flower a special feature. Baur & Smith, Bertermann Bros., M. Braendlein, E. A. Nelson, and H. W. Rieman were visited and then Mr. Hartshorne went to Richmond, accompanied by H. W. Rieman, H. Junge and Mr. and Mrs. John Bertermann, of Indianapolis. E. G. Hill's place was found looking even better than usual. The two large iron-frame houses recently added are certainly the right thing for cut flowers, as the stock growing in them proves.

Of the great variety of stock handled at the Hill establishment, it was roses and carnations that held the interest of the visitors. Among carnations Lorna

and Adonis were easy leaders, closely followed by Gaiety, Mrs. E. A. Nelson and Cressbrook. Roosevelt was the finest crimson. There were also quite a number of Mrs. Lawson that showed up well. Mrs. Lawson, by the way, proves troublesome for some Indiana growers. There are, of course, scores of seedlings.

In roses this place probably has a greater variety than any other establishment in the United States. Among those most interesting to the visitors were Liberty and White Lady. The results obtained with Liberty show that this rose is all right if properly handled. The plants had none of that semi dormant appearance that so many florists complain of at this time of the year. White Lady is certainly a very beautiful rose, one which would sell, and it seems to be a fairly free bloomer.

While Mr. Hartshorne remained in Richmond to see the much talked of carnations at the Grave place, the Indianapolis wing of the party proceeded to New Castle. There they visited the ranges of the South Park Floral Co., Benthey & Co., and Reinberg & Weiland. Of all three establishments it may be said that they are something to be proud of, and that New Castle justly earns its reputation as a rose town.

The South Park people are the only ones who have the advantage of having natural gas for part of their boilers. Their stock consists mainly of American Beauty, but they also have quite a number of houses devoted to tea roses. One house, set aside for experiments, contains a collection of novelties. Among these is a yellow tea rose of French origin which shows all of the characteristics of a first-class forcing variety. This rose, the Messrs. Heller think, will eventually take the place of Perle des Jardins, and probably restore yellow roses to their former popularity. The South Park Company, for the first time, this year are making rose cuttings for sale, and judging by the appearance of their propagating benches, they will make as much of a success of this branch of the business as they have in the cut flower line.

At Benthey & Company's place the heating apparatus soon won the attention of the visitors from the splendid rose stock. This feature of the establishment is certainly up to date in every detail, and even John Bertermann, who is considered an expert in this line, was able to add to his store of knowledge.

Reinberg & Weiland's is the only one of the three places that devotes a part of the glass to carnations. Of these, as well as of roses, all the standard varieties are grown, and the harvest of flowers was heavy at the time we were there.

Another party of Indianapolis florists had planned making this same trip January 26, but the journey was postponed on account of the severe cold wave.

Indianapolis Hotels.

The following are the hotels which the Indianapolis reception committee recommends to those who will attend the approaching convention of the American Carnation Society:

EUROPEAN PLAN.

Lorraine, single, per day	$ .75 to $1.00
" double, per day	1.00 to 1.50
Oneida, per day	.50 to 1.00
Lorette, per day	.50 to 1.00
Denison, per day	1.00 to 3.00

AMERICAN PLAN.

Spencer, per day	$2.00
Circle Park, per day	1.50
Lorette, per day	1.50
English, per day	$2.00 to 2.50
Denison, per day	2.00 to 5.00
Grand, per day	2.00 to 4.00

New York.

TRADE NOT SATISFACTORY. — BUSINESS BELOW THE AVERAGE FOR THE SEASON. ROSES IN OVER SUPPLY AND FANCY CARNATIONS GOING CHEAPLY — VIOLETS STILL IN THE DUMPS.—A VARIETY OF LOCAL NEWS NOTES OF VARYING INTEREST.

The general comment on business this week is rather despondent and it appears to be the opinion of all good judges that trade is much lighter than it should be to maintain its proper average as compared with past seasons. Roses have multiplied, notwithstanding a spell of very wintry weather. All classes are moving slowly except Brides, and of these there are enough for all needs. Carnations lag disappointingly and it is no longer possible to get anything approaching fancy prices for fancy material. In bulbous stock the increase in cut is considerable excepting on Roman hyacinths, which are rapidly shortening up. Freesias are abundant and Von Sion narcissi are also plentiful but of inferior quality as yet. Violets remain as before reported, excellent in quality and unprecedentedly low in price. Of orchids there is an abundance. Cattleyas are very fine as a rule but prices have taken a drop. Sweet peas of the Blanche Ferry variety are being received in fair quantity from a number of growers. Lilacs are also to be had in any reasonable quantity. Altogether the stock in the wholesalers' hands is as good and as varied as anyone could wish and it ought to have a better sale.

The cut flower market will be removed on April 18 from the old location on East Thirty-fourth street to the corner of Sixth avenue and Twenty-sixth street, where it will occupy the entire floor above that occupied by the New York Cut Flower Company.

Dr. Britton urges, in his report on the year's work in the New York Botanical Garden, that a special exploration fund be established. A collection of 8,000 fossil plants has been received from Columbia University.

It now appears that Charlie See, bookkeeper at Siebrecht's, was more seriously hurt in the tunnel disaster than was at first supposed, his spine being injured and two ribs broken.

It is expected that in less than three years the Palisades Park commission will have completed the work of laying a fifteen mile driveway. Chas. W. Leavett, Jr., has charge.

Thos. Young, Sr., who has been in rather feeble health all winter, suffered a stroke of paralysis on Tuesday, January 28. He is 84 years of age.

Miss Emma Henderson, daughter of Alfred Henderson, was married on Wednesday evening, January 29, to Walter B. Cowperthwaite.

John Nichols had one of his show windows on Forty-second street broken by the great explosion in Park avenue last Monday.

The annual ball of the employes of A. Le Moult will be held at Arlington Hall on Friday evening, February 14.

Theodore Lang, captain of the bowling team, is receiving congratulations on the birth of a daughter January 30.

George Tragidis has sold out his store at Ninety-third street and Columbus avenue to Commanderos & Co.

Thos. H. Browning, who has been in business many years on Hudson street, died of dropsy on January 23.

Frank Traendly is receiving congratulations on the birth of a daughter last Sunday.

Charles Hafner, father of Lawrence Hafner, died January 24, aged 88 years.

A. S. Burns, Jr., was married at Woodside on Wednesday, January 29.

Mrs. H. A. Bunyard is ill with appendicitis.

Visitors: S. S. Pennock, Philadelphia; Mr. and Mrs. Fillow, Westport, Conn.; Carl Jurgens, Jr., Newport.

Boston.

NOTICEABLE IMPROVEMENT IN THE TREND OF TRADE.—VIOLET GROWERS THE ONLY SUFFERERS. — ROSES GRADE HIGH. — AUTUMN LINGERS IN THE LAP OF SPRING. —A LECTURE ON INSECTS.—VARIETY OF LOCAL TRADE AND PERSONAL JOTTINGS.

A general improvement is noted in the tone of the cut flower market. Growers and wholesalers all express satisfaction with the situation and if it should continue as it is now until Lent comes in there will be no reasonable cause for complaint on the part of anyone except the violet people, who have been getting the worst end of it right along. The only trouble with the roses coming in at the present time is that they are too uniformly high grade. The medium quality, the kind at from $4 to $6 that constitutes the most acceptable stock of the medium florist, is not to be found in its usual proportions, the percentage of fancy blooms being larger this year than heretofore. Carnations do not bring the figures of last year, but last year was an exceptional one in this respect and the carnation man is undoubtedly receiving his fair share of the dividends. Bulbous material continues to improve as the season advances. Daffodils and tulips will be good from now on. Freesias are beginning to supplant the Roman hyacinths and are exceedingly good this year. An occasional bunch of English primroses is seen in the windows and they are very suggestive of spring. Autumn has not quite left us, however, as chrysanthemums still linger; George Cartwright is cutting several dozen flowers a day of the latter, Merry Christmas and Maud Dean principally.

Dr. L. O. Howard, of Washington, has been delivering a course of lectures before the Lowell Institute. The fifth in the series, on Monday night of last week, treated of "Insects of the Garden and Greenhouse," and it was illustrated by many beautiful lantern slides. The elm leaf beetle, tussock moth, oak borer, gypsy moth and brown-tail moth were described at length and methods suggested for their control.

Patrick O'Mara, of New York, was in town on Saturday. He delivered an address before the Massachusetts Horticultural Society on "The Business End of Horticulture."

W. R. Shelmire, who has been located in South Sudbury, Mass., for some time, has gone to Atlanta, Ga., to take charge of the establishment of the Westview Floral Co.

The Horticultural Club had as one of its guests at the January meeting, J. W. Thompson, superintendent of parks of Watertown, N. Y.

C. B. Weathered was in town in the early part of this week. Other visitors were P. R. Quinlan, Syracuse, and L. B. Craw, New York.

J. A. Pettigrew fell on the ice while curling last Saturday, but luckily escaped with nothing worse than a severe bruising.

Von Sion narcissi in 8-inch pans are

being brought in now in good shape by several growers.

Wm. Love, an old-time rose grower of Dorchester, died on January 15, aged 72 years.

Chicago.

COLD WEATHER AND A QUIET MARKET.—BRISK SHIPPING DEMAND THE ONLY FEATURE.—IMPOSSIBLE TO FILL ALL ORDERS ON ROSES.—PLENTY OF CARNATIONS IN GENERAL.—VIOLETS STILL LAG.—HORTICULTURAL SOCIETY ELECTS OFFICERS.—VARIOUS NOTES OF LOCAL INTEREST.

This has been a rather quiet week around the market, although there has been a fair amount of certain kinds of business. One of the causes for the deserted condition of the cut flower neighborhood has been the pronounced shortage of roses, but the weather has been the greatest factor in keeping buyers away. It has been so cold that little has been doing with the retailers, outside the ordinary run of small decorations and funeral work. Shipping trade has been active and has consumed all the roses available, at values considerably above the usual for the season. Most of the roses grade well, for the dark weather has had little effect as yet on qualities, although it has made itself felt as a factor in reducing the cuts. One grower says that his average on Bride and Bridesmaid roses last week was a fraction of a cent ahead of his average for Christmas week, but Meteors, Golden Gate, Perle and the one or two specialities in the market, have not shared fully in this advance. A brisk demand continues for Beauties, and the not heavy average receipts are promptly cleaned up. Carnations seem to be in crop with most of the big growers and there are adequate quantities in most lines, although some houses report a call for funeral flowers which exceeds the supply of whites. There has ceased to be complaint that carnations do not keep. Violets are still going slow. Bulbous stock is becoming very plentiful, including Harrisii and calla lilies. Tulips are finding a fair market, most of them being used for centerpieces for small dinner parties. There are good supplies of smilax and asparagus, but adiantum is scarce.

We understand that the energetic president of the Chicago Florists' Club, E. F. Winterson, is negotiating for special railroad accommodations for the Chicago and northern and western craftsmen who will attend the Indianapolis carnation meeting and, as the round trip rate from Chicago will be only $6.70, he expects to fill several sleepers, as well as to take the crowd that never sleeps. N. B.—We have it on special authority that the Indians will not be allowed in the sleepers with the white folks, but will be confined in the buffet car till liberated in Indianapolis. The buffet car will run clear through, and will not close at midnight. The sleepers will be left at Indianapolis and those afflicted with that tired feeling can get up later. Return trains leave Indianapolis at 11 p. m., with sleeper open at 9 p. m., so that those who are pressed for time can leave Chicago in the evening of the 18th and be back before business hours on the 20th, thus seeing the show and losing only one day.

At the meeting of the Horticultural Society of Chicago, January 25, the executive committee was instructed to arrange for the annual fall exhibition. Wm. A. Peterson, George Baldwin and E. F. Winterson were elected members. The officers for the ensuing year are as follows: Wm. H. Chadwick, president; Harry G. Selfridge, first vice-president; Edward G. Uihlein, second vice-president; Ernst Weinhoeber, third vice-president; Willis N. Rudd, secretary and treasurer; Edwin A. Kanst, assistant secretary; S. W. Allerton, Ebenezer Buckingham, John J. Glessner, H. N. Higinbotham, Charles N. Hutchinson, Frank O. Lowden, John J. Mitchell, Martin A. Ryerson, Harry G. Selfridge, Wm. E. Kelley, directors; O. P. Bassett, J. C. Vaughan, Edgar Sanders, W. C. Egan, G. L. Grant, P. J. Hauswirth, E. A. Kanst, Wm. A. Peterson, executive committee.

George Reinberg says that the rooted cutting business, although somewhat later this season than usual, promises to be the best on record. Last year the unfavorable growing season enabled him to move more field grown carnation plants in the fall than the total of a heavy cutting business, but he hardly expects equal good fortune this season. Among the novelties to be tried on the Reinberg place next fall will be the Helen Gould-Balduin and the White Golden Gate roses. In addition, all the season's carnation offerings will have a showing here.

Mardi Gras in New Orleans comes February 10 and 11, and the local wholesalers are wondering what they are going to do about it. New Orleans has been short on home-grown stock this season and has been a larger buyer here than in previous years. With the present short crop of roses there will not be much chance to do big business in the south within the next two weeks.

Adam Schillo, the venerable and wealthy lumberman who has supplied millions of feet of lumber and thousands upon thousands of posts for greenhouses in the vicinity of Chicago, died January 26, aged 65 years. The business has been largely in the hands of his sons and will continue uninterruptedly.

It is reported that the takirs have had notice to vacate the streets, the council having passed the ordinance prohibiting stands outside of three feet from the building line. Now the retailers will have a chance to show how their theories will work in practice.

The Kennicott Brothers Company say that never in the history of this market have they known the rose crops to fall off so remarkably, but all their growers report good crops in sight with a few warm, bright days.

It is reported that Welter & Thill, at Evanston, have dissolved partnership, N. K. Welter continuing the business there and Wm. Thill going to the vicinity of St. Louis to start a range of carnation houses.

Admiral Schley's visit to the city added something to the business of the retailers early in the week. Phil. Hauswirth and Walter Kreitling each got some very good orders on the Admiral's account.

John C. Ure, who has been on the sick list since Christmas, was able to be out again January 23. He is much improved in health, though not yet fully recovered.

Frank Garland is again confined to his home by illness and Mrs. Chas. Stewart, of his down-town salesroom, is also ill.

Visitors: John A. Evans, Richmond, Ind.; Walter Bertermann, Indianapolis; J. D. Eisele, Riverton, N. J.

Philadelphia.

TRADE SLACKS OFF A BIT BUT PRICES ARE WELL MAINTAINED.—NEED OF A GOOD WHITE CARNATION.—ANDERSON SURE OF HIS LILIES.—DEATHS OF THOSE RELATED TO THE TRADE.

Somebody threw the brakes on about the beginning of last week and as a consequence things have been a little draggy although there seems to be no difficulty in moving good stock and there is very little change in prices. Teas are still $12 to $15 per hundred for the specials, while Beauties of the same class command $7 to $8 per dozen. Carnations are in fair demand at from $1.50 to $4 per hundred. Joost is the leading pink. This variety is a successor to that grand old variety, Scott, which in its turn succeeded Grace Wilder, but must now take a back seat and give way to its superior rival. A good, all-around white is wanted. Hill is the best we now have but the stem is too weak for the standard that is now being set up. White Cloud has the stem but it seems too high class for quick everyday selling and looks as if it is destined to stay among the fancies. Isaac Passmore is sending in a fine large white which, if it blooms at all freely, will be likely to cut a figure for a year or two. It is a large, perfect flower, pure white and very fragrant. Bulbous stock is now quite plentiful and in fairly good demand at from $2 per hundred for Romans to $4 for the best lily of the valley. Narcissi and tulips sell for $3. Violets sell for $1 per hundred for the best double and from 25 cents to 50 cents for singles. Good greens are, it seems, always in demand and considering that the retail men rarely get anything for them the prices keep up very well. Perhaps it would be a good idea for the growers to add a few extra roses and carnations to the hundred to make up this sacrifice of the final distributors of their products.

George Anderson wears a serene smile these days which brightens considerably when the lily question is broached. This is born of a confidence that has come with years of success in forcing this great Easter flower. His opinion is that nine-tenths of the various failures are on account of negligence or lack of knowledge on the part of the grower. As to proving this a fact he is not prepared to commit himself and rests with showing his plants, which are grown from the seedsmen's ordinary stock and are generally found to be free from any of the various ills which seem to befall so many growers.

We regret to record the death of James Atkinson, of Edgewater Park, N. J., which occurred January 21. Deceased was an old-time chrysanthemum grower and was quite a factor in this market some ten or twelve years ago. This was when the flowers were sold tied in bunches at a quarter a bunch and many a wagon load he disposed of in their season. Deceased was of a jolly disposition and was well liked by the trade.

John B. Harris, an elder brother of W. K. Harris, died last Monday, of pneumonia. While the deceased had made his home with his brother for a number of years, he was not generally known to the trade, being an invalid and not being able to take an active part in the business. W. K. Harris is improving slowly and is now able to be about the house. He hopes to be out before long. K.

BARRIE, ONT.—F. B. Browne is planning the erection of a range of houses 60x120, using four structures on the Dietsch short-roof patent, each fifteen feet wide.

PROVIDENCE, R. I.—A movement is on foot among progressive members of the Rhode Island Horticultural Society to erect a building which shall serve for all the offices and exhibitions of the society and yield an income sufficient for its maintenance.

THE AMERICAN FLORIST

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AMERICAN FLORIST CO., Chicago.

GERBERA JAMESONI, grown indoors like carnations, will bloom through fall, winter and spring.

THE date at which your subscription expires is shown on the address label on your paper. Our aim is to merit prompt renewal.

COLEUS THYRSOIDEUS, says J. D. Eisele, should be given practically the same treatment as Begonia Gloire de Lorraine to be grown successfully. This plant should not be fumigated when in bloom as the flowers drop from the stems under that operation.

IN wintering chrysanthemums in the open, certain French growers strongly advise leaving the old flowering branches upon the plants, claiming that a much larger number of the plants are saved under this treatment than when the plants are cut down in the fall.

THERE is prospect of war in the camp of the glass makers. One of the factions is said to have grown weary of the policy of the American Window Glass Company of holding the umbrella over the outside concerns and promises to take away the profits if they do not come into the fold.

THE communications of "Penna" and Toronto "East Ender" are unfortunately consigned to the waste-basket for lack of full names and addresses. To insure attention, the full name and address of the writer, not necessarily for publication, should accompany every communication sent to this office.

Houses for Asparagus.

ED. AM. FLORIST:—I have a piece of ground 105x125 which I intend to cover with glass the coming spring, to be entirely devoted to Asparagus plumosus nanus. I should like to be advised through your valuable paper as to the best style of houses for this purpose, also the best method of preparing the beds.

A. F. A.

American Carnation Society.

DEPARTMENT OF REGISTRATION.

B. Eldridge, Belvidere, Ill., registers The Eldridge B, a variegated variety; first or back petals are almost yellow, the tips of the same being blended or marked with carmine and the outer petals all distinctly marked with carmine blended with yellow and salmon mixed. It grows a long stiff stem with but little grass.

The Harms' Park Floral Co, Chicago, Ill., registers Millie Gillman, with no description. ALBERT M. HERR, Sec'y.

It Pays Best.

ED. AM. FLORIST:—My advertisement in your paper is paying better than any other paper and better than it ever did before. J. N. PRITCHARD.

Elk Park, N. C.

Greenhouse Building.

Corfu, N. Y.—Wm. Scott, six rose houses.

Mansfield, O.—Berno Floral Co., house 18x140.

Cincinnati, O.—Max Rudolph, one house.

Utica, N. Y.—Peter Crowe, nine houses 20x150.

Maywood, Ill.—A. F. Amling, range of 14 000 feet.

West Mentor, O.—Carl Hagenburger, range of carnation houses.

Brighton, Mich.—J. J. Van Leuven, three houses 27x100.

A Preservative of Pipe.

ED. AM. FLORIST:—I am putting in a new hot water heater and the coils will have to go under the benches in a house where there is considerable drip. Is there something with which I can paint the pipes, to keep them from rusting, which will not injure the plants? M. A. M.

A good coat of asphaltum will, if the pipes are now free from rust, last for a long time. It will be much more durable than linseed oil and lamp black, which is for ordinary purposes preferred, as affording a more effective radiating surface than the glossy coating of asphaltum.

L. R. TAFT.

Canna Mrs. Kate Gray.

ED. AM. FLORIST:—I see in my old friend, the AMERICAN FLORIST, of January 11, a note copied from the English *Gardeners' Chronicle* concerning the Canna Mrs. Kate Gray. I hybridized and grew that variety myself, and if any man knows the origin of that variety, I should know it. The cross is Italia, seed bearing parent, with pollen from Madame Crozy. My diary stands thus: "Mr. Hattell and myself tried Italia and Austria; total failure. After three months' constant attemps twice a day, attempts on Austria abandoned. Italia showed several attempts to produce seed but pods all abortive. Constant work as before exclusively on Italia, pod swelling with enough flower to attract the sap; seed sure." Now about this time that little green pod was the idol of the time. Day after day it was worshipped and in my pilgrimages a large cat accompanied me. Now, pussy knew nothing about the seed pod, and a humming bird was busy on the flower spike, puss sprang, bird caught, spike broken, hope gone, but as a last resort the one green seed was planted. Six days after it was through the ground and Mrs. Kate Gray canna was a reality. W. H. MORSE.

Forcing Hydrangeas and Roses.

ED. AM. FLORIST:—When should hardy perpetual roses and hydrangeas be started to bloom for Decoration day and what temperature should be maintained? The hydrangeas are not H paniculata grandiflora, but tender ones.

M. H. W.

Hybrid perpetual roses do not need much forcing in order to bring them in flower by Decoration day and one of the most essential points in the operation is to start them gradually, so that the roots are given an opportunity to move along in harmony with the top growth. A period of ten to twelve weeks is sufficient at that season of the year to produce a good crop of flowers, the plants being started in a night temperature of 45° to 48°, syringed frequently, and the heat gradually increased to 55° to 58°, with plenty of ventilation in bright weather. Hydrangea Otaksa for Decoration day will not require a higher night temperature than 50° to 55° to bring them in on time if placed in heat early in February. The hydrangeas will also need thorough syringing every bright day until the flower heads show color, and also abundant watering, these plants being very thirsty subjects.

W. H. TAPLIN.

Injured Violet Foliage.

ED. AM. FLORIST:—What can the matter be with my violets? The plants were healthy when housed and started away nicely but now the foliage is dying around the edges of each leaf. The margin grows brown and sere and the leaf finally dies. Can it be the tobacco smoke? They seem worse near the sides of the house and I suspect the smoke is stronger there, as it rolls down the glass after rising to the top of the house.

A. S. C.

The violet leaves sent in by "A. S. C." may have been injured by tobacco smoke; violet foliage is very sensitive to tobacco smoke and is often injured by it. Sometimes when the injury is not sufficient to cause the actual death of the leaf, it weakens the leaf so that the fungus causing spot develops with great rapidity and an epidemic of this disease may result. Over-feeding is another cause of the death of the margins of the leaves. The violet is not a rank feeder and must be treated accordingly. I would suggest that the correspondent write the United States Department of Agriculture requesting circular on fumigation of violets with hydrocyanic acid. ALBERT F. WOODS.

Trouble With Ficus.

ED. AM. FLORIST:—I enclose a leaf of a ficus plant which is giving me trouble because it is dying on the hands of one of my customers. The plant was grown out of doors all summer and is about thirty-six inches high. I sold it about two months ago. Since then it has stood on the floor in a parlor, east front, with a Boston fern and a kentia. There is light and air. Gas is burned on the table but not in the chandeliers. The leaves of the rubber are turning yellow and dying, but I do not think it rust or black spot. The soil is sweet and seems all right. Is it possible the plant is kept too wet or too dry? T. H. U. S.

The leaves of Ficus elastica which accompanied the query from "T. H. U. S." have been carefully examined, but no leaf spot fungi were found and the death of the leaf, therefore, must have been caused by some condition of growth. Ficus elastica will not stand over-feeding, and it is possible that the soil in which the plant affected is growing may have been made a little too rich. In winter rubber plants require a comparatively small amount of water. The main cause of yellowing and dropping of the leaves is over-watering during the period of slow growth in cold weather. Rubber plants growing in small pots, especially if in a dwelling room, will take an abundance of water in the summer time, and the same is true of plants set out of

doors, but during the winter the greatest caution is necessary. It is not likely that gas has caused any trouble.

ALBERT F. WOODS.

Diseased Roses.

ED. AM. FLORIST:—Please tell me what the trouble is with my roses, samples of roots, soil, etc., being sent herewith. The roots are knotty and reddish brown in color, and the leaves are dropping while the stem and foliage appear healthy. The plants have not done well at any time this winter. At the start I had considerable trouble with grub worms, which ate the plants almost off on the roots. At present I can see no trouble in the soil, no worms being found by close examination. The plants look healthy, but still the disease shows all over them. Please tell me what the trouble is and how to combat it. A. SUBSCRIBER.

The samples were useless, but judging from the description of the condition of the roots it would appear that they have eel worm, though the foliage does not generally remain of a healthy green color when the roots are affected by eel worm, at least if badly troubled with the pest. There is one part of the subscriber's communication which I fail to understand; it is this: "The plants look healthy but still the disease shows all over them." How plants can look healthy and yet show disease all over them is something new to me, for I have never seen a diseased plant yet that looked healthy. I would suggest that lime water be tried, one peck of fresh lime to about fifty gallons of water. Let the soil be a little on the dry side before applying, then give it a good soaking with the lime water and repeat it every two weeks. Keep the night temperature down to 55° or 56°, give all the air reasonable during the day, syringing overhead on bright days, and if they are not too badly affected with eel worm the above treatment will materially help them.

JOHN N. MAY.

Building and Piping a Rose House.

ED. AM. FLORIST:—I propose to build a rose house 165 feet long, heating it by steam from a fifty horse-power tubular boiler, below the level of the greenhouses, which also heats the rest of my range. What is the best style of house for the purpose, width, height of walls, pitch of roof and length of each span? How should the benches be arranged? Ventilation can be had on the south side if desirable. How much radiation will be required to maintain a temperature of 60° when the outside temperature is 25° below zero, as it is once in a great while? Should the main flow pipe be overhead, and how large? Are a number of 1-inch pipes better for radiation than the same number of square feet in larger pipes? Will check valves on the returns be of any advantage? What is the best and cheapest material for greenhouse purposes in Iowa? A. L. W.

While various forms and widths of houses will answer for growing roses, the three-quarter span with the long slope to the south, and a width of about twenty-five feet seems to be a favorite at the present time. These houses have the south wall about five and one-half feet high, the north wall seven and one-half feet, and the ridge has a height of fifteen feet. Two feet of glass in the south wall is desirable. Where second-hand 2-inch pipe can be secured, it makes cheap posts, and when used with iron gutters will make the walls quite durable. A good grade of cypress should be used for the remainder of the house. The sash bars on the south side should be eighteen feet, and on the north side eleven and one-half feet in length. A house of this width will answer for four benches four feet wide, with five walks from eighteen to twenty-four inches in width. For a house of this length it will be best to use 1¼-inch pipes, and to maintain a temperature of 60° in the coldest weather sixteen will be desirable, of which at least one-half should be valved so that they can be cut off in mild weather. It will be well to have four pipes on each wall and two under each bench. The house will contain nearly 1,200 square feet of radiating surface and will need a 3-inch feed and a 2-inch return pipe. If the boiler is sufficiently low to give a free return of the drip water it will be better not to use an overhead flow-pipe, connecting at once to the coils. Check valves are not needed on the returns, but there should be a good gate valve on the main flow and another on the main return. L. R. TAFT.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (six words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1902 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—As grower of carnations or assistant rose grower. Good references. Address Box 417, Eaton, O.

SITUATION WANTED—By practical florist, thoroughly experienced in general greenhouse work. First-class propagator. Address D D, care American Florist.

SITUATION WANTED—By all-around man to take charge—private place preferred; 20 years' experience in cut flowers and plants. Address R, care American Florist, Chicago.

SITUATION WANTED—By March 1st, by an all-around man, capable of taking charge; 15 years' experience; expert grower of carnations and violets. Good references. Address G R, care American Florist.

SITUATION WANTED—As foreman by a practical grower of roses, carnations, chrysanthemums and other stock; 26 years' experience. Capable of managing a large place. References O. K. FLORIST, 129 N. Clark St., Chicago.

SITUATION WANTED—Young man, 25, experience 10 years, desires commercial place. Good all-around grower, specially experienced in ferns. Best references furnished. Address GROWER, Vaughan's Seed Store, 14 Barclay St., N. Y.

SITUATION WANTED—Before or after the first of March, by a sober, industrious, single man, as assistant in a small commercial place where there is a chance to learn decorating and design work. Have had several years' experience in cut flowers and pot culture branches. Address WM. HERRMANN, Box 162, Kenilworth, Ill.

SITUATION WANTED—As foreman and propagator in commercial place to take full charge. 20 years' experience in European and American nurseries; first-class grower of roses, carnations, chrysanthemums, violets, palms and decorative plants; also forcing of bulbs and flowering plants. Only first-class position wanted. W H, care American Florist.

WANTED AT ONCE—Good all-around greenhouse man. C. H. FREY, 1133 O St., Lincoln, Neb.

WANTED—Young man for general greenhouse work. State wages wanted with board. COLE BROTHERS, Peoria, Ill.

WANTED—Man for general greenhouse work, two helpers for rose sections. J. F. WILCOX, Council Bluffs, Iowa.

WANTED—Young man to learn the greenhouse business of growing roses and carnations. Apply to JOHN L. WYLAND, De Haven, Pa.

WANTED—50 to 100 second-hand cold frames in good condition. Give size, condition and lowest cash price. Address HAMILTON & PLUMMER, Kewanee, Ill.

WANTED—An all-around reliable florist; must grow roses and carnations. Single German preferred. State wages, with board. References. Apply to OTTO BAUMANN, Florist, Manistee, Mich.

WANTED—Single man, one accustomed to bedding and propagating on a large commercial establishment; one who is willing to learn and advance himself. $25.00 per month and board. Address H, care American Florist.

WANTED—An all-around, experienced gardener and florist, for private place. Must be willing to work; of good habits. Single man preferred. References required. Address A. C. LORING, 1013 Guaranty Loan Bldg., Minneapolis, Minn.

WANTED—Agreeable partner with $3,000 to $10,000 or more. Wish to enlarge my plant (a well established trade). If you have the price, write and give full particulars, and I will tell you the rest. Address HUSTLER, care American Florist, Chicago.

WANTED—An A No. 1 man of unquestioned character and ability, for position in retail store; must be a first-class salesman and strictly up-to-date in decorating and designing. Address with references, RETAILER, care American Florist, Chicago.

FOR SALE—5000 feet second hand boiler tubes suitable for heating pipes in greenhouses. KROESCHELL BROS. CO., 45 Erie St., Chicago.

FOR SALE OR RENT—Greenhouses, 4000 sq. feet of glass, ground and dwelling. Good market on electric cars and railroad. Easy terms. Address M T, care American Florist.

FOR SALE—Well established florist business, 12,000 feet of glass, well stocked, steam heat, several acres of ground; no competition; about 100 miles from Chicago. Address INDIANA, care American Florist.

FOR SALE—17,000 feet of glass, nearly new, splendid carnation and rose soil, 15 acres, house and barn, near city of 80,000, 28 miles from Philadelphia. Inquire of LEO. NIESSEN, 13th and Filbert Sts., Phila.

FOR SALE—A bargain. Fine greenhouse property at Atglen, Pa., 47 miles from Philadelphia on main line of Penna. R. R., containing about 8 acres; fine 12-room double dwelling, barn and 6 greenhouses, well stocked with carnations and violets. Price $6000. Address J. B. R. MCCLURE & CO., 18 South 40th St., Philadelphia, Pa.

$300 Per Month.

Do you want it? If so, buy me out NOW, at your own price. Good reasons. 15,000 feet. It costs you a postal card to have particulars.

C. S. FITZSIMMONS, Lansing, Mich.

BE it known to our patrons and friends that

FICK & FABER

have entirely removed to **San Mateo, Cal.** All communications should be sent to that place.

If you want to get the want you want to get, you want to get your want ad into the

AMERICAN FLORIST

Try it now.

Every advertisement represents a genuine want. It pays to answer them.

Cleveland.

A RIVAL FOR THE LAWSON CARNATION.—WILL BE SEEN AT INDIANAPOLIS.—CLUB HOLDS INTERESTING SESSION.—NOTES HERE AND THERE.

The writer recently took a trip to the establishment of George W. Smith, on Wade Park avenue, to pay his respects to the genial proprietor, and incidently to see the famous seedling carnation which is to supersede the Lawson. He found both in the same house. In my humble opinion I do not think the seedling will knock Lawson out. Yet I think it is the nearest approach to the Lawson type of carnation ever produced in Cleveland. It is a cross between Argyle and a seedling the parentage of which was Hill and Tidal Wave. The color is a very pleasing shade of pink, somewhat darker than Marquis. The flowers are three to three and one-half inches in diameter, borne on erect stems. The foliage is of the Hill type and absolutely free from disease. A more healthy grower or better producer would be hard to find. I understand this is the fourth season for it and no deterioration has been noticed. Mr. Smith intends to exhibit it at the forthcoming show at Indianapolis. He is a hustler and a good grower, as the healthy appearance of all his stock testifies. Extensive improvements to the plant are contemplated for the near future. He grows entirely for his own retail trade.

The Florists' Club held its regular meeting last Monday evening, January 27, which was fairly well attended. George Smith was elected to membership. The subject of carnations and the various methods of culture came up for discussion, also the merits and demerits of some of the old and new kinds. S. N. Pentecost gave his experience on indoor culture during summer. While he could not say positively at this season which method paid the best, he is of the opinion that it does not pay to grow carnations indoors in summer, which opinion seemed to be shared by the majority of those present.

The comparatively low price of glass must have been the incentive to put the building bee in the bonnets of the florists around here. Rumors of building greenhouses this coming spring can be heard from all quarters. Carl Hagenburger, of West Mentor, O., has under consideration plans for the erection of a range to be devoted exclusively to the growing of fancy carnations.

Robt. Kegg is so busy with plans for extensive improvements to our park system that he cannot find time to attend the club meetings. ECHO.

SHARON, PA.—Fred Heinz, son of Chas. Heinz, of North Sharon, is erecting a greenhouse 11x75 and will go into business for himself.

RICE BROTHERS
Wholesale Florists and Supplies.
Receivers and Shippers of Fresh Cut Flowers.
Consignments Solicited.
128 N. Sixth St., Minneapolis, Minn.

...GEO. M. KELLOGG...
Largest Grower of... in the West. Cut Flowers
Give us an order and we will please you.
Our Greenhouses at PLEASANT HILL, MO.
Our Store, 906 Grand Ave., KANSAS CITY, MO.
LONG DISTANCE 'PHONE AT EITHER PLACE.

PRICE LIST.

Roses, Beauty, extra long stems	$6.00
" " 30-inch "	5.00
" " 24 " "	4.00
" " 20 " "	3.00
" " 15 " "	2.00
" " Short "	1.00
" Bride, Bridesmaids	6.00@10.00
" Meteor	6.00@10.00
" Perle	4.00@ 8.00
" Golden Gate	6.00@10.00
Carnations	1.00@ 2.00
" fancy	2.00@ 3.00
Violets, double	1.00
" single	.50@ .75
Lily of the valley	2.00@ 4.00
Adiantum	.75@ 1.25
Common Ferns ..... per 1000, $1.50	.25
Smilax ..... per dozen, $1.25@$2.00	
Asparagus ..per dozen, 7.50@10.00	
Narcissus	2.00@ 3.00
Roman Hyacinths	2.00@ 3.00
Lil. Harrisii	20.00
Callas	12.50@15.00

GALAX LEAVES,
Green or Bronze, 15c per 100; $1.00 per 1000.
LEUCOTHOE SPRAYS,
75c per 100.
WILD SMILAX,
QUALITY COUNTS—No. 1, 15 lbs., $2.50; No. 2, 20 lbs., $3.25; No. 3, 25 lbs., $3.50; No. 4, 35 lbs., $4; No. 5, 40 lbs., $5; No. 6, 50 lbs., $6.
We are the Northern Representatives of CALDWELL THE WOODSMAN CO.
CATTLEYAS, $6.00 per dozen.

J. B. DEAMUD, WHOLESALE CUT FLOWERS 51 Wabash Ave., CHICAGO.

Wholesale Flower Markets

MILWAUKEE, Jan. 30.

Roses, Beauty, long, per doz.	3.00@ 5.00
" " med. "	1.50@ 2.00
" " short "	.50@ 1.00
" Liberty	6.00@10.00
" Bride, Bridesmaid	6.00@ 8.00
" Meteor	6.00@ 8.00
" Golden Gate	6.00@ 8.00
" Perle	5.00@ 8.00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00@ 3.00
Violets	1.00@ 2.00
Romans, Paper Whites	2.00@ 3.00
Lily of the valley	4.00
Adiantum	.75@ 1.00
Smilax	15.00@18.00
Asparagus	65.00
Common ferns	.20

PITTSBURG, Jan 30.

Roses, Beauty, specials	40.00@50.00
" " extras	20.00@35.00
" " No. 1	10.00@15.00
" " No. 2	3.00@ 6.00
" Bride, Bridesmaid	3.00@12.00
" Meteor	6.00@12.00
Carnations, ordinary	1.00@ 2.00
" fancy	3.00@ 5.00
Lily of the valley	2.00@ 4.00
Violets	.20@ 1.00
Harrisii lilies	15.00@20.00
Romans	1.00@ 3.00
Paper Whites	2.00@ 3.00
Tulips	3.00@ 5.00
Smilax	8.00@12.50
Adiantum	1.00@ 1.50
Asparagus	50.00@75.00
" Sprengeri	2.00@ 4.00
Galax, green and bronze per 1000 $1.25	

CINCINNATI, Jan. 30.

Roses, Beauty	25.00@50.00
" Bride	6.00@ 8.00
" Bridesmaid	6.00@ 8.00
" Meteor	6.00@ 8.00
" Perle	4.00@ 6.00
Carnations	2.00@ 5.00
Violets	2.00@ 3.00
Harrisii lilies	15.00
Lily of the valley	4.00@ 5.00
Romans	3.00@ 4.00
Paper Whites	3.00@ 4.00
Asparagus	50.00
Smilax	15.00
Adiantum cuneatum	1.00
Galax leaves	.15
Common ferns	.20

ST. LOUIS, Jan. 30.

Roses, Beauty, short stem	8.00@15.00
" " long stems	20.00@40.00
" Bride, Bridesmaid	6.00@10.00
" Meteor	4.00@ 8.00
" Golden Gate	6.00@10.00
Carnations, ordinary	2.00@ 2.50
" choice	3.00@ 4.00
Violets	.75@ 1.00
Stevia	1.00
Sweet peas	.75@ 1.50
Callas	12.50@15.00
Lily of the valley	3.00@ 4.00
Romans	2.00@ 3.00
Narcissi	2.50@ 3.00
Freesia	1.50@ 2.00
Smilax	12.50@15.00
Asparagus Sprengeri	1.00@ 1.50
" Plumosus	1.00@ 1.50
Galax	.15

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WHOLESALE FLORIST,
1316 Pine Street, ST. LOUIS, MO.
CONSIGNMENTS SOLICITED.

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Wholesale Florist
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1122 PINE STREET,
ST. LOUIS, MO.
A complete line of Wire Designs.

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WHOLESALE FLORISTS.
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416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.
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Special Attention Given to Shipping Orders.

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Cut Flower Exchange,
WM. DILGER, Manager,
WHOLESALE COMMISSION.
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Special attention to shipping orders.
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BOSTON FLOWER MARKET
Effective. Profitable. Address
GEO. CARTWRIGHT, Secretary, 1 Park St., BOSTON.

E. C. Amling

The Largest, Best Equipped and Most Centrally Located Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St. **CHICAGO.**

L. D. Phones 1999 and 1977.

PRICE LIST.

BEAUTIES.		
Stems, 36 inches, per doz.,		$6.00
" 30 " "		5.00
" 24 " "		4.00
" 20 " "		3.00
" 15 " "		2.00
" 12 " "		1.50
" 6 to 8 in. per 100,	$6.00	8.00
Brides..... "	5.00	10.00
Maids..... "	4.00	10.00
Meteors..... "	4.00	8.00
Golden Gate..... "	4.00	10.00
Carnations..... "	1.50	2.00
" large fancies "	3.00	4.00
Mignonette.....per doz.,	.35	.50
Violets, double.....per 100,	.75	1.25
Valley, select..... "	2.00	3.00
Callas.....per doz.,	1.50	2.00
Romans.....per 100,	2.00	3.00
Paper Whites..... "	3.00	4.00
Asparagus plumosus, per string,		50 .60
" Sprengeri, per 100,	3.00	4.00
Ferns, per 1000, $1.50; "		.20
Galax, " 1.00; "		.15
Leucothoe sprays.... "		.75
Adiantum..... "	$1.00	1.50
Smilax.....per doz.,	1.25	1.50

Prices subject to change without notice.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

A. L. RANDALL,

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4 Washington St., CHICAGO.

Send for weekly price list and special quotations on 1000 lots.

E. H. Hunt,

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Cut Flowers

THE "OLD RELIABLE,"

76 Wabash Ave., CHICAGO.

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CHICAGO'S RELIABLE

Wholesale Growers and Shippers of

CUT FLOWERS,

59 Wabash Ave., Chicago.

SEND FOR WEEKLY PRICE LIST.

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76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

Please mention the American Florist when writing

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florists

31-35 Randolph St., CHICAGO.

☞ Consignments solicited.....

FRANK GARLAND,

Wholesale Grower of **Cut Flowers**

SPECIAL ATTENTION GIVEN TO HARDY CUT **FERNS**

55-57 WABASH AVENUE,

Telephone Central 3284. CHICAGO.

Wholesale Flower Markets

CHICAGO, JAN. 31.

Roses, Beauty, 36-inch stems		6.00
" " 30 " "		5.00
" " 24 " "		4.00
" " 20 " "		3.00
" " 15 " "		2.00
" " 12 " "		1.50
6 to 8 " "per 100	6.00@	8.00
Bride, Bridesmaid.....	5.00@	10.00
" Meteor.....	5.00@	8.00
" Perle.....	4.00@	8.00
" Golden Gate.....	5.00@	10.00
Carnations.....	1.50@	4.00
Violets.....	.75@	1.25
Lily of the valley.....	2.00@	3.00
Callas, per doz.....1.50@2.00		
Romans, Paper Whites.....	2.00@	4.00
Adiantum.....	1.00@	1.50
Common ferns.....per 1,000 $1.50		.20
Galax leaves, per 1000.....$1.00		.15
Smilax.....per dozen 1.50@ 2.00		

Lily Of The Valley.

Finest brand for early forcing $1.50 per 100. $12 per 1000, case of 2500, $29.00.

Fancy Cut Valley in Large Quantities.

H. N. BRUNS,

1409-14011 W. Madison Street, CHICAGO. ILL.

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GEO. REINBERG,

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Choice American Beauties.

We will take care of your orders at reasonable prices. Prompt attention.

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PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.

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JOHN MUNO,

Wholesale Grower and Shipper of **Cut Flowers**

Room 221, 51 Wabash Ave., CHICAGO.

TELEPHONE CENTRAL 3598. All telegraph and telephone orders given prompt attention.

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in **Cut Flowers**

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Always mention the American Florist when writing to advertisers.

Choice CATTLEYAS

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Wholesale Florist,
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Telephone 1270 Main.
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"Floral" LETTER, unequalled for design work. Script, any color, 3½c a letter. Block letters, 1½c each. The most elaborate design work to order in a few minutes.

GENERAL AGENTS:
H. BAYERSDORFER & CO., Philadelphia.
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SPECIALTIES THIS WEEK:
Special American Beauty,
CARNATIONS,
Lily of the Valley, Violets.

CITY HALL CUT FLOWER MARKET
WELCH BROS., PROPS.
9 CHAPMAN PLACE,
15 PROVINCE STREET.
Boston, Mass.

The best market for Growers who can ship good Cut Flower stock.

J. K. ALLEN,
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Telephone 167 Madison Sq.

N. F. McCARTHY & CO.
84 Hawley St., BOSTON,
ARE RECEIVING ELEGANT ROSES ALL VARIETIES.
DON'T YOU WANT SOME?
Tel 734 and 64 Main.

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WHOLESALE FLORIST,
32 South 17th Street, PHILADELPHIA, PA.
Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

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404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.

Wholesale Flower Markets

BOSTON, Jan. 29.

Roses, Beauty, extra	35.00@60.00
" " medium	12.00@20.00
" " culls	6.00@ 8.00
" Bride, Bridesmaid, Meteor.	4.00@ 6.00
" extra	8.00@10.00
Carnations	1 50@ 2.00
" fancy	3.00@ 4 00
Lily of the valley	3.00@ 4.00
Violets	.30@ .60
Harrisii lilies	8 00@12.50
Freesia	1.00@ 1.50
Narcissus Paper White	1.00@ 1.50
" Yellow	2.00@ 4.00
Roman hyacinths	.75@ 1.50
Tulips	2 00@ 3 00
Callas	8.00@10.00
Adiantum	.50@ 1.00
Smilax	10.00@12.00

PHILADELPHIA, Jan. 29.

Roses, Tea	5.00@ 8.00
" " extra	10.00@12.00
" Beauty, extra	50.00@65.00
" " firsts	30.00@40.00
" Queen of Edgely, extra	75.00
" " " firsts	25.00
Carnations	1.00@ 4.00
Lily of the valley	4.00@ 5.00
Asparagus	25.00@50.00
Smilax	12.50@15.00

BUFFALO, Jan. 30.

Roses, Beauty	7.00@35.00
" Bride, Bridesmaid, Meteor	6.00@15.00
Carnations	1.50@ 3 50
Violets	.50@ 1.50
Lily of the valley	3.00@ 4.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.50

Give Us a Trial. We Can Please You

Roses, Carnations and all kinds of Seasonable Flowers in stock.
WM. F. KASTING, Wholesale Commission Florist,
481 Washington St., Buffalo, N. Y.
Dealer in Florists' Supplies and Wire Designs.
Open Day and Night.

The New York Cut Flower Company
offers to Growers and Consignors the most satisfactory wholesale market in New York.
DAILY REPORTS. WEEKLY PAYMENTS.
The best line of customers.
A GOOD OPENING NOW for growers of Bride and Bridesmaid Roses of choice quality.
SALESROOMS { 55 & 57 West 26th St., NEW YORK CITY.
TELEPHONES: 2239 Madison Sq. 2034 Madison Sq.
I. A. MILLANG, MANAGER.

Cut Harrisii Lilies.
I am growing the largest batch of lilies in New England. Have over 50,000 Harrisii besides plenty of Japans for Easter. Can supply blooms all the time from now till spring. Can fill orders for any quantity at an hour's notice.
H. N. EATON,
'Phone Connection. SO. SUDBURY, MASS.

EUGENE BERNHEIMER
Wholesale Florist,
Phone 14269 A. 1604 Ludlow St.,
Philadelphia.
CONSIGNMENTS OF ROSES SOLICITED.

YOUNG & NUGENT
42 West 28th Street, NEW YORK.
Telephone 2065 Madison Square
Wholesale Florists.
PRICE LIST TO APPLICANTS.
Are shipping the finest in the New York market
Roses, Carnations, Valley, Orchids, Novelties.

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS, LIBERTIES.
Lily of the Valley.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

GEORGE SALTFORD,
WHOLESALE DEALER AND SPECIALIST IN **VIOLETS**
50 West 29th St., NEW YORK.
Consignments solicited from good growers of VIOLETS.
Shipping orders attended to promptly.
Telephone 2230 Madison Square.

Walter F. Sheridan,
Wholesale Florist,
Telephone 902 Madison Square.
39 West 28th St., NEW YORK.

Telephone Nos. 2239 and 2034 Madison Square.
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Wholesale Commission Florists,
55 and 57 West 26th St., NEW YORK CITY.
Adjoining New York Cut Flower Co. salesroom.
Finest Salesroom in the Trade. Inspection Invited.
All business, selling or shipping, strictly commission.

WHOLESALE **WILLIAM GHORMLEY,** COMMISSION
RECEIVER AND SHIPPER OF FRESH CUT FLOWERS. DAILY STOCK OF ALL THE CHOICEST VARIETIES FROM BEST GROWERS WHO SHIP TO NEW YORK.
ORCHIDS, ROSES, CARNATIONS, VALLEY.
Largest receiver of VIOLETS in America
Telephone 2200 Madison Square, 57 WEST 28th STREET, NEW YORK CITY.

JOHN YOUNG
Special American Beauties,
Surpassing Carnations, Violets,
Lily of the Valley, Orchids,
and all Seasonable Flowers.
51 West 28th St., NEW YORK.
Tel. 1905 Madison Sq.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
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WHOLESALE COMMISSION,
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Cut Flower Exchange, NEW YORK.
Telephone 299 Madison Square.

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JOHN J. PERKINS,
COMMISSION FLORIST,
Solicits Consignments or Shipping Orders. Satisfaction given in both.
Write for Terms. 115 West 30th St., New York.

POPULAR WITH THE TRADE.
Therefore a profitable place to send your Flowers.
M. A. HART'S,
48 West 30th St., New York City.
Telephone 325 Madison Square.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
38 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

New York, Jan. 29

Roses, Beauty, select	40.00@60.00
" " medium	10.00@30.00
" " culls	1.00@ 3.00
" Bridesmaid, Bride, Meteor	2.00@ 6.00
" " " extra	8.00@15.00
" Liberty	2.00@ 5.00
" Liberty special	8.00@20.00
Carnations	1.50@ 2.50
Carnations, specialties	4.00@ 5.00
Violets	.30@ .75
Lily of the valley	1.50@ 2.50
" " special	3.00@ 4.00
Roman hyacinths	.75@ 1.50
Paper White narcissi, Freesia	1.00@ 1.50
Yellow narcissi	2.00@ 3.00
Callas	10.00
Sweet Peas	1.00
Tulips, single	2.00@ 3.00
" double	4.00@ 5.00
Lilac, per bunch	1.00
Harrisii lilies	10.00@15.00
Cattleyas	10.00@40.00
Mignonette	2.00@ 6.00
Smilax	10.00@12.00
Asparagus	25.00@50.00
" Sprengeri, per doz. bun.	2.00@3.00
Adiantum	.75@1.00

CHAS. MILLANG,
50 W. 29th St.,
NEW YORK.

FORD BROS.
Receivers and Shippers of
FRESH FLOWERS.
Best Violets in New York market.
111 WEST 30TH ST., NEW YORK.
Telephone 157 Madison Square.

Julius Lang
53 West 30th Street, NEW YORK.
REPRESENTS THE BEST GROWERS OF
ROSES, CARNATIONS, VALLEY.
TELEPHONE 280 MADISON SQUARE.

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Wholesale Commission Florist,
A full supply daily of the choicest New York and New Jersey
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WHOLESALE Commission FLORISTS
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Also all kinds of Greens for Decorations.
119 West 30th Street, NEW YORK.
Telephone 1438 Madison Square.
Consignments Solicited.

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Wholesale Commission Florist,
BEST FLOWERS SHIPPED AT LOWEST NEW YORK PRICES.
19 Boerum Place, Brooklyn, N. Y.
TELEPHONE 939 MAIN.

Now in Season:
FREESIAS, DAFFODILS, TULIPS, LILAC, SWEET PEAS and ACACIA.
EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Square, ...NEW YORK.
CUT FLOWERS AT WHOLESALE.
All Roses, Violets

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

J. E. NORTHRUP, Pres.; S. F. LEONARD, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

Twentieth annual convention, Twin Cities, Minn., June, 1902.

CANE seed appears to be in brisk demand.

VISITED CHICAGO:—A. T. Boddington, New York; A. J. Brown, Grand Rapids, Mich.; A. Haven, South Haven, Mich.; C. H. Coy, Boston.

STURGEON BAY, WIS.—A deal was closed last week whereby a new seed warehouse 40x100 feet, for the Goodwin, Harries Co., is to be constructed.

IT is reported that a prominent Michigan pea grower has sold to a large seed house in the same state a part of his pea seed stock, the consideration being $20,000 cash.

THE sharp frosts of December cut the growing plants of callas and freesias in southern California, but both are now making good growth and probably are not seriously hurt, though the latter may suffer some. More anxiety is felt at present as to the effects of the drought on these two crops. If the rains do not come within two weeks, the conditions will be serious.

WATERLOO, NEB.—C. H. Coy, of Melrose, Mass., son of E. L. Coy, the originator of the Beauty of Hebron potato, has entered the firm of Chauncey P. Coy & Son, which has purchased a tract of land along the Union Pacific tracks at Valley, two and one-half miles west of Waterloo, upon which a cleaning warehouse and picking rooms for seed corn will be built in spring. C. H. Coy will be particularly identified with this establishment, which is to be conducted entirely separate from the Waterloo business.

Santa Clara, Cal.

Articles of incorporation of J. M. Kimberlin & Company were filed in the office of the county clerk, January 14. The board of directors is composed of J. M. Kimberlin, Katherine E. Kimberlin, Imogene T. Roadhouse, O. B. Kimberlin, May V. Rankin, C. R. Kimberlin, L. M. Kimberlin, H. V. Kimberlin and Mary A. Sanders. The capital stock is fixed at $100,000, all of which has been subscribed. J. M. Kimberlin has subscribed 9,430 shares of the par value of $10 each, and Katherine E. Kimberlin has subscribed 500 shares, the other directors subscribing ten shares each.

Mr. and Mrs. J. M. Kimberlin celebrated their golden wedding January 8. J. M. Kimberlin has had a slight stroke of paralysis.

Seed Peas.

A writer in the *Gardeners' Chronicle* in explaining the short crop of this season says: "Early peas for seed are always grown on light land to preserve their precocity, and it was the light lands which suffered so severely from the drought. To sow early peas in heavy land is to throw the stock back in the point of earliness and also to increase the height of the growth. Early peas rapidly deteriorate in regard to these particulars when grown on retarding land." He further says: "Some new peas show a tendency to improve under cultivation, and perhaps more particularly some of the varieties bearing the name Laxton. Gradus is a case in point, and it is found to be showing improvement as a cropping pea—as a seed merchant said the other day: 'Gradus is working up a constitution of its own.' This might be said of all crosses made by Laxton; the main aim has been to produce dark green pods. Whether rightly or wrongly, superior flavor is associated in the minds of many with a deep green pod; and in order to produce the desired color, probably some amount of breeding in-and-in has had to be resorted to to secure this end, hence some constitutional debility. Green podded peas no doubt have the preference in the estimation of the market dealer. Other peas than Gradus are doubtless going through the same course of improvement by cultivation, while some rapidly fall away and are lost."

Washington.

The Henry Phillips Seed and Implement Company has been awarded two supplementary seed contracts since receiving the original. The last contract awarded is for some 10,000 packages of lawn grass seed, which will be filled at the Toledo, Ohio, warehouses of the company.

A large force is employed on the original contract and the work is going along satisfactorily under the direction of B. T. Galloway, chief of the bureau of plant industry. James Morrison has charge of the distribution and, with several assistants, looks after the interests of the government. About 1,300,000 packages, each containing five kinds of seeds, have already been distributed. Samples of all the seeds are tested at the seed laboratory of the department, which is in charge of A. J. Pieters.

The contractors have been relieved of packing cotton, tobacco, forage crops and grass seeds, which are handled by the department force under the bureau of plant industry and distributed with due regard to the requirements of the different states. A pamphlet giving cultural directions is enclosed with each lot of seeds.

Ten machines have been installed by the Brown Bag-Filling Machine Co., of Fitchburg, Mass. All the machinery is operated by electric motors.

Thos. J. Wade, who has retired from the floral business, is now in the employ of the department, having charge of the seed mailing.

W. T. Phillips is superintending the packing for the contractors. G.

Catalogues Received.

Wm. Elliott & Sons, New York, wholesale and retail seeds; Weeber & Don, New York, seeds and plants; Kroeschell Bros. Co., Chicago, boilers; William Swayne, Kennett Square, Pa., plants; Arthur Cowee, Berlin, N. Y., gladioli; W. S. Nichol, Barrington Center, R. I., carnations; Schlegel & Fottler Co., Boston, Mass., wholesale and retail seeds; T. W. Wood & Sons, Richmond, Va., seeds; Alexander Seed Co., Augusta, Ga., seeds; W. Atlee Burpee & Co., Philadelphia, Pa., seeds; Barteldes & Co., Denver, Colo., seeds; J. M. Thorburn & Co., New York, seeds; The Conard & Jones Co., West Grove, Pa., plants and seeds; R. & J. Farquhar & Co., Boston, Mass., seeds; James Vick's Sons, Rochester, N. Y., seeds; E. Hippard, Youngstown, O., ventilators; E. Smith & Sons, Geneva, N. Y., fruits, trees and shrubs; Henry F. Michell, Philadelphia, Pa., wholesale and retail seeds; Friedr. C. Pomrencke, Altona, Hamburg, Germany, seeds.

PLYMOUTH, PA.—Wm. G. Nelson is building another house 16x132, taking advantage of the decline in the price of glass. He hopes to have the new house completed and ready for stock for spring.

NEW CROP ASTER, SALVIA and MAMMOTH VERBENA.

	Per Trade Pkt.	Per Oz.
ASTER—Queen of the Market, mixed (¼ oz.)	$ .15	$ .50
" " " " white, blue, rose and crimson (¼ oz.)	.20	.60
" Victoria, pink, blue, white and scarlet	.20	1.00
" " mixed	.20	.75
" Semple's Branching, all the separate shades mixed (¼ oz.)	.20	.75
" " " mixed (¼ oz.)	.20	.60
" Comet or Plume, all the separate shades	.20	1.00
" " " mixed	.15	.75
" Imported Pæony-Flowered, all separate shades	.20	1.25
" " " " mixed	.20	1.00
SALVIA SPLENDENS—(Scarlet Sage)	.20	1.00
" " Clara Bedman or Bonfire ⅛ oz. 40c.		2.00
" " Silver Spot ⅛ oz. 50c.		3.00
VERBENA—J. & S. Mammoth Mixed. (1200 seeds)	.25	1.00

SWEET PEAS—Choice, large-flowering, mixed, oz. 5c; ¼ lb. 10c; lb. 30c; 5 lbs. $1.25.

JOHNSON & STOKES, 217-219 Market Street, Philadelphia, Pa.

ASPARAGUS SEED.

Healthy vigorous seed. Our stock is entirely free from the rust so prevalent in the North and West. We are headquarters for this seed and can quote special low prices in large lots.

We can also offer **OKRA, MUSTARD, COLLARDS,** and other Southern Specialties to advantage. Write for prices.

T. W. WOOD & SONS
SEEDSMEN, RICHMOND, VA.

SEEDS ASTER, large white Branching, 90c oz.; Semple's Branching, shell pink, 90c oz.; Tall, all colors, choice mixed, 50c oz. RICINUS, choice mixture, 50c lb. SWEET PEAS, choice mxd. 25c lb. Peas and Ricinus by express only. Cash with order. MRS ISRAEL FRANTZ.
Rural Delivery No. 1. Springfield, O.

RAFFIA NATURAL COLORED.
VAUGHAN'S SEED STORE,
CHICAGO and NEW YORK.

EXTRA CHOICE FLOWER SEEDS.
List free on application.
FRED. ROEMER, Seed Grower,
Quedlinburg, Germany.

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OF THE
AM. SEED TRADE ASSOCIATION
$2.00,
in either stiff or flexible cover. ADDRESS ORDERS TO
AMERICAN FLORIST CO., CHICAGO.

DREER'S SUMMER FLOWERING BULBS.

FRILLED TUBEROUS BEGONIA.

TUBEROUS ROOTED BEGONIAS—Single Flowered.
White, Crimson, Scarlet, Pink, White and Yellow, 40c per doz.; $3 per 100; $25 per 1000
Choicest singles in mixture, 35c per doz.; $2.50 per 100; $22 per 1000.

TUBEROUS ROOTED BEGONIAS—Double Flowering.
Scarlet, Rose, White and Yellow, 65c per doz.; $5 per 100; $40 per 1000.
Choicest doubles in mixture, 50c per doz; $4 per 100; $35 per 1000.

NEW FRILLED TUBEROUS BEGONIAS.
A grand new variety fringed like a single Petunia, choicest mixture, 25c each, $2.50 per doz.; $20 per 100.

BEDDING TUBEROUS BEGONIA, DUKE ZEPPELIN
This is the intensely bright scarlet small double flowered that attracted so much attention at the Pan-American Exhibition last summer. Fine strong bulbs, 20c each; $2 per doz.; $15 per 100.

GLOXINIA CRASSIFOLIA GRANDIFLORA.
A choice selected strain, strong, well matured bulbs, Red, White and Blue in separate colors or in choicest mixture, 50c. per doz.; $4 per 100; $35.00 per 1000.

FANCY LEAVED CALADIUMS.
A choice collection of 25 varieties, $1.25 per doz.; $10 per 100.
Choice Mixed Varieties, $1 per doz.; $8 per 100.

TIGRIDIAS.
Conchiflora, Grandiflora Alba, Pavonia Grandiflora, 30c per doz.; $2 per 100; $15 per 1000

MONTBRETIAS.
Six choice varieties, 25c per doz.; $1.75 per 100; $12.50 per 1000.

HENRY A. DREER,
714 CHESTNUT ST., PHILADELPHIA, PA.

Please mention the American Florist when writing

SEED POTATOES.

A1, Sutton's.
Ash-leaf, Sharpe's Selected.
Ash-leaf, Myatt's.
Ash-leaf, Rivers' Royal
Ash-leaf, Veitch's.
Abundance.
Aurora.
Beauty of Hebron, Pink.
Beauty of Hebron, White.
British Lion.
Bruce.
Burmah Beauty
British Queen.
Boston Q. Q.
Champion.
Cigarette.
Conquest.
Challenge.
Colossal.
Drone.
Devonian.
Duke of Albany, Sharpe's.
Duke of York.
Duchess of Teck Sharpe's.
Denbigh Castle, Sharpe's
Eightyfold.
Early Rose.
Early Peter, Sharpe's.
Elberon.
Empress Queen.
Express, Sharpe's.
Flourball, or Snowball.
Farmer's Glory.
Future Fame.
Garton.
Goldfinder.
Good Hope.
Hammersmith Early.
Harbinger, Sutton's.
Her Majesty.
Ideal, Sutton's.
Imperator.
Jeanie Deans.
Klondyke.
Lady Fife.
Main Crop.
Magnum Bonum.
Ninetyfold, Sutton's.
Omega, Sharpe's.
Paragon, Sharpe's.
Perfection, Sutton's.
Puritan.
Regent.
Ringleader.
Ruby Queen.
Reading Hero.
Reading Giant.
Reading Russet.
Redskin Flourball.
Schoolmaster.
Sandringham Kidney.
Satisfaction.
Sir John Llewellyn.
Snowflake.
Snowdrop.
Snowdrift.
Saxonia.
Sirdar.
Sleaford Hero, Sharpe's.
Supreme, Sutton's.
Triumph, Sutton's.
Up-to-Date.
Victoria, Paterson's.
Victor, Sharpe's (Yel'w Flesh)
White Elephant.
Windsor Castle.
York Regent.
Etc., Etc., Etc., Etc.

QUOTATIONS TO THE TRADE ON APPLICATION.

CHARLES SHARPE & CO., LTD., SLEAFORD, ENGLAND.

ESTABLISHED 1802

THORBURN'S SEEDS

have been the standard of excellence for a hundred years, and were awarded the **GOLD MEDAL** both at the Paris Exposition of 1900 and Pan-American 1901. Our Wholesale Price List of Flower Seeds, etc., for Florists, will be mailed on application, and our Trade Price List of Vegetable and Flower Seeds to seed dealers.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

NEW CROP SEEDS!!

Asparagus Sprengeri, 100 seed, 40c; 1000, $3.00.
Aster Daybreak, finest pink, true stock, ⅛-oz., 40c; oz., $2.50.
Aster Semple's branching, white, pink, lavender, crimson, purple, ⅛-oz. 25; oz. $1.50.
Aster Vick's branching, pure white, ⅛-oz., 25c; oz., $1.25.
Aster Queen of the Market, white, rose, dark blue, ⅛-oz., 20c; oz., 75c.
Salvia Splendens, ⅛-oz., 25c; oz., $1.50.
Smilax, per oz., 35c; lb., $3.50.
Verbena Mammoth, finest mixed, ⅛-oz., 25c; oz., $1.00.

Other seasonable seeds, also a full line of rooted cuttings of Carnations, Chrysanthemums, Roses, vigorous stock grown by the Lake View Rose Gardens, are fully described in our trade list.

WALTER MOTT SEED & BULB CO., JAMESTOWN, N. Y.

B. W. DIRKEN,
Oudenbosch, Holland.

ORNAMENTAL AND FOREST TREES A SPECIALTY.

Conifers, Evergreens, Hollies, Etc.
Prices on Application.

ELECTROS...

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO.,
.....324 Dearborn St., CHICAGO.

PALMS.

HOME-GROWN, FINE, CLEAN STOCK; GROWN COOL.

Write for Price List. J. B. HEISS,
The Exotic Nurseries. DAYTON, OHIO.

BOBBINK & ATKINS,
Plant and Bulb Merchants,
RUTHERFORD, N. J.

Please mention the American Florist when writing.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
R. C. BERCKMANS, Pres.; R. J. COE, Vice-Pres.
GEORGE C. SEAGER, Rochester, N. Y., Sec'y.
Twenty-seventh annual convention, Milwaukee, Wis., June, 1902.

PARRY'S POMONA NURSERIES, Parry, N. J., made an assignment January 10 to Joseph L. Thomas.

AT the forty-seventh annual meeting of the Western New York Horticultural Society, at Rochester, January 22 and 23, the Barry gold medals for new fruits were presented to Chas. G. Hooker and John Charlton & Sons.

ONE result of the agitation on account of the presence of the San Jose scale in the neighborhood of Worcester, Mass., has been the placing of a large supply of whaleoil soap in Horticultural Hall for the use of the public and the appropriation of $1,000 by the Horticultural Society to be used for the purpose of checking the ravages of the pest.

To Improve Rhododendrons.

ED. AM. FLORIST:—Some years ago I transplanted from a nearby swamp a lot of wild rhododendrons, probably R. maximum which have thrived wonderfully. The clumps are so luxuriant that thousands of small seedlings are in sight. If I could only get gorgeous colors they would be a fine sight. Can they be hybridized with the brilliant colored Nepaul species, R. arboreum, or grafted? If so, please to tell me how I should go to work. What kind of wood should be used and what kind of graft? What time of year should it be done. M. T.

In answer to your letter of inquiry about Rhododendron maximum and its improvement by crossing with other species, they can possibly be improved and made as brilliant as the Catawbiense variety, but the process is a slow one and will require years of patient labor, and many failures will come before the end is obtained. There are, I believe, a few hybrids of R. maximum, but not many. Why it has not been used as much as Catawbiense I cannot say, unless that it blooms much later than the other species. Charles Sander, of Prof. Sargent's, has been working on it for several years, but I believe his crosses have not yet bloomed. I have a few three years old, but none has bloomed as yet.

The proper way to go to work about hybridizing would be to pot up some good blooming plants of R. maximum and start them under glass three or four weeks ahead of the other species, so as to have them both in bloom at the same time. Maximum being the one used for the mother plant, should have all the stamens removed as fast as the flowers open and before the pollen opens. It should then be covered with gauze so that it will not be impregnated with any other species than the one desired. If there is no other species or variety near, this would be unnecessary. As soon as the stigma is ready for the pollen, take the pollen of the plant to be used as the pollen parent and cover the stigma by dusting it over with a camel's hair brush or otherwise. Be sure this is done when the air of the house is dry and warm, so as to help scatter the pollen grains. Be sure the pollen does not get wet or the result will be unsatisfactory. Be sure and make a record of the varieties used for future reference.

When the seed is ripe prepare some well drained pans or pots and fill them with light, sandy, peaty soil. Having pressed firmly and watered with a fine rose, sow the seeds on the surface and cover with the slightest possible cover of earth. Over this put sphagnum moss or paper. To keep the soil moist very careful watering is necessary, as the seeds, being so small, are easily displaced. I, myself, usually fill up the pans or boxes as I have described, cover the whole with fine chopped sphagnum, and sow the seeds of this class of plants on the sphagnum. This way requires no covering and they are less liable to damp off than when sown on the surface of the soil. The pots should then be placed in a warm house, 60° to 65°. If everything is all right the plants should appear in a few weeks.

As soon as the first rough leaf appears the young plants should be pricked off in well drained pans or boxes, using the same kind of soil as in the seed pans. As soon as pricked off water with a fine rose to settle the earth around them. Grow them on as rapidly as possible and as the plants begin to touch each other transplant into fresh pans, using a little coarse soil each time. Keep the air of the house they are grown in moist and warm. If they have been properly attended to, by the first of September the plants should be from an inch to one and one-half inches high. Then more air should be given the plants and less moisture. Gradually hardened off, remove them to an open frame or a cool house. Winter the first season in a cool pit or cellar and the following spring plant out in a well prepared bed, where they can be shaded if necessary during extreme weather. A syringing every evening during hot weather this first season will greatly help them. After that ordinary culture will be sufficient.

Rhododendron maximum makes a good stock to graft other rhododendrons on. For grafting the stocks should be potted in spring and plunged outside in beds of soil on coal ashes. This keeps the roots much cooler than if exposed on the surface. The plants can be grafted in close frames in the house from August to September and from December to March. Side or veneer grafts are usually used. The best wood to use is the new, half ripened growth for summer grafting and the same ripened growths for winter. After grafting the plants are laid on their sides in a close frame and kept very close for the first two weeks. After that a little air can be given each day. From six to eight weeks is the time required for the graft to get well knit. As soon as the grafts knit the plants can be set in the body of the house and grown on as other plants. At the approach of cold weather they can be stored in cold pits or cellars until planting time, when they can be planted out and treated the same as the other young plants. Plants with wood about as thick as a lead pencil are best for grafting but somewhat larger can be used. JACKSON DAWSON.

DOVER, DEL.—John Parsons, for many years in charge of the decorative planting on the Delaware division of the Pennsylvania railroad, died January 24, aged 65 years.

NAZARETH, PA.—George R. Geiger is in the midst of a season of prosperity and is planning to increase his facilities for next season by the addition of 7,000 feet of glass to his range.

BRIGHTON, MASS.—W. H. Elliott, the well known rose and asparagus grower, has by far the largest greenhouse in the country well along toward completion. The dimensions are 54x800 feet.

NEW YORK.—Henry W. Gibbons has severed his connection with the firm at Bloomsburg, Pa., which bore his name, and will continue in business on his own account at his old address, 136 Liberty street.

ST. LOUIS, MO.—Charles Connon, an old-time florist of this city, resident of Webster Grove, died January 25 and was buried on the 28th inst. A large delegation, representing the St. Louis Florists' Club attended the funeral.

Choicest Fruit and Ornamental Trees.
Shrubs, Plants, Bulbs, Seeds. 40 Acres Hardy Roses. 44 Greenhouses of Palms, Everblooming Roses, Ficus, Ferns, Etc. Correspondence solicited. Catalogue Free. 47 Years. 1000 Acres.
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HOLLAND.
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De Bilt, near Utrecht, Holland.

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Fruit Trees, Small Fruits, Ornamental Trees, Evergreens and Shrubs, Shade Trees, Hardy Roses, Hardy Plants, Climbers, etc., including the New Hardy Yellow Rose, Golden Sun (Soleil d'Or) and beautiful New Cut leaved Elder.
Descriptive Catalogue (Edition 1901) with colored illustration of the new Rose and Elder on request.
Ellwanger & Barry
Mt. Hope Nurseries, Established over 60 years. ROCHESTER, N.Y. Mention this publication.

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Send 2c stamp for illustrated descriptive catalog.
T. S. HUBBARD CO. Fredonia, N. Y.

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ASPARAGUS SPRENGERI—New seed. 100 seeds, 30c; 1000 seeds, $2.00.

ASPARAGUS DECUMBENS—100 seeds. $1.25.

BRANCHING, or SEMPLE ASTER.

White, ¼ oz., 25c; oz., 80c; trade pkt., 25c.
Purple, ¼ oz., 25c; oz., 85c; trade pkt., 10c.
Lavender, ¼ oz., 30c; oz., $1.00; trade pkt., 25c.
Red, ¼ oz., 25c; oz., $1.00; trade pkt., 10c.
Pink (Daybreak), ¼ oz., 25c; oz., $1 00; trade pkt., 10c.

One trade packet of each of the above five colors for 50c.

Branching Aster, mixed, oz., 85c; ¼ oz., 25c; trade pkt., 10c.

ASTER, Queen of the Earliest.—White, the earliest of all. Trade pkt., 10c; ¼ oz., 30c.

THE "CARLSON" ASTER.—White, pink, lavender, each, trade pkt., 25c.

GOLD MEDAL AWARDED VAUGHAN'S INTERNATIONAL PANSIES AT BUFFALO.

LOBELIA "BEDDING QUEEN." Trade pkt., 25c; ¼ oz., 60c.

	Trade Pkt.	Oz.
LOBELIA, Crystal Palace Compacta	$ .15	$1.25
⅛ oz., 25c.		
Speciosa, dark flowers and foliage; for hanging baskets	.10	.75
Erinus, Emperor William, dwf. ¼ oz	30 .10	1.00

MIGNONETTE, True Machet. Pkt., 10c; ½ oz., 25c; oz., 50c; 2 oz., 75c; ¼ lb., $1.25.

"VAUGHAN'S BEST" MIXTURE OF LARGE FLOWERING PETUNIAS. This mixture is made up by ourselves and includes all the best varieties and colors of the Large flowering and Fringed sorts and the unsurpassed Superbissima varieties with their delicately veined throats in various colors, and their truly mammoth flowers. We are positive that **no other Petunia Mixture can produce flowers with as wide a range of colors as our Vaughan's Best.** Trade pkt. (1000 seeds) 50c, 3 pkts. for $1.25.

BROWALLIA Speciosa Major. Trade pkt., 25c.

CANDYTUFT, New Giant Hyacinth-Flowered.—This improved new strain is far superior to that well-known kind, Empress, heretofore the best of its class. The flower-heads are of immense size, six inches long and about three inches across, resembling a Dutch Hyacinth. They are pure white, and furnish excellent material for cutting. Oz. 30c; pkt., 10c.

CENTAUREA Candidissima (Dusty Miller), 1000 seeds, 25c; oz., $1.00.

Gymnocarpa. Trade pkt., 10c; oz., 40c.

	Trade pkt.	Oz.
THUNBERGIA Mixed	.10	.25
PYRETHRUM Golden Feather ¼ oz., 15c.;	.10	.40
SALVIA Splendens Compacta, Clara Bedman (Bonfire)	.25	2.50
"Drooping Spikes," one of the best ¼ oz., 50c;	.15	2.00
VERBENA — Mammoth, Mixed	.15	1.00
" White	.15	1.25
" Firefly, new brilliant scarlet	.25	
" Pink and Carmine shades	.25	
" **Mayflower,** best pink	.25	1.75
Candidissima, white	.15	1.00
Defiance, brightest scarlet	.10	1.00

VAUGHAN'S INTERNATIONAL PANSIES.

THE WORLD'S BEST. This is a combination of as many separate colors, types, blendings and unique kinds as can be found in the world. It has been made up and sold by us for twelve years; it **is the best general mixture in existence** and is most widely known and popular. Price, per oz., $10; ½ oz., $5; ⅛ oz., $1.50; trade pkt., 50c.

VAUGHAN'S "GIANT PANSY MIXTURE." Embraces, besides all the best shades and colors, five special strains which can only be had in this and our International Pansy. Price, ¼ lb., $14 00; Oz., $4.00; ⅛ oz., 60c; trade pkt., 25c.

MASTERPIECE—NEW GIANT CURLED. Pkt., 50c; ⅛ oz., $1.00.

"VAUGHAN'S BEST" MIXTURE OF VERBENAS. This mixture contains all that is choice and desirable in Verbenas. We feel perfectly safe in stating that this mixture of Verbenas will eclipse every other strain offered by any other house. Oz. $2.00; ¼ Oz., 50c; trade Pkt., 25c.

SWEET PEAS.

	¼ lb.	lb.
BLANCHE FERRY, extra early	$ .10	$ .25
COUNTESS OF RADNOR	.10	.30
EMILY HENDERSON	.10	.30
KATHERINE TRACY	.10	.25
NAVY BLUE, oz. 10c	.30	1.00
MONT BLANC, oz. 15c	.40	1.50

TEN PER CENT DISCOUNT FOR CASH WITH ORDER AMOUNTING TO TWO DOLLARS OR OVER.

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BEGONIA GLOIRE DE LORRAINE,

2¼-inch pots, $15.00 per 100.

Write for prices on large lots. Stock guaranteed absolutely free from disease.

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SPECIALTIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery,
CHRYSANTHEMUMS,
SMILAX, VIOLETS.

In Best Varieties

Prices Low. Send for List.

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Crimson Rambler Roses

$10, $12 and $15 per 100. Field-grown plants, just the kind for forcing.

The Conard & Jones Co, West Grove, Pa.

Roses

Brides Maids and Golden Gates, 2½-inch stock in fine condition. $2.25 per 100, $18 per 1000. Ready for delivery Feb. 15.

West View Floral Co. Knightstown, Ind

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CANNAS

Dormant roots, 2, 3 or more eyes. Chas. Henderson, Burbank, Austria $18.00 per 100; $2.00 per 100. Paul Marquandt, Mme. Crozy, A. Bouvier, Queen Charlotte Mme. Borchard, $20 per 1000; $2.50 per 100. Duke of Marlboro, Black Prince, new, $3 per 100. Martha Washington, true pink, new, $4 per 100. Other kinds cheap. Cash please.

SHELLROAD GREENHOUSE CO., ORANGE P. O., BALTIMORE, MD.

VINCA VARIEGATA

Rooted cuttings, well rooted, $1 per 100; $7.50 per 1000.

FORGET-ME-NOT, true winter flowering, out of 2½-in. pots, $2.00 per 100; $15.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Rhododendrons "Mtn."

Choice plants 6 to 10 in., 75c per 10; $5 00 per 100
" " 12 to 18-in., $1.50 per 10; $12.50 per 100
Special prices on large lots Cash with first order.

J. N. PRITCHARD, Elk Park, N. C.

500,000 VERBENAS.

60 finest named varieties, including our **NEW MAMMOTH WHITE, "MRS. McKINLEY."** The finest white verbena grown; perfectly healthy; free from disease. Rooted cuttings, 60c per 100; $5 00 per 1000. Plants, $2.50 per 100; $20.00 per 1000. Our list is the choice of millions of seedlings. Send for circular.

J. L. DILLON, BLOOMSBURG, PA.

Boston Ferns

Fine, strong, young plants, $3.00 per 100; $27.50 per 1000. Extra strong plants from 3 inch pots, $8.00 per 100; $75.00 per 1000.

Edwin Lonsdale, Wyndmoor, Chestnut Hill, Pa.

Dahlias

Mrs. Winters

THE WORLD'S BEST WHITE DAHLIA.

Novelties and Standard varieties. 18 yrs'. experience and have failed of no prize competed for.

See my catalogue before placing your order. Also fine field-grown Hollyhocks at $2.50 per 100. Cannas, Paeonias and Hardy Plants. Cheap mixtures are dear; get the best.

W. W. WILMORE, The Dahlia Specialist,
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PERSICUM SPLENDENS GIGANTEUM, finest strain in the world, in four colors, fine plants in bud and bloom, from 3½-inch pots, $1.00 per doz., $8.00 per 100; from 4-inch pots, $10 00 per 100. Seedlings of same now ready, transplanted from flats, $3.00 per 100, $25 per 1000.

PAUL MADER, East Stroudsburg, Pa.

Please mention the American Florist when writing.

SHIPPING LABELS FOR ....Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co.,
CHICAGO.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 79 Milk St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At New York.

Monday evening saw a full dozen enthusiasts on the bowling alleys and no less than eight games were rolled before they had had enough. Scores were varied, some phenomenally big, some phenomenally little, but all who were there had a good time.

At Utica.

The following is the score made by the members of the Utica Florists' Bowling Club on the evening of January 26:

Player	1st	2d	3d	4th	Av
Baker	119	174	155	139	147
Wilcox	116	165	121	137	135
Death	136	116	134	88	119
McGowan	111	94	110	133	112
Williams	91	106	134	111	110
McLane	93	103	108	120	106

S.

Chicago Visits Milwaukee.

A party of eighteen Chicago florists, members of the bowling club and their friends, visited Milwaukee on Saturday evening, January 25, and had a rousing time, as they always do in the Cream City. The bowling was at the Plankinton House and after the smoke of battle had cleared away it was found that the hosts had graciously refrained from piling up too large scores to incommode their guests. Everybody then marched to the annual Brewers' Ball, with music by the "Lauderbach band" playing "There'll be a Hot Time," and there was. Following is the score made on the alleys:

MILWAUKEE.			CHICAGO.		
Pollworth	159	161	Asmus	139	179
Kennedy	131	136	Degnan	178	166
Zweifel	169	128	Hauswirth	189	144
Edlefsen	154	147	Balluff	188	182
Holton	150	175	Hunt	163	127
Klokner	146	144	Lambros	170	141
Hunkel	156	161	Schmitz	131	147
Sylvester	182	163	Winterson	162	199
Total	1238	1215	Total	1320	1276

At Chicago.

The following is the record of the regular Tuesday night contest on Chicago alleys, January 28:

ALL STARS	1st	2d	3d	T'l
Chas. Balluff	134	159	187	480
Clifford Pruner	131	129	153	416
Walter Kreitling	152	101	140	393
J. A. Evans	92	121	89	302
G. L. Grant	129	132	144	405
Total	641	612	713	1996
WHOLESALERS	1st	2d	3d	T'l
Jos. Foerster	192	165	181	538
Ed. Benthey	111	141	181	433
H. Costsworth	152	135	108	395
Jno. Sterrett	157	157	141	455
E. F. Winterson	141	180	165	486
Total	753	778	776	2307
RETAILERS	1st	2d	3d	T'l
P. J. Hauswirth	212	157	147	516
J. Huebner	179	150	148	477
John Lambros	165	116	165	446
Ed. Hauswirth	151	152	139	442
Geo. Asmus	159	168	181	488
Total	846	743	781	2369
GROWERS	1st	2d	3d	T'l
Geo. Stollery	171	160	172	503
Fred. Stollery	175	155	159	489
F. Matte	166	162	149	477
Chas. Hughes	155	165	162	482
C. Schafer	136	167	143	446
Total	803	809	785	2397

CHICAGO AND MILWAUKEE FLORISTS EN MASQUE FOR THE BREWERS' BALL.

At Denver.

Following are the scores rolled by the Denver Florists' Club, January, 21, 1902:

Player.	1st	2d	3d	Av
Phil Scott	187	154	157	166
Chas. Mauff	109	148	189	149
John Berry	163	136	141	147
N. O. Benson	166	126	137	143
Robert Kurth	122	123	139	128
J. A. Valentine	107	111	140	119
Emil Glauber	102	126	111	113
Chas. Theiss	130	94	111	112

The following is the score rolled Tuesday evening, January 28.

Player	1st	2d	3d	Av
A. E. Mauff	147	201	183	177
N. A. Benson	147	149	156	151
John Berry	148	168	143	150
E. J. Reynolds		1 1	176	148
Robert Kurth	139	146	159	148
J. A. Valentine	120	176	139	145
Chas. Theiss	116	126	170	137
Phil Scott		137	133	135
Fred. Watson	139	106	108	118
Emil Glauber	118	127	105	117
Ben. Boldt	84	111	104	100

F. W.

At Jamestown, N. Y.

The bowlers rolled the first of their series of "trophy" matches January 23, the rose growers winning out by the following score:

CARNATION GROWERS.

Player	1st	2d	3d	T'l
Cap. Hermon	152	152	130	424
J. Lydon	102	112	134	348
A. Wasson	119	111	120	350
J. Eiden	81	81	134	296
A. Scott	142	125	160	427
F. Gunton	101	105	139	345
Total	697	686	817	2200

ROSE GROWERS.

Player	1st	2d	3d	T'l
Capt. Brooks	163	140	146	389
Wm. Coyne	113	177	165	455
C. Gunton	114	147	134	395
E. Bowyer	163	167	139	469
M. McCue	143	121	126	390
S. Carlson	169	101	92	362
Total	745	853	802	2400

W.

Toronto.

SEVERE WINTER WEATHER MAKES AN IMPRESSION ON TRADE.—SUPPLIES SHORT EXCEPT VIOLETS AND CARNATIONS.—AT THE CLUB.—VARIOUS NOTES

The prevailing cold weather is having its effect on trade, but as this sort of temperature does not produce roses in quantity they are still in demand at top notch prices. Carnations are plentiful and good and bulbous stock is coming in heavily. Asparagus plumosus is the scarce article. Violet day was almost a failure and large quantities were left over. The heaviest snowstorm for twenty-five years raged all day and traffic was suspended. This storm caused considerable damage to the greenhouses in this vicinity. One house at Lampton collapsed and in many others the bars were sprung so much that they had to be propped up.

Installation night at the club brought out the largest attendance we have had for many a day. Our new president, Jno. Chambers, manipulated the gavel with a master hand and business, mostly pertaining to a spring show to be held about Easter, went through with a rush. Walter Muston was presented with a silver water service which, by his well selected words and happy countenance, we knew was appreciated. After the usual routine cards were indulged in and the refreshments under Geo. Mills' direction proved most palatable.

On January 27 Lancelot Dunn, a florist of St. Catharines, died at his home, of pneumonia, after a short illness. Deceased was born in Newcastle-on-Tyne and came to this country in 1861. He was 53 years of age and leaves a wife, two sons and five daughters.

The secretary of the Horticultural Society has sent notices that an informal carnation meeting will be held at Dale's, Brampton, on February 4. Those who intend visiting are requested to bring a few blooms to compare notes.

Jno H. Dunlop has a sport of Lawson carnation, a beautiful shade of pink, a little darker than Morning Glory, with all the growing habits of the parent flower. H. G. D.

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 establish permanent business with the best trade in the United States.

Everything For Florists.

CUT FLOWERS, SUPPLIES, SEEDS, BULBS AND ALL REQUISITES.

Just Received, fine lot of JAPANESE FERN BALLS, $3.50 per doz. $25 per 100.

Send for Complete Catalogue.

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Wholesale Commission Florists and Dealers in all Kinds of Florists' Supplies.

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HIGH GRADE FLOWERS OF ALL KINDS.

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WILLS & SEGAR, Court Florists to His Majesty, The King.

ROYAL EXOTIC NURSERY,

TELEGRAMS, Onslow Crescent, South Kensington, FLOSCULO, LONDON. LONDON, ENGLAND.

CARNATIONS

Rooted Cuttings.

All well rooted; must get them out of sand; down goes the price. Now is your chance to get strong rooted cuttings to make good plants for next summer.

QUEEN LOUISE, $4.00 per 100; $35 per 1000.

FLORA HILL, DAYBREAK, CRANE, AMERICA, CROCKER, LIPPINCOTT, MACEO — $1.25 per 100; $10.00 per 1000.

☞ Write for price list on large orders. Cash with order.

MERCER FLORAL CO., Trenton, N. J.

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Business Methods

are right you can make a profit on an advertisement here.

PREPARE FOR THE GREAT

NEW YORK FLOWER SHOW

October 30 to November 6, AT THE

MADISON SQUARE GARDEN.

CHRYSANTHEMUM SCHEDULE.

Three bush plants, distinct	$100 00	
One specimen pink, bush plant	25.00	
" white, bush plant	25.00	
" yellow, bush plant	25.00	
To be grown in pots not to exceed 14 inches, not less than one inch of stem to show above surface.		
One standard, any color, length of stem not less than three feet six inches	25.00	
One plant grafted with different varieties	25.00	
Group of Chrysanthemum plants covering 100 square feet, foliage plants to be used for border effect	$50	$25
Twenty-five single stem plants, assorted	15	10

CUT BLOOMS, White.

12 Timothy Eaton	$8	$4
12 Merza	8	4
12 Mrs Henry Robinson	8	4
12 Mrs. H. H. Weeks	8	4
12 Any other White	8	4
PINK.		
12 Mrs. Barclay	8	4
12 Viviand-Morel	8	4
12 Mrs. Combes	8	4
12 Mrs. Perrin	8	4
12 Any other Pink	8	4
YELLOW.		
12 Colonel D. Appleton	$8	$4
12 Major Bonnaffon	8	4
12 Jeannie Falconer	8	4
12 Mme Carnot	8	4
12 Any other Yellow	8	4
CRIMSON.		
12 George W. Childs	8	4
12 Malcolm Lamond	8	4
12 Mrs. A. J Drexel	8	4
12 Tom Carrington	8	4
12 Any other Crimson	8	4
12 Bronze any variety	8	4
12 Blush Pink	8	4
25 White any variety	15	10
25 Yellow any variety	15	10
25 Pink any variety	15	10
25 Crimson any variety	15	10
12 Any other Color	15	10
Collection of Ostrich Plume varieties	10	5
Collection of Anemone varieties	10	5
Collection of Pompon varieties	10	5
Twenty blooms in one Vase arranged for effect, Palms, Ferns or other foliage may be used	15	10
Thirty-six blooms, 6 varieties, 6 of each	25	15
Sixty blooms, 6 of each, Silver Cup, value $50.		

The New York Florists' Club will pay $100 00 for the best plan of the floor space of the Madison Square Garden, showing novelty of design. Plans not accepted to be returned. All plans submitted to include approximate cost of material suggested.

Ground plan can be obtained on application.

Full Schedule of premiums mailed on application

JOHN YOUNG, Secretary,

51 West 28th Street, NEW YORK.

Cincinnati.

TRADE BRISK AND GOOD STOCK CLEANED UP WELL.—NOTES OF VARIOUS MATTERS OF LOCAL INTEREST.

Business at the present writing is all that can be asked. There is a nice lot of stock coming in, meeting a ready demand. Roses sell from $4 to $12 and there are none left after the day's business is over. Fancy carnations seem to be moving a little better this week than last and sell at from $3 to $5. Nice lily of the valley and tulips are also being offered in quantity. Violets are moving a little better than at last report and also Romans and narcissi. Harrisii and calla lilies are coming in more abundantly and sell at sight.

A smooth individual came into the store of A. Sunderbruch's Sons one day last week and passed himself off as Mr. Bates, a well-to-do resident of one of our suburbs. He ordered two dozen roses for $4 and had them sent to the residence of Mr. Bates, tendering a check for $15 in payment for same. Mr. Foster accepted the check and gave $11 in change.

Has carnation rust made its appearance again? The writer has seen a lot of carnations from one of our crack growers which were literally covered with rust. It is the first I have seen for two years.

Hardesty & Company have a grand lot of Harrisii lilies and they seem to be selling well. Mr. Oats of this firm leaves for Lexington this week to look after his other interests.

Julius Baer had a swell window last week, of azaleas and poinsettias, with leucothoe sprays hung about the window in Kift's holders. D.

Providence, R. I.

BUSINESS ON THE UP GRADE.—BULBOUS STOCK IN OVER-SUPPLY.—NOTES HERE AND THERE.

We have come to the turn in the lane, and business is now improving after a slack period of nearly a month. Roses, carnations and violets find ready sale, only bulbous flowers being a glut. Not only has cut flower trade improved but also the demand for design work. The weather has been especially mild and clear.

J. Wood is reported anxious to discontinue his present stand and locate on Westminster street.

Local growers are planning to raise more Joost carnations next season.

G. O. Westcott has been very sick. His friends wish him a quick recovery.

F. Macrae is sending in some good Princess of Wales violets.

Hoffman is first in with tulips.

M. M.

LOOMIS, CAL.—A. Mitting has disposed of his interest in the Mitting Floral Company to L. D. Clapp, who will conduct the business under the name of the Loomis Floral Company.

THE
NEW YORK CUT FLOWER CO.
OFFERS
DESIRABLE WALL SPACE
FOR ADVERTISING PURPOSES.
J. A. MILLANG, MGR. 55-57 West 26th Street, New York.

FINE STOCK—500 2-in. Maidenhair Ferns left, $3.50 per 100. 500 Serrulata, 2-in., $3 per 100. Both lots for $25. Speak quick or you will lose a Bargain. Mammoth Verbenas, r. c., no rust here, 60c per 100—named colors. Primula Obconica Alba and Rosea (mixed) 2c each. N. O. Caswell, Delavan, Ill.

The Mrs. E. A. Nelson

Bids fair to become the **COMMERCIAL STANDARD** pink carnation. It is a healthy grower, a free and continuous bloomer and it is sure to thrive wherever grown.

The following letter from Messrs. Robert Craig & Son speaks for itself:

PHILADELPHIA, PA., Jan. 6th, 1902.

S. S. SKIDELSKY, *Dear Sir*—We are much pleased with the "Mrs. Nelson" Carnation, of which you sent us plants for trial last spring; it has a fine constitution and is an abundant bloomer. The blooms are of good size and the color very desirable. It has good, long, stiff stems. We think it will be a standard variety. Yours truly, ROBERT CRAIG & SON.

PRICES.

Per Dozen, $2 50; 25, $3.50; 50, $6.00; 100, $10; 1000, $80.
250 go at 1,000 rate. Send for descriptive circular.

For Sale By

VAUGHAN'S SEED STORE, New York and Chicago.
H. F. MICHELL, Philadelphia.
H. A. DREER, Philadelphia.
ROBERT CRAIG & SON, Philadelphia.
E. G. HILL CO., Richmond, Ind.
A. N. PIERSON, Cromwell, Conn.
J. D. THOMPSON CARNATION CO., Joliet, Ill.
ALBERT M. HERR, Lancaster, Pa.
CINCINNATI CUT FLOWER CO., Cincinnati, Ohio.
WM. F. KASTING, Buffalo, N. Y.
C. A. KUEHN, St. Louis, Mo.
S. A. BAUR, Erie, Pa.
J. GAMMAGE & SONS, London, Ontario, Agents for Canada.

S. S. SKIDELSKY,
708 N. 16th Street, PHILADELPHIA, PA.

E. A. NELSON,
3503 N. Senate Ave., INDIANAPOLIS, IND.

Mrs. Palmer

Largest, best formed, most prolific and as good a color as any scarlet ever introduced. $12.00 per 100, $10 .00 per 1000.

Chicot

Extra large white, beautifully striped in midwinter, extremely fragrant, finest constitution. More profitable than any standard variety on our place last season, and is doing even better now. $6.00 per 100; $50.00 per 1000.

Mrs. Higinbotham

We have all the orders we can fill until March 15th. Same price as Palmer.

Elegant Stock.

NOW READY TO SHIP.

	Per 100	Per 1000
BON HOMME, white	$1.00	$30.00
WHITE CLOUD, "	2.00	15.00
FLORA HILL, "	2 00	15.00
NORWAY, "	6.00	50.00
HOOSIER MAID, "	4.00	30.00
LAWSON, pink	4 00	35.00
MARQUIS, "	2.50	20.00
SUNBEAM, "	3 00	25.00
IRENE, "	4.00	30.00
CROCKER, "	2.00	15.00
JOOST, "	2.00	15.00
MORNING GLORY, pink	3.00	25.00
G. LORD "	2.00	15 00
CRANE, scarlet	2.00	15.00
ROOSEVELT, crimson	6 00	50.00
MACEO, "	2.00	15.00
GOMEZ, "	2.00	15 00
BRADT, variegated	2.50	20.00
NYDIA, "	3.00	25.00
OLYMPIA, "	2.50	20.00
GOLD NUGGET, yellow	3.00	25.00
PROSPERITY, from soil	6.00	45 00

All new varieties at introducer's prices.

Chicago Carnation Co.
JOLIET, ILL.

When writing to any of the advertisers on this page please mention the American Florist.

Carnations...

ROOTED CUTTINGS.	Per 100	Per 1000
QUEEN LOUISE	$5.00	$40.00
LORNA	5.00	40 00
G. H CRANE	2 00	12.50
MORNING GLORY	2 00	15.00
ROOSEVELT	6 00	
ETHEL CROCKER	1.50	12.50
GENEVIEVE LORD	1.50	12 50
DOROTHY	5.00	40.00
PROSPERITY	6.00	50.00
MRS. E. A. NELSON	10.00	80.00
CRESSBROOK	10.00	75.00

My stock is in the best of condition. Estimates given on large orders.

Albert M. Herr, Lancaster, Pa.

CARNATIONS Rooted Cuttings

LAWSON	$3.00 per 100	$25.00 per 1000
BRADT	2.00 "	18.00 "
LORD	2.00 "	12.50 "
MACEO	2.00 "	18 00 "
GOMEZ	2 00 "	18 00 "
NORWAY	4.00 "	
GOODENOUGH	3.00 "	
OLYMPIA	2 00 "	

HENRY HESSION, Flatbush, Brooklyn, N. Y.

CARNATIONS

Owing to the dry atmosphere and high altitude diseases common to carnations are unknown with us. It will pay you to try some of our plants the coming season. We have all the leading varieties. Write for prices on rooted cuttings.

Salt Lake Floral Co., Salt Lake City, Utah.

CARNATION CUTTINGS.

Prosperity, $6 00 per 100; Norway, $5.00 per 100; Estelle, $4.50 per 100; Lawson, $4.00 per 100; Elm City, Marquis, Glacier, Joost, $2 00 per 100; Scott, Eldorado, Armazindy, Victor, Crocker, Lord, Evanston, America, Hill, Dana and McGowan, $1 50 per 100. Express prepaid on all orders of $3 00 or over.

D R HERRON, OLEAN, N. Y.

Palms and Ferns

WALTER RETZER & CO.,

Write for Prices.

2045-59 No. Halsted St., CHICAGO.

Please mention the American Florist when writing.

Get the BEST.

ROOTED CARNATION CUTTINGS

Cheap Cuttings are Dear at any Price.

INTRODUCTIONS OF 1902.

	Per 100	1000
GOV. WOLCOTT, (Fisher), white	$10	$80
ENQUIRER, (Witterstaetter), light pink	12	100
MRS. E. A. NELSON, (Nelson), glistening pink, $2.50 per dozen	10	80
J. H. MANLEY, (Cottage Gar.), orange scarlet	12	100
H. FENN, (Cottage Gardens), crimson	$12	$100
VIOLA ALLEN, (Cottage Gar.), variegated	12	100
VIOLANIA, (Cottage Gardens), variegated	12	
CRESSBROOK, (Warburton), bright pink	10	80
GAIETY, (Hill), variegated	10	75

FANCY CARNATIONS.

	Per 100	Per 1000
PROSPERITY, variegated	$6.00	$50.00
MRS. G. M. BRADT, variegated	3.00	25.00
NORWAY, white	6.00	50.00
LORNA, white	5.00	40.00
WHITE CLOUD, white	2.00	15.00
MRS. T. W. LAWSON, pink	4.50	40.00
MRS. FRANCES JOOST, pink	2.00	12.50
IRENE, pink	5.00	40.00
MORNING GLORY, light pink	$3.00	$25.00
MARQUIS, light pink	3.00	25.00
MERMAID, light pink	3 00	25.00
GOV ROOSEVELT, crimson	6.00	50.00
GEN. MACEO, crimson	2.00	15.00
ESTELLE, scarlet	6 00	50.00
G. H. CRANE, scarlet	2.50	20 00
GOLDEN BEAUTY, yellow	8.00	75.00
ELDORADO, yellow	2.50	20.00

All of our cuttings are well rooted and free from disease. Let us figure on your wants. Discounts on large quantities. BLOOMS SHIPPED FROM GREENHOUSES TO ALL POINTS ON SHORT NOTICE. SEND IN YOUR ORDERS. Upon application, we will mail our catalogue.

J. D. THOMPSON CARNATION CO.

JOLIET, ILLINOIS.

Carnation Cuttings

For Sale by

E. T. Grave, Richmond, Ind

WINNER OF THE PRESIDENT McKINLEY PRIZE at the Kansas City Show. Dorothy (First on introduction of 1901 at Kansas City), is certainly proving our claim for it as a producer, and consequently a money maker for the grower. It commands the highest price. Our stock is large and in grand shape. No order is too large or too small for us to fill. $5.00 per 100; $40.00 per 1000. Write for prices on rooted cuttings of Norway, White Cloud, Hoosier Maid, Lawson, Crane, America, Genevieve Lord and Marquis. Also T. Eaton and Fitzwygram Chrysanthemums.

CARNATIONS

Well Rooted and Healthy.

	Per 100	Per 1000
PROSPERITY, white overlaid with pink	$6 00	$50 00
GOV. ROOSEVELT, crimson	6.00	50.00
QUEEN LOUISE, white	4.00	40.00
BON HOMME RICHARD, white	4.00	30 00
IRENE, pink	4 00	30 00
TRIUMPH, pink	2.00	15 00
WHITE CLOUD, white	2.00	15.00
THOS. W. LAWSON, pink	4.00	35.00
MARQUIS, pink	2 50	20.00
G. H CRANE, scarlet	2.00	15.00
AMERICA, scarlet	2 00	15 00
MRS. BRADT, variegated	2 50	20 00
GUARDIAN ANGEL	1.75	15.00

MICHAEL WINANDY,

DEVON AVE. AND NORTH ROBEY. CHICAGO.

All The Best CARNATIONS

Send for prices on rooted cuttings, ready now and later.

Geo. Hancock & Son

GRAND HAVEN, MICH.

Carnation Cuttings

Perfectly Healthy. Propagated From Choice Stock. NOW READY.

Queen Louise.

The Best White Commercial Carnation, $5 00 per Hundred; $40.00 per Thousand.

	Per 100	Per 1000
PROSPERITY	$6 00	$50.00
MRS. THOS. LAWSON	4.00	35.00
GOV. ROOSEVELT	6 00	50.00
HOOSIER MAID	4.00	
IRENE	4.00	
NORWAY	4.00	
EGYPT	4.00	
MRS. BERTRAM LIPPINCOTT	3.00	25.00
MORNING GLORY	2.00	15.00
MARQUIS	2.50	20.00
MRS. G. M. BRADT	3.00	
CHICAGO	3.00	
MACEO	2.00	
BUTTERCUP	4.00	
GOMEZ	$2.00	
CROCKER	1.50	$12.50
GENEVIEVE LORD	1.50	12.50
G. H. CRANE	2 00	15.00
VICTOR	2.00	
WM. SCOTT	1.50	12.50
DAYBREAK	1.50	12.50
ELDORADO	1.50	12 50
JUBILEE	1.50	12.50
FLORA HILL	1.50	12.50
TRIUMPH	1.50	12.50
PORTIA	1.50	12.50
WHITE CLOUD	1.50	12.50

J. L. DILLON, Bloomsburg, Pa.

New Scarlet Carnation "ORIOLE"

Sure to become the Standard Scarlet Carnation for florists to grow. The freest and earliest scarlet in cultivation; is always in bloom and a healthy grower. Orders booked now for February delivery. Price $1.50 per dozen; $10.00 per 100; $75.00 per 1000.

AWARDED GOLD MEDAL AT THE PAN-AMERICAN EXPOSITION.

John B. Goetz, Saginaw, West Side, Mich.

Worcester, Mass.

STEADY TRADE—FASHION OF WEARING FLOWERS AGAIN IN VOGUE.—PLANTS SELLING WELL.—NOTES.

The decorations at the Charity Ball held here last week were the most elaborate that ever graced Mechanics Hall. The color scheme was entirely green and white. All of the prominent florists had a hand in the decorations. The good old custom of wearing flowers, which has been in decadence for some time, seems to have been revived and all the storemen report a large sale of violets, roses and lily of the valley for this ball.

Trade in general has continued to hold steady and prices show no disposition to weaken for first-class stock. Good roses have been a little on the short side and fancy carnations meet with a ready demand. Lily of the valley is plentiful now and we are daily receiving good Campernelle and Trumpet major narcissi Violets, both double and single, are plentiful and of fine quality.

The weekly talks held every Thursday by the Horticultural Society are being well patronized by the members and public and a very fine schedule of lectures has been arranged.

Pots of azaleas, cyclamens, freesias and hyacinths find a ready sale in limited quantities and there is a steady call for palms, ferns and other foliage plants.

H. F. A. Lange is on his annual trip to North Carolina for recreation and hunting. A. H. L.

Lenox, Mass.

HORTICULTURAL SOCIETY HOLDS AN INTERESTING AND WELL ATTENDED MEETING.

A regular meeting of the Lenox Horticultural Society was held on January 18. Officers present were, A. Loveless, president, in the chair; E. Jenkins, vice-president; J. Martin, secretary, and F. Heeremans, assistant secretary, together with twenty-nine members. Four new members were elected. A vase of the new rose, Mrs. Oliver Ames, from J. N. May, was exhibited and the committee awarded a vote of thanks to Mr. May, regretting that the flowers arrived in such poor condition that it was impossible to form a definite opinion as to their merits. The society was pleased to welcome one of its old non-resident members, W. A. Manda, who was given a hearty reception, and listened to with interest, on the subject of plant collecting. Messrs. Loveless and Jenkins, who recently paid a visit to the Waban Rose Conservatories, gave an enthusiastic account of the sights there. F. H.

DAYTON, O.—Wm. Kiefaber, C. E. Pease and W. G. Matthews have organized a stock company to go into carnation growing.

CARNATIONS
Rooted Cuttings.

Lawson, $3 00 per 100; White Cloud, Flora Hill, John Young, Armazindy, Daybreak, Ethel Crocker, Genevieve Lord, Gold Nugget, America, Jubilee, Argyle, Melba and Gen. Gomez, $1.50 per 100.

Alternantheras, Coleus, Double Sweet Alyssum, Ageratum, Fuchsias, 60c per 100.

VINCAS Abutilon foliage var. trailing, $1 00 per 100.

Hillsdale Floral Park, HILLSDALE, MICHIGAN.

Rooted Cuttings of CARNATIONS and ROSES.
All Clean, Healthy Stock, Grown Cool.
CARNATIONS.

PINK VARIETIES.	Per 100	Per 1000
MRS. LAWSON	$4.00	$35.00
MARQUIS	3.00	25.00
MORNING GLORY	3.00	25.00
ETHEL CROCKER	2.00	12.50
MRS. F. JOOST	1.50	12.50
WHITE VARIETIES.		
NORWAY	5.00	40.00
LORNA	4.00	30.00
WHITE CLOUD	1.50	12.50
FLORA HILL	1.50	12.50

RED VARIETIES.	Per 100	Per 1000
RED MRS. BRADT	$2.50	$20.00
G. H. CRANE	2.00	17.50
AMERICA	2.00	15.00
VARIEGATED VARIETIES.		
PROSPERITY	6.00	50.00
MRS. BRADT	2.50	20.00
MAROON VARIETIES.		
GEN. MACEO	1.50	12.50
YELLOW VARIETIES.		
GOLD NUGGET	3.00	25.00

ROSES.

BRIDES, BRIDESMAIDS, METEORS ..... $1.50 per 100; $12.50 per 1000
PERLES ..... 2.00 " 15.00 "

Orders for less than 25 of one variety charged extra.
All plants shipped from Hinsdale.

Bassett & Washburn,
Greenhouses: Hinsdale, Ill. Store: 76 Wabash Ave., CHICAGO.

Carnation "Floriana"

We believe this to be the best Pink Carnation introduced to date. The color is an exquisite rosy pink with no trace of purple, just the color we have been looking for; looks like the coming pink carnation as it is a steady bloomer and good twelve months in the year. Has a stiff stem, perfect calyx, and is a good free grower. Flower about three inches, of good shape, being well built up. This variety was disseminated Spring of 1901 to a small extent by the originators, Messrs. Fillow & Banks.

We have the pleasure to handle the stock of originators.

PRICE FOR ROOTED CUTTINGS—$6 per 100, 50 at 100 rate; $50 per 1000, 500 at 1000 rate. Less than 50, 8 cents each.

Carnation and Chrysanthemum SPECIALISTS.

DAILLEDOUZE BROTHERS
FLORISTS,
Flatbush, Brooklyn, N. Y.

CARNATION CUTTINGS
Well Rooted, Clean Healthy Stock.

	Per 100	Per 1000
PROSPERITY	$6.00	$45.00
NORWAY	5.00	45.00
LAWSON	4 00	35.00
CRANE	1.50	11.00
AMERICA	1.50	11.00
FLORA HILL	$1.50	$11.00
WHITE CLOUD	1 50	11.00
TRIUMPH	1.50	11.00
SPORT (Guardian Angel)	1.50	11.00
MARQUIS	1.50	11.00

QUEEN LOUISE, $4.50 per 100; $40.00 per 1000.

All Rooted Cuttings sold under express conditions that if not satisfactory when received they are to be returned immediately, when money will be refunded.

WIETOR BROS., 51 WABASH AVENUE, CHICAGO.

Successful Growers

Know that they can dispose of all their Surplus Stock by advertising in the American Florist. TRY IT NOW.

Rooted Cuttings For 1902 Now Ready

ROSES AND CARNATIONS.

Clean stock, well rooted, free from diseases. Satisfaction guaranteed.

CARNATIONS.

	Per 1000		Per 1000
Mrs. Lawson	$35.00	Ethel Crocker	$12.50
Egypt	25.00	White Cloud	12 50
Hoosier Maid	25.00	Peru	9.00
The Marquis	12.50	Crane	12.50
Genevieve Lord	12.50	Mrs. Bradt	12.50
Guardian Angel	12.50	Chicago	12.50
Frances Joost	12.50	America	12.50
Evanston	12.50	Helen Keller	12.50
Melba	12.50	Mrs. Ine	12 50
Scott	12.50	Portia	9.00

ROSES.

	Per 1000		Per 1000
Maids	$12 50	Golden Gates	$12 50
Brides	12.00	LaFrance	12.50

ROSE PLANTS.

	Per 1000		Per 1000
Maids	$25.00	Golden Gate	$25.00
Brides	25.00	LaFrance	25.00

JOHN BROD, Niles Center, Ill.

CHICAGO OFFICE, 349 W North Avenue.

Estelle Carnation Cuttings.

all sold for Feb. delivery, booking orders for March and later delivery, place your order at once, as they are selling fast. If cuttings are not satisfactory when you receive them return at once and I will refund your money.

$6.00 per 100; $50.00 per 1000

WILLIAM MURPHY,
Wholesale Carnation Grower.
Station F. CINCINNATI, OHIO.

"If you are still looking for a PROFITABLE"
HIGH GRADE

White Carnation

Don't fail to call and see, or investigate the

Gov. Wolcott.

Orders booked now will be filled in strict rotation, commencing Jan. 1st, 1902, and as fast thereafter as stock is ready. Rooted Cuttings from sand, $10 per 100; $40 per 500; $80 per 1000. Send P. O. Money Orders on Norwood, Mass.

Peter Fisher, Ellis, Mass.

SYLVIA A NEW WHITE *CARNATION.*

As a free and continuous bloomer it beats anything we have ever grown; flowers average 2½ to 3 inches in diameter.

ROOTED CUTTINGS NOW READY,
$8.00 per 100; $75 00 per 1000.

WOODFALL BROS., Glen Burnie, Md.

Mrs. Fisher

Carnations in 2-in. for Summer Blooming, have a few thousand to spare. Orders filled in rotation. Ready to go out Feb. 1. Write

GEO. A. KUHL, PEKIN, ILL.

CARNATION CUTTINGS

WELL ROOTED, HEALTHY STOCK, READY NOW.

	Per 100	Per 1000		Per 100	Per 1000
HIGINBOTHAM	$12.00	$100.00	FRANCES JOOST	$ 1.00	$ 7.50
MRS POTTER PALMER	12.00	100.00	CERISE QUEEN	1.00	7.50
PROSPERITY	5.00	40.00	ETHEL CROCKER	1.25	10.00
NORWAY	5.00	40.00	TRIUMPH	1.25	10.00
IRENE	5.00	40.00	FLORA HILL	1.25	10.00
LAWSON	3 00	25 00	WHITE CLOUD	1.25	10.00
SON HOMME RICHARD	3.00	25 00	PERU	1.00	7.50
HOOSIER MAID	3.00	25 00	AMERICA	1.50	12 50
CRANE	1.25	10.00	MRS. L. INE	1.50	12.50
THE MARQUIS	1.25	10.00	CHICAGO	1.75	15.00
GENEVIEVE LORD	1.25	10.00	MRS. BRADT	1.75	15.00
ARGYLE	1.00	7 50	ARMAZINDY	1.25	10.00
GUARDIAN ANGEL	1 25	10.00	MORNING GLORY	1.75	15 00
			EVANSTON	1.00	7.50

ROSE PLANTS.

2¼-in. pots.	Per 100	Per 1000	2¼-in. pots.	Per 100	Per 1000
BRIDESMAID	$3.00	$25.00	PERLE	$3.00	$25.00
BRIDE	3.00	25.00	GOLDEN GATE	3.00	25.00
KAISERIN	3.00	25.00	METEOR	3.00	25.00

ROOTED ROSE CUTTINGS.

Bridesmaid	per 100, $1.50; per 1000, $12.50	Golden Gate	per 100, $1.50 per 1000, $12.50
Bride	per 100, 1.50; per 1000, 12.50	Perle	per 100, 1.50; per 1000, 12.50
Meteor	per 1 0, 1.50; per 1000, 12.50		

All Plants and Rooted Cuttings sold under express conditions that if not satisfactory when received they are to be returned immediately, when money will be refunded.

Write for prices on large quantities.

Peter Reinberg, 51 Wabash Ave., Chicago

ROOTED CUTTINGS

CARNATIONS.

	Per 100	Per 1000		Per 100	Per 1000
MRS. POTTER PALMER	$12.00	$ 00.00	MRS. JOOST	$1.00	$7 50
MRS. HIGINBOTHAM	12.00	100.00	WHITE CLOUD	1.25	10.00
PROSPERITY	6.00	50.00	EVANSTON	1.00	7 50
QUEEN LOUISE	5.00	40.00	MRS. INE	1.00	7 50
NORWAY	5 00	40 00	WM. SCOTT	1.00	7.50
IRENE	4 00	35.00	GENEVIEVE LORD	1.25	10.00
MRS. LAWSON	4.00	35 00	ETHEL CROCKER	1.25	10.00
MARQUIS	1.25	10.00	GUARDIAN ANGEL	1.25	10.00
G. H. CRANE	1.25	10.00	ARGYLE	1.00	7.50
FLORA HILL	1.25	10.00	AMERICA	1.25	10.00

ROSES.

	Per 100	Per 1000
METEOR	$1 50	$12 00
PERLE	1.50	12.00
BRIDE	1.50	12.00

ROSES.

	Per 100	Per 1000
BRIDESMAID	$1.50	$12.00
GOLDEN GATE	1.50	12.00

ROSE PLANTS from 2½-in. pots.

	Per 100	Per 1000		Per 100	Per 1000
METEOR	$3 00	$ 5 00	BRIDESMAID	$3.00	$25.00
PERLE	3.00	25.00	GOLDEN GATE	3 00	25.00
BRIDE	3 00	25.00	KAISERIN	3 50	30 00

The above named stock is clean, well rooted and free from disease.

GEO. REINBERG, 51 WABASH AVENUE, CHICAGO.

CRESSBROOK. The coming Pink Carnation for everybody to grow.

Baltimore, Feb. 21, 1901, it scored 94 Points, the highest of any seedling. Cressbrook has never shown disease of any kind and is an extra free bloomer. Size of flowers under ordinary culture, 3 to 3½ inches.

Orders will be delivered in rotation on and after Jan. 1, 1902, at the following prices:

12 plants	$ 1.50	250 plants	$25.00
25 plants	3.00	500 plants	37 50
50 plants	5.00	1000 plants	75.00
100 plants	10.00		

C. WARBURTON, FALL RIVER, MASS.

Cressbrook may be seen growing at

THE E. G. HILL CO'S., Richmond, Ind., and at WM. NICHOLSON'S, Framingham, Mass.

Successful Growers are Wanted

To know that they can dispose of all their surplus stock by advertising in the American Florist. TRY IT NOW.

Lowell, Mass.

JANUARY BUSINESS NOT HEAVY BUT PROSPECTS GOOD.—STOCK EXCELLENT AND SELLING WELL.—FLORIST SUES A COPPER MAGNATE.

January business has not been what we could call brisk. There has been plenty of funeral work but in more than one case it was requested that there should be no flowers, which is not at all pleasant to read when stock is accumulating. The rose supply is better than it has been for a long time, better heads and stronger stems, and prices range from $1 50 to $3 per dozen for Brides and Bridesmaids. Meteors of late have been poor. Perle and Sunset sell well. Carnations are plentiful and some very fine blooms are to be seen. A great many "kicks" have been registered during the past month, on account of carnations going to sleep. Customers buy good fresh stock one day and telephone the next that they are asleep. Violets are now as good as one could wish and bulbous stock is fairly abundant. Greens are in good supply. Patten & Co., of Tewksbury, have fine Asparagus Sprengeri. E. N. Price & Sons, of Waverley, are sending extra lilies and mignonette. Plants are in great demand and Boston fern short of requirements.

One thing that is interesting the local florists at present is that one of them has brought suit against a wealthy "copper king" for a flower bill of $300, which the latter says is excessive. A M.

Dallas, Tex.

We are having an extremely dry spell here and the dust has been terrible for the last few weeks. Water is very scarce and we hope rain will come soon. The Texas Seed and Floral Company is settled down in its new store, corner of Elm and Ervay streets. They have the largest and best arranged seed store in the south. Space 25x100 is devoted to the retail department and 50x100 two stories in the rear is devoted to the wholesale seed department, where they have a switch for unloading cars. They have also bought out the Southern Floral Company and are growing a large stock of plants for catalogue trade. Roses will be the specialty and these will be grown both for the wholesale and retail trade. They have over 10,000 American Beauties in the field now beside a large stock of other varieties. Carnations and other stock are being grown under glass for their store trade. Dallas is rapidly coming to the front as a plant and cut flower center. SOUTH.

CRESTON, IA.—E. H. Stahl has sold a half interest in his business and the firm is now McGregor Bros. & Stahl.

CARNATIONS

Rooted Cuttings of all the new 1902 and best standard varieties. Send for price list.

WILLIAM SWAYNE,
BOX 226. KENNETT SQUARE, PA.

CARNATIONS

NOVELTIES FOR 1902.

J. H. MANLEY, SCARLET,
HARRY FENN, HARVARD CRIMSON,
VIOLA ALLEN, VARIEGATED.

Send for Descriptive Catalogue.

THE COTTAGE GARDENS, Queens, N. Y.

Please mention the American Florist when writing.

IVORY or WHITE Golden Gate.

The easiest, freest bloomer and most profitable white rose to grow. 20,000 plants out of 2-inch pots. February, March and April delivery.

$6.00 PER 100; $27.50 PER 500; $50.00 PER 1000.

Our stock of **Ivory,** or White Golden Gate, **Was Purchased** from the American Rose Co., of Washington, D. C., last February and March, and is **guaranteed** to be **true stock.** If they or their Agents make any statement to the **contrary it is an untruth.**

W. A. HAMMOND, 107 East Broad Street, RICHMOND, VA.

CARNATION Cuttings.

Selected Stock, 400,000 Now Ready.

	Per 100	Per 1000		Per 100	Per 1000
MRS. T. W. LAWSON	$4 00	$35 00	WHITE CLOUD	$1.50	$12.50
SUNBEAM	3.00	25 00	JUBILEE	1.50	12.50
BON HOMME RICHARD	3 00	25.00	MAYOR PINGREE	1.50	12 50
G. H. CRANE	2.00	15.00	GLACIER	1.50	12.50
AMERICA	2.00	15.00	MRS. F. JOOST	1.50	12.50
ETHEL CROCKER	2.00	15.00	GEN. GOMEZ	1.50	12.50
GENEVIEVE LORD	1.50	12.50	TRIUMPH	1 50	12.50
FLORA HILL	1.50	12.50	DAYBREAK	1.50	12.50

Terms:—CASH OR SATISFACTORY REFERENCE. Address

H. W. BUCKBEE, ROCKFORD, ILL.

Forest City Greenhouses. Rockford Seed Farms.

ROOTED CUTTINGS

Roses and Carnations.

ALL THE LATEST VARIETIES.

Write for Prices.

HOLTON & HUNKEL CO., Milwaukee, Wis.

NEW CARNATION

RUBY KING

Just what we have all been looking for. A dazzling cerise; much more so than Tidal Wave. Always in bloom, strictly non-cropper. No disease—anybody can grow it. Average flowers 3 inches; stem very stiff and wiry; fine keeper; can be planted quite close. Flowers fringed and high built, resembling Flora Hill. Only a very limited number will be sent out this year. $1.25 per doz. by mail; $8.00 per 100.

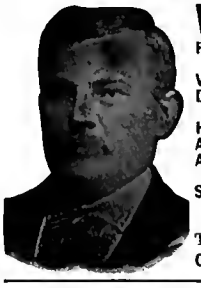
LAMPRECHT BROS., ASHLAND, O.

Please mention the American Florist when writing.

ROOTED CUTTINGS OUR SPECIALTY—**Geraniums** from 2¼-inch pots, named, $2.50 per 100; $22.00 per 1000. **Verbenas,** all standard named kinds, 60c per 100; $5.00 per 1000. **Heliotrope,** 14 named varieties, $1 00 per 100; $8.00 per 1000. **Petunias,** 24 varieties, $1 25 per 100. **Salvias,** 5 varieties, $1.00 per 100. **Ageratums,** 5 varieties, 60c per 100. **Coleus,** 34 varieties, 60c per 100; $5.00 per 1000. **Alyssum,** $1.00 per 100. **Feverfew,** $1.00 per 100. Express prepaid on all Rooted Cuttings. Satisfaction guaranteed. Cash with order. Write—

S. D. BRANT, CLAY CENTER, KAN.

Please mention the American Florist when writing.



VERBENA KING

Rooted Cuttings now ready. Express prepaid.

	100	1000
Verbenas, named,	$ .60	$5.00
Daisies, white and yellow	1.00	8.00
Heliotrope, 12 var.	1.00	6.00
Ageratum, best var.	.60	5.00
Alternanthera, red and yellow	.60	5.00
Salvias, 4 best vars. named, Rooted Cuttings	1.00	8.00

That cash or C. O. D.

C. Humfeld, Clay Center, Kas.

Orchids!

Arrived in fine condition Cattleya Dowiana, Trichopilias in variety, Warscewiczella Aromatica and W. discolor, Pescatorea Cerina, Odontoglossum Crispum Majus, O. Kramerii and O. Schlieperianum.

LAGER & HURRELL, SUMMIT, N. J.

Orchid Growers and Importers.

Please mention the American Florist when writing.

Carnations.

ROOTED CUTTINGS.

All the very best stock, healthy and well rooted. Early orders will be furnished from sand; later orders from cuttings transplanted into flats at same rate. **Stock marked * now ready in flats.**

	Per 100	Per 1000
General Maceo	$ 1.75	$ 15.00
Mrs. F. Joost	1.75	15.00
White Cloud	1.75	15.00
Wm. Scott	1.75	15.00
Flora Hill	1.75	15.00
America	2.00	15.00
Daybreak	1.75	15.00
Ethel Crocker	1.75	15.00
G. H. Crane	2.50	20.00
Triumph	2.00	18.00
Guardian Angel	1.75	15.00
*Genevieve Lord	2.50	20.00
*Marquis	2.50	20.00
Mrs. G. M. Bradt	3.00	25.00
Chicago	3.00	30.00
Gold Nugget	3.50	30.00
*Morning Glory	3.00	25.00
Irene	5.00	40.00
Lorna	5.00	40.00
*Mrs. T. W. Lawson	5.00	40.00
*Queen Louise	5.00	45.00
*NORWAY, Best white	5.00	45.00
*Prosperity	6.00	50.00
Governor Roosevelt	6.00	50.00
*ESTELLE, Grand scarlet	6 00	50 00
Dorothy	6.00	50.00
Cressbrook	10.00	75.00
Enquirer	12.00	100.00
Mrs. Potter Palmer	12.00	100.00
Mrs. Higinbotham	12.00	100.00
Mrs. E. A. Nelson	10.00	80.00

We have the finest stock of ESTELLE and NORWAY in the Country and can supply in large quantities.

CANNAS.

Strong, Dormant, Two Eyed Roots.

	Per 100	Per 1000
Allemania	$3 00	$25.00
Burbank	3.00	25 00
Exp Cramphell	3.00	25.00
Florence Vaughan	4.00	35.00
Mlle. Berat	3 00	25 00
Paul Marquant	3.00	25.00
Pres Carnot	2.50	20.00
Mixed all colors	1.75	10.00

Largest stock in United States of other choice cannas true to name. Write for prices.

VAUGHAN'S SEED STORE,

NEW YORK: 14 Barclay St. **CHICAGO:** 84-86 Randolph St.

Greenhouses, Western Springs, Ill.

CARNATIONS

Well rooted, clean, healthy stock. Early struck cuttings make best plants.

	100	1000		100	1000
Roosevelt	$6.00	$50.00	Maceo	$2 00	$17.50
Prosperity	6.00	50 00	Bradt	2.00	17.50
Estelle	6 00	50.00	Glacier	2 00	17 50
Lorna	6.00	50 00	White Cloud	1.50	12 50
Norway	5.00	40 00	Flora Hill	1.50	12 50
Dorothy	5.00	40.00	Joost	1.50	12.50
Irene	5 00	40.00	E. Crocker	1.50	12.50
Lawson	4.00	35.00	America	1.50	12.50
Marquis	2.50	20.00	G. Lord	1.25	10.00
M. Glory	2 50	20.00	Triumph	1.25	10.00
Gomez	2 00	17.50	Scott	1.00	8.00
			Daybreak	1.00	8.00

250 at 1000 rates; 25 at 100 rates. Cash or C. O. D.

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

Carnation LAWSON

ROOTED CUTTINGS. No. 1 clean, healthy stock, $3.50 per 100; $35.00 per 1000, Cash. Send for sample. Money returned if not as represented.

FREO J. KING, OTTAWA, ILL.

Roses

We grow following varieties: Meteors, Brides, Maids, Kaiserins, Perles, Beauties, Liberty, Golden Gate, La France, Belle Siebrecht. Have them in rooted cuttings and 2x2½-in. pots. Write us your wants and see what we can do for you.

Send $1.00 for samples.

GEO. A. KUHL, PEKIN, ILL.

THE GRANDEST NEW FORCING ROSE

Souvenir de Pierre Notting

The Best, The Finest, The Most Free Blooming of all Forcing ROSES, color deep yellow; will be distributed for the first time April, 1902

—— BY THE RAISERS ——

SOUPERT & NOTTING,

ROSE GROWERS.

LUXEMBOURG, (Europe).

Net price, $80.00 per 100; $1.00 each. Write for lithographs.

New Rose for 1902.

MRS. OLIVER AMES.

For description, prices, etc., see advertisement in this paper January 4th, 1902.

What the leading Wholesale Florists of the different cities say of this Rose:

Mr. H. H. Battles, of 108 South 12th St., Philadelphia, Pa., writes under date of Nov. 23, 1901:

DEAR MR. MAY:—The Mrs. Oliver Ames is beautiful We have given it the place of honor in our shop and shall take much pleasure in showing it to others. I was unfortunate in not seeing it at our late show, but heard it spoken of in very complimentary terms. Yours very truly, H. H BATTLES.

JOHN N. MAY, Summit, N. J.

Am. Beauties

ROOTED CUTTINGS

$25.00 PER 1000.

This stock is free from spot, thoroughly rooted and first class in every respect. If not satisfactory or just as represented by us you can return same at once.

J. A. BUDLONG, 37 and 39 Randolph St., CHICAGO, ILL.

NEW CARNATIONS

	Doz.	100	1000
CRESSBROOK	$1.50	$10.00	$75.00
MRS. E. A NELSON	2.00	10 00	80.00
FAIR MAID	2.00	10.00	75.00
GAIETY	1.50	10 00	75.00
J. H. MANLEY	2.00	12.00	100.00
HARRY FENN	2.00	12 00	100.00
VIOLA ALLEN	2 00	12.00	100 00
NORWAY		6.00	50.00
FLORIANA		6.00	50.00

Chrysanthemums.

We offer all of the new varieties of 1902; also the best of 1901. A large number of last year's novelties and leading standard varieties ready now, from 2½-inch pots. Send for List.

Correspondence solicited.

H. WEBER & SONS, OAKLAND, MD.

Please mention the American Florist when writing.

California Carnations.

Our cuttings are rooted without fire heat and are strong, hardy and well rooted. They are so far superior in every way to cuttings rooted by fire heat that they should not be mentioned in the same connection. We guarantee safe arrival and satisfaction.

	Per 100	Per 1000
QUEEN LOUISE, white	$4.00	$30.00
MERMAID, fine salmon pink	3.00	20.00
G. H. CRANE, scarlet	1.50	12.00
MRS. F. JOOST, fine pink	1.00	8 00

Giant of California Pansy Plants, 50c per 100; $2.50 per 1,000. Giant of California, transplanted plants, $5 per 1000—100 sent at 1000 rates.

TERMS CASH WITH ORDER.

THE LOOMIS FLORAL CO.,

LOOMIS, CALIFORNIA.

Please mention the American Florist when writing.

Springfield, Mass.

TRADE GOOD AND STOCK IN EQUAL SUPPLY. —BULBOUS STOCK PLENTIFUL —PERSONAL NOTES OF INTEREST.

The weather has been ideal during the past week, clear and just cool enough to keep stock moving nicely. Business is good, with an adequate supply of stock Tulips, freesias and daffodils have made their appearance, but the latter are not very good. All the stores are showing good plants of azaleas, cyclamens, primroses and cinerarias, which sell well. Fern balls are offered and move fairly well. There has been a good call for design work. Mark Aitken did four decorations this week; they were more elaborate than the past season's, showing that we are gaining every year.

Lilies are badly diseased again this year and quite a number have been thrown out. It looks as though it will take some hustling to bring the balance in on time.

Mrs. Frank Burfitt, who has been sick for a long time, underwent an operation January 22, and is doing nicely.

Mr. Taylor has resigned his position with the Murphy Company.

Mark Aitken is smiling these days. It's a daughter. A. B.

Minneapolis.

TRADE BRISK AND STOCK IN SHORT SUPPLY —CARNATIONS MUCH IMPROVED IN QUALITY AND QUANTITY.

Last week's trade was exceedingly good, the demand being greater than the supply, especially for roses, which commanded $9 per hundred. Beauties are scarce, although the demand for them has not been above the average. Violets are plentiful and in fair demand. Romans cannot be secured at all. Some fine carnations are now appearing, commanding a good price. Smilax and adiantum have been in great demand on this market and there does not seem to be enough of these goods.

Many of the trade have issued their annual calendars. Swanson, Lynes, E. Nagel & Co., and Holm & Olson, of St. Paul, sent out the choicest. One from L. P. Lord, of Owatonna, is worth a place with the best.

C. C. Hunter, representing the Jewel Nursery Co., of Lake City, is canvassing the city and reports an active business. C. F. R.

LENOX, MASS.—The range of new greenhouses being erected by Hitchings & Company on the W. D. Sloane estate will be finished by April 1, twenty-three houses in all, and with the exception of the Gould conservatories, Tarrytown, will, it is said, constitute the largest range of private greenhouses in this country.

REMEMBER you can get our Standard Brands of Wild Smilax and other Greens from such people as J. B. Deamud, Chicago. H. Bayersdorfer & Co., Phila. L. J Kreshover, N. Y. City. Vail Seed Co., Indianapolis. Ed. Reid, Philadelphia. J. M. McCullough's Sons, Cincinnati, O. Michigan Cut Flower Exchange, Detroit, Mich. or direct from us.

A FULL SUPPLY CONSTANTLY ON HAND.

Caldwell The Woodsman Co., Evergreen, Ala.

BEAUTIFUL
LONG NEEDLE PINE BOUGHS

60c per doz. by registered mail, for short time only. Cash must accompany all orders.

T. W. CAPPS, Andalusia, Ala.

Ref.: A. Whaley, Att'y at Law and Reg. in Chancery, Andalusia, Ala.

CHRYSANTHEMUMS

NOTE SHOW SCHEDULE OF NEW YORK FLORISTS' CLUB IN THIS PAPER, PAGE 23.

We can supply **Varieties for all Entries,** including the **Ostrich Plume, Anemone** and **Pompon** Sections.

We have the **Largest Collection in America.**

Complete descriptive catalogue on application.

NATHAN SMITH & SON, ADRIAN, MICH.

Galax Leaves 30 W. 29th Street The Kervan Co. THE EVERGREEN SPECIALISTS OF N. Y. CITY.

"MIKADO" FERN BALL

Start a number of them now. They sell like "Hot cakes" when in leaf. We are headquarters for

Selected Balls.

See front cover for prices.

Vaughan's Seed Store

84-86 Randolph St., CHICAGO.
14 Barclay Street, NEW YORK.

Please mention the American Florist when writing

FANCY or DAGGER FERNS $1.25 per 1000.

GALAX, green or bronze, 75c per 1000. Laurel festooning, 4c, 5c and 6c per yd. Once used, always used for decorating. SPHAGNUM MOSS, etc., etc.

Telegraph Office New Salem, Mass.

CROWL FERN CO., P. O. Millington, Mass.

Galax Leaves, Etc.

	Per 1000
Choice Bronze and Green, medium size	$ .50
Choice Bronze and Green, large size	.55
Choice Leucothoe Sprays	3.00
Choice Fancy and Dagger Ferns	.75
Choice Rhododendron Leaves	.50

Largest dealer on earth. Cash with first order.

J. N. PRITCHARD, ELK PARK, N. C.

Please mention the American Florist when writing

CALDWELL'S

Wild Smilax

50 LB. CASE	$6.00
35 LB. CASE	4.50
25 LB. CASE	3.50

Galax—Galix —Galox—

Brilliant bronze or green, assorted sizes. $1.00 per 1000.

Leucothoe Sprays,	$1.00 per 100
Fancy Fern,	1.50 per 1000
Dagger Fern,	1.25 per 1000

SMALL GREEN GALAX FOR VIOLETS, $1.00 per 1000.

Laurel Roping, 6 cts., 8 cts. and 10 cts. per yard.

All other green goods in season.

WRITE, TELEPHONE OR TELEGRAPH.

HARRY A. BUNYARD,
38 West 28th Street,
Phone, 798-799 Mad. Sq. NEW YORK CITY.

L. J. KRESHOVER,
(SUCCESSOR),
110-112 W. 27th Street, NEW YORK.
Phone 597 Madison Square.

HEADQUARTERS FOR..... **Green Goods**

Where you never get disappointed. We always have the stock on hand and of the best quality.

FANCY and DAGGER **Ferns,** $1.50 per 1000.

Discount on large orders.

BRILLIANT BRONZE AND GREEN GALAX, 75c per 1000 in 5000 lots. Satisfaction guaranteed.

SELECTED SOUTHERN WILD SMILAX, $4 and $7 per case. Also LAUREL FESTOONING, good and full, 4c, 5c and 6c per yard.

Orders by Mail Telephone or Telegraph promptly attended to.

HENRY M. ROBINSON & CO.,
32-34-36 Court Sq., BOSTON, MASS.

Galax AND Leucothoes.

Selected, Bright and Brilliant.
Wholesale Trade Solicited.....

J. L BANNER & CO., Montezuma, N. C.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

KENTIA FORSTERIANA, 5½ to 6-in. pots, 30 to 36 inches high, 75c, $1, $1.25 each
RUBBERS 6-in., from $3 to $4 per doz.
ORACAENA BRUANTI, 6-in. pots, 25 in. high, 60c.
INDIVISA, (imported,) 7-in. pots, very large, $1.
BOSTON FERNS, from 15c to 25c.
GERANIUMS, 2½-in. pots, white, pink and red, $3 per 100 (cuttings rooted in bed).

I have an immense stock of **AZALEA INDICA**, last fall's importation for Easter blooming. 2000 **MME. VANDER CRUYSSEN** alone small plants 5-in. pots, 40c to 50c; larger plants in 6 to 7-in. pots, 75c, $1 to $1 25. Specimen, 10 to 11-in. pots, $3 to $3 50 each. Other leading varieties, such as Bernard, Andre Alba, (white,) Prof. Wolters, Princess of India and 10 other kinds, 6-in. pots, 50c, 60c, 75c and $1 each. Have now in bud and bloom a lot of small ones, 5-in. pots, Deutsche Perle and Simon Mardner, only 40c.

HYDRANGEA OTAKSA, 4-in. dormant sound plants, $8 per 100; in bud now for Easter, 6-in. 35c to 50c.; 7-in., 75c, very strong.

WHITE DAISIES for Easter blooming, 4, 5 to 6-in. pots, $1, $2 and $3 per doz; yellow, large plants, 6-in. pots, $2.50 to $3 per doz.

Also **LILIUM HARRISII** in fine condition, 6-in. pots, 30c, 40c to 50c each (7 to 9 bulbs) for Easter blooming

CINERARIAS, from 6-in. pots, $2 to $3 per doz.
BEGONIA PRES. CARNOT and **SEMPERFLORENS GIGANTEUM**, 6-in., $2 to $3 per dozen. All other varieties, 4-in., $1 per doz.
UMBRELLA PLANTS, 5-inch, $2 per doz.

All goods must travel at purchaser's risk only.
To save express state if pots are wanted.
Cash with order please.

GODFREY ASCHMANN,
Importer and Wholesale Grower of Pot Plants. 1012 Ontario Street, PHILADELPHIA, PA.

GERANIUMS.

Mme. Salleroi, rooted cuttings, 80c per 100; $7.50 per 1000. 2 or 2½-inch Mme. Salleroi, $1.50 per 100; $14.00 per 1000. 2½-inch S. A. Nutt, $2 25 per 100; 4-inch S. A. Nutt, $6 00 per 100. 4-in. Golden Dawn, double, best yellow, shade of red. $6.00 per 100. 5-inch Peter Burnett, double clear flesh pink, healthy, full of points for cuttings, $1.50 per doz.; $10.00 per 100. Stock plants from bench, strong, healthy plants, at least 10 points for cuttings on each plant, to make room, $1.50 per doz.; $10 per 100.

Lettuce Plants from seed bed, Grand Rapids, Boston, Big Boston and other varieties, 15c per 100; $1 00 per 1000. Express paid on lettuce plants. CASH.

Des Moines Plant Co.,
38th St., DES MOINES, IOWA.

Boston Fern

Strong young plants from bench, $1.50 per 100; from 2½-inch pots, $2.50 per 100; 3-inch pots, $4 00 per 100; 4-inch, $8.00 per 100; 5-inch, $12 per 100.

ALTERNANTHERAS Red and Yellow, strong rooted cuttings, 50c per 100; $4.00 per 1000. From 2-inch pots $1.50 per 100.

CARNATIONS Ethel Crocker, Flora Hill, Argyle, Daybreak and Gen. Maceo, $1 00 per 100; $8 00 per 1000

VERBENAS Best varieties, rooted cuttings, 50c per 100; 2-inch plants, $2.00 per 100.

DAVIS BROS., MORRISON, ILL.

GET THE NEW
ASPARAGUS COMORENSIS.
It grows much faster than any other variety.
Strong plants from 3-inch pots, $10.00 per 100.
" " " 2½-in. pots, 5.00 per 100.
C. EISELE, 11th & Jefferson Sts., PHILA.

Boston Ferns.

Don't forget that we have them in all sizes, 2½, 3, 4, 5, 6, 7, 8 and 10-in. They are Beauties. Order a sample lot. You will want more of them.

GEO. A. KUHL, Pekin, Ill.

CYCLAMENS, 4-inch, $8.00 per 100. Azaleas, best sorts, 10 to 12-inch, $30.00 per 100. Calceolarias, 2¼-inch, $3.00 per 100; 200 for $5.00. Cinerarias from London Prize Show Flowers, 3-inch, $3.00 per 100; 4-inch, $6.00 per 100.
WHITTON & SONS, City and Green Sts., Utica, N. Y.

FOR PALMS, FERNS,
Fern Balls, Perpetuated Cycas Leaves and Plants,
ADDRESS THE
GEO. WITTBOLD CO.
1657 Buckingham Pl., Chicago.

Please mention the American Florist when writing.

ROOTED CUTTING LIST.

NOW READY FOR SHIPMENT.

	Per 100	Per 1000
Ivy Geraniums, 12 varieties	$1.50	$13.00
Rosea, Bride and Maid	1.25	11.00
Marguerites	.75	6.00
Heliotrope, 4 varieties	.60	5.00
English Ivy	2.00	18.00
German Ivy	.60	5.00
Pyrethrum, double white	1.00	8.00
Vinca variegata	1.00	8.00
Geraniums, 5 best bedders	1.25	10.50
" Mme. Pollock	2.00	18.00
" Happy Thought	2.00	18.00
" Rose, Lemon, Nutmeg, &c.	2.00	18.00
" Mme. Salleroi	1.00	8.00
Achyranthes, 4 varieties	1.00	8.00
Salvia, 4 varieties	.60	5 50
Ageratum, 6 varieties	.60	5.00
Alternanthera 4 varieties	.75	6 00
Fuchsias, 3 varieties	1.25	10.00
Abutilona, 12 varieties	2.00	18.00
Petunias, double, 65 vars. named	1.50	12.00
Petunias, double, not named	$1.25	$10.00
Coleus, 75 varieties, named	.75	6.00
" not named	.60	5.00
" Verschaffeltii, red	.60	4.50
" " golden	.60	4.50
" Golden Bedder	.60	4.50
" Brilliancy	8 00	

Boston Ferns Strong, bushy, well grown stock for immediate shipment.

	Per 100	Per 1000
2¼-inch pots	$2.50	$22.00
2½-inch pots	2.00	28.00
3 -inch pots	6.00	55.00
4 -inch pots	15.00	140.00
5 -inch pots	25 00	

PTERIS TREMULA, 2¼-inch pots, per 100, $2 00; 2½-in. pots, per 100, $3.00; 3-in. pots, per 100, $5.

For list of varieties see AMERICAN FLORIST of Nov. 9. If wanted by mail add 15c per 100. Samples by mail 25c.

☞ All the above sold on the positive guarantee of its being first-class, if not, your money at once refunded.

JOHN IRVINE & SONS, Bay City, Mich.

Boston Ferns.

2½-inch, 3c; 3-inch, 8c; 6 inch, 35c; 8 and 9-inch, $1.00.

Nephrolepis Wittboldii, strong, 4-inch, 25c; 5-inch, 50c; 6-inch, 75c.

Cycas Revoluta, 50c to 75c.

Asparagus P. Nanus, 2½-inch, $3 50 a 100.

BEGONIAS—A. Guttata. Thurstonii, 2½-in. 40c a doz., large plants, ready for 4s, 5c. Starr and Feastii, 5c.

Russelia Multiflora, 2½-in. 4c; 40c a doz.

Vinca Major, 2-in., strong, 3c.

CASH PLEASE.

A. J. BALDWIN, NEWARK O.

New Geraniums FOR 1902

"J. D. Eisele," single, pure wine red. A zonale of most brilliant and new coloring, a splendid bedder, producing an abundance of large trusses.

"James Davidson," single, lavender lilac, a color which has never before been approached, shows almost a distinct blue color evenings. Trusses very large, a fine novelty. 35c each; $3.00 per dozen.

Novelties of former years, assorted and labeled, at $6.00 per 100. Cash please.

HENRY EICHHOLZ, Waynesboro, Pa.

ROBT. CRAIG & SON,
Roses, Palms
and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa.

Please mention the American Florist when writing.

Geraniums

An assortment of twenty varieties, all good sellers and all correctly labeled. Rooted cuttings at $12 50 per 1000. Not less than 25 of one sort will be given in the same order.

JEAN VIAUD and M. De CASTELLANE, two exceptionally fine novelties from 2-inch pots, at $5 per 100 or $30 per 1000.

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Wyncote, Pa., Grower of
FINE PALMS.
For Price List see AMERICAN FLORIST Oct. 19, page 403.

A SPECIALTY
Boston Ferns.
Cut from bench at $25 and $5 per 100.
KENTIAS, CYCLAMENS, ASPARAGUS PLUMOSUS NANUS, FICUS. Very fine stock.
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San Francisco.

HORTICULTURAL SOCIETY VOTES TO ASSIST IN A SPRING EXHIBITION.—TRADE NOW ON SATISFACTORY LEVEL.

At a recent meeting of the Pacific Coast Horticultural Society it was decided to if possible hold a spring show in co-operation with the California State Floral Society and divide profits if there are any. As the younger society has all the nurserymen and florists and growers of San Francisco and vicinity as members, the older society should be only too glad to make any kind of fair arrangement to secure this aid. The following gentlemen were appointed on the exhibition committee: H. Plath, Wm. Eldred, F. Cleis, Jos. Thompson, Thos. Munroe, W. Bagge and C. Abraham. It was also decided to change one meeting night to the first Saturday of each month to give parties outside the city a chance to attend, the other meeting being the third Monday as usual, a considerable increase in membership being expected through this move.

Business was somewhat quiet just after the first of the year but trade has been picking up lately and all good stock is now readily taken up. Most items are rather scarce and prices are back at the level mentioned before Christmas and can be called good. GOLDEN GATE.

Washington.

SOCIAL ACTIVITY MAKES GOOD BUSINESS.—AN EXCELLENT WINTER FLOWERING PLANT.

Thompson's magnifica, the crimson celosia, makes a fine winter flowering plant, from cuttings in summer and grown in a light, temperate house. They last for a long time. At this writing I have some in 4-inch pots about ten inches high in good shape and the crimson plumes are very attractive.

President and Mrs. Roosevelt have set the pace for entertaining this winter and everybody is on the move to keep up with them. J. H. Small & Sons had the decorations for the bachelors' cotillion and for the seventeenth annual banquet of the Gridiron Club. P. G.

GREENFIELD, MASS.—C. A. Jacobs has opened a retail store in the Lamberton building.

TARRYTOWN, N. Y.—On Wednesday evening, January 22, occurred the annual dinner of the Tarrytown Horticultural Society, which was a most successful affair in every respect. There were a number of visitors present from New York city and Poughkeepsie who helped out on the oratory and songs. F. R. Pierson, C. W. Ward, Peter Fisher and C. Warburton contributed a handsome display of carnation blooms.

PANSIES WORTH RAISING

No more small plants for sale for the present.

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50c. per 100. $3.00 per 1000.

GERANIUMS

16 var. fine 2½-in. pots, $3.00 per 100.

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ROOTED CUTTINGS

GERANIUMS.

NOVELTIES: Thos. Meehan, semi-double dark pink; Levi P. Morton, semi-double maroon; Duchess of Orleans, single oriole; Ernest Kellway, semi-double crimson; J. J. Harrison, semi-double scarlet, and Snow Drift, semi-double white; all winners, $2 50 per 100; $22.50 per 1000.

STANDARDS: S. A. Nutt, E. G. Hill, Beaute Poitevine, Frances Perkins, Mme. Jaulin, Mme Bruant, LaFavorite and Mme. J. M. Garr, $2.00 per 100; $18.00 per 1000.

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Our superb collection consisting of twelve novelties selected from Henderson's and Dreer's latest sets. Extra Strong Rooted Cuttings, $1.00 per 100; $10.00 per 1000; $45 per 5000. Henderson's celebrated Sea Foam, $1.50. per 100. Send for our special Geranium List.

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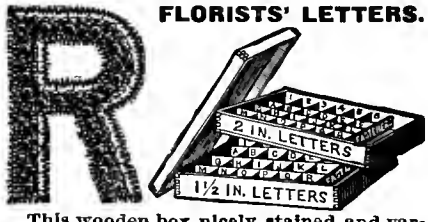

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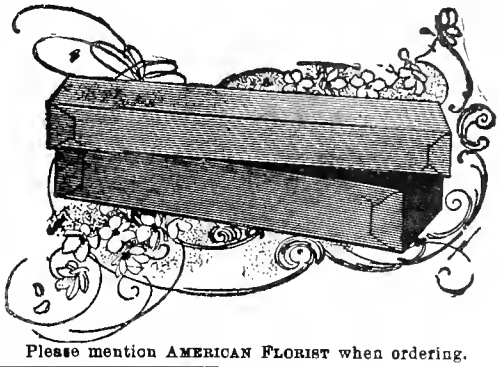
DAYTON, O.



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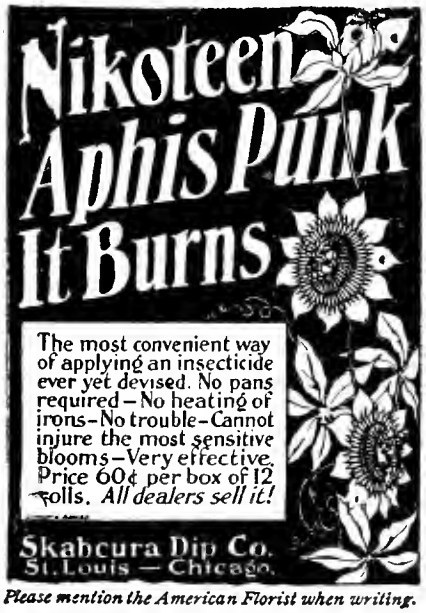

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Syracuse, N. Y.

BULBOUS FLOWERS IN LARGE SUPPLY BUT MOVING SATISFACTORILY. — VARIOUS NOTES OF LOCAL INTEREST.

Bulbous products are coming in rapidly and the quality is very satisfactory. Hyacinths, tulips and narcissi are selling well. The stock of carnations and roses is good. Henry Morris has some special white carnations that sell readily at $2 a dozen. Mr. Morris has a dark red azalea, Apollo, for which he gets as high as $10 each. Mr. Morris will model two sash greenhouses into one modern house and has let the contract for another new greenhouse to the Lord & Burnham Company.

P. R. Quinlan & Company have an abundance of bulbous flowers and have been doing a quantity of funeral work. Last week Manager Wheadon made a large pall of solid violets and violet leaves and fringed with maidenhair ferns. They are filling many orders for table centerpieces with tulips.

Harry G. Lyons, of this city, sued Stephen Whitton, a Utica florist, for malcious prosecution and was granted a verdict of $45. Lyons bought some flowers of the Utica man and gave a check for $28. The check went to protest and Lyons was arrested, but the case did not succeed. A. J. B

Milwaukee.

TRADE GOOD AND STOCK SCARCE.—SWEET PEAS BRING GOOD RETURNS.

Flowers are quite scarce, good roses particularly. The Loefflers, famous violet growers, have made a hit in sweet peas. They have been sending in good sized consignments which have sold at 75 cents a bunch of twenty-five. Whatever those boys do is done well.

The M. A. McKenney Company made a beautiful wreath lately, of mahonia leaves and Meteor roses, that was novel and beautiful, the autumn tints on the leaves blending with the dark roses. C. B. W.

WESTFIELD, MASS.—C. H. Jacobs has opened a down town store on Main street, near the corner of Broad street.

WEST HAVEN, CONN.—A. J. Thompson has a violet sport of a peculiar color. The flower is said to be drab, with a carmine stripe through the center of each petal.

FREDERICTON, N. B.—Miss Ada M. Schleyer has a well ordered establishment of 6,000 feet of glass and is doing a prosperous trade. She recently had a column illustrated writeup in the souvenir edition of the local paper, which was good advertising.

Standard Flower... POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.....

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STANDARD FLOWER POTS!
Packed in small crates, easy to handle.

Pots	Price per crate		Pots	Price per crate	
1500	2-in., in crate,	$4.88	120	7-in., in crate,	$4.20
1500	2¼ "	5.25	60	8 "	3.00
1500	2½ "	6.00	48	9 "	3.60
1000	3 "	5.00	48	10 "	4.80
800	3½ "	5.80	24	11 "	3.60
500	4 "	4.50	24	12 "	4.80
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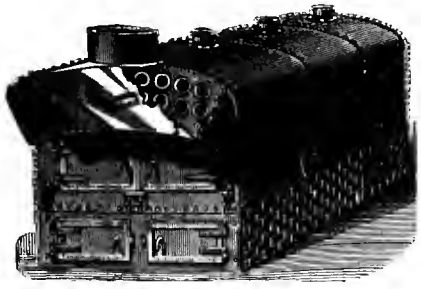

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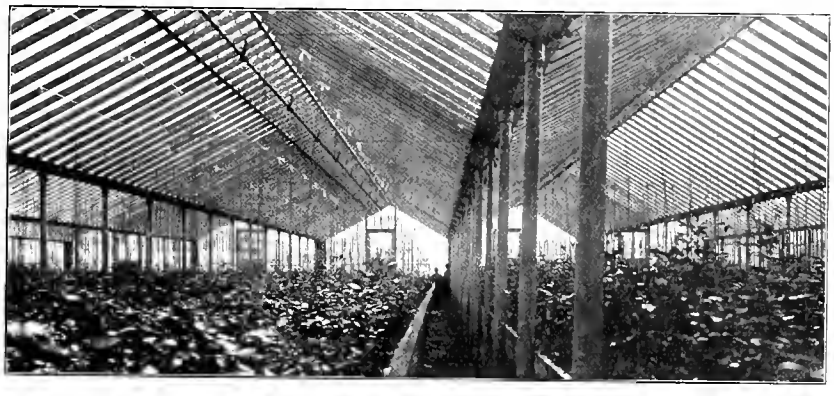

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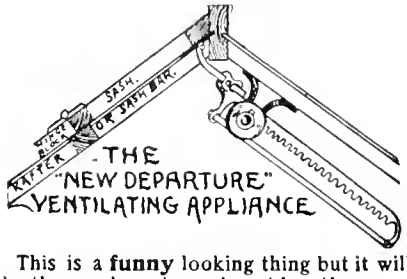

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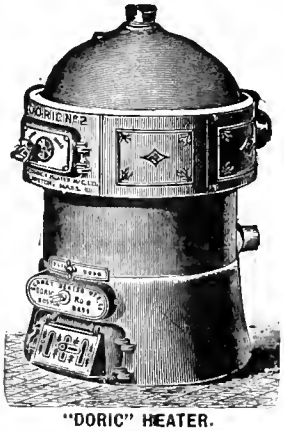

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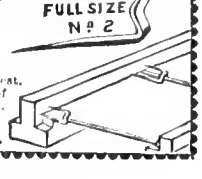

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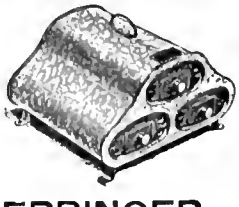

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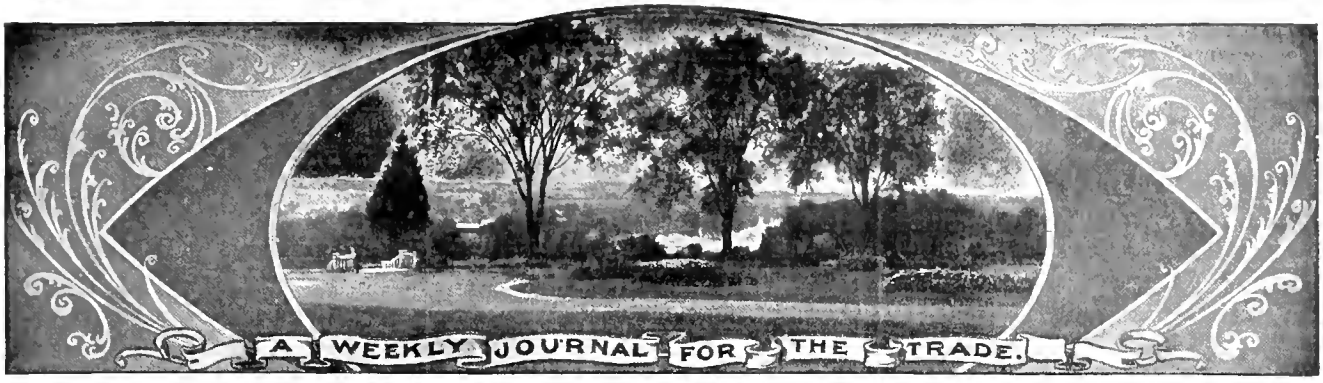

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XVIII. **CHICAGO AND NEW YORK, FEBRUARY 8, 1902.** **No. 714.**

THE AMERICAN FLORIST

SEVENTEENTH YEAR.

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Entered as Second-Class Mail Matter.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS — JOHN BURTON, Philadelphia, Pa., president; J. W. C. DEAKE, Asheville, N. C., vice-president; WM. J. STEWART, 79 Milk Street, Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The eighteenth annual meeting will be held at Asheville, N. C., August, 1902.

AMERICAN ROSE SOCIETY.

Annual meeting at New York, March 11-13, 1902. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Indianapolis, February, 19 and 20, 1902. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Asheville, N. C., August, 1902. Edwin Lonsdale, Chestnut Hill, Pa., Sec'y.

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Specialists for Stock Seed Growing.

Now that Mr. Eckford's catalogue for 1902 puts in its appearance it suggests a very pertinent message for the season. I ask myself how it is that year after year on such a limited piece of ground he can get the same uniform result, and gladden the eye of any visitor with such a display of culinary and sweet peas. Every one sees at Wem the same green forest of trials of culinary peas, a numberless list of sorts, and each row showing its own characteristics at their best—thrifty growth, ambitiously podded, the science of the thing standing right out to prove a progressively intelligent work. While the sweet pea problem is different from the culinary, since a longer season of bloom is the aim, and blossoms rather than podding qualities are the criterion, still at Wem each in its way produces year after year the results that intelligent labor has a right to expect. Mr. Eckford has no such cataclysm of utter failure to paralyze his ambition as we have had in this country. But then, he has his great success with his own well acclimated seed. And I am tempted to warn my English and Scotch friends not to risk their chances on the seductive temptations that have beguiled us to our ruin. There is no reason why we could not have a hundred Eckfords in this country in all parts of our diversified territory, emulating him, competing with him, laying foundation each year for better work the next. And there is every reason why we should now go to work intelligently and bring this desirable and possible thing to pass. And if the difficulties are mastered on the sweet pea it will insure a new era for the whole field of floriculture. The greatest discouragement we have in American floriculture is just this which is illustrated by the collapse of the sweet pea. It has brought us face to face with one of the Sinaitic commandments of natural law. By violating this law we have brought the inevitable upon ourselves.

Just a word of preachment on this law. Nature has distributed its fauna and flora over the earth according to the principle of adaptation. Everything in its native place has a wonderful tenacity of life, and survives in spite of the struggle that nature imposes upon it. We marvel at the vitality of the seed of every wild plant. So, too, this native plant and seed will by virtue of this tenacity of life bear transplanting to other climes and conditions to a considerable extent. As long as we have this primitive quality of tenacity of life and hardihood in our favor we can with many plants almost ignore the question of locality and climate. A few years ago the sweet pea had this quality. But what have we been doing? We have been developing it right away from this primitive quality. Worse than that, we demand that nature shall allow us to select our locality where the flower can be developed to the highest possible quality of blossom, and then select another locality six thousand miles away where the conditions are most favorable for producing a large crop of seed. We demand that nature shall consent to the widest distribution of this seed to a hundred different local and climatic conditions, not only in America but across the seas. By this time we have developed the life of the plant away from its native hardihood into a delicacy of constitution least able to bear this globe-trotting nervous strain. All the symptoms I have been able to discover of late in this flower have been of this sort. We get a denuded root, a belated bloom, a battle for even a short season of florescence, half the vines succumbing to the first sultry day, or even the first effort to throw out buds, and soon the aphis or the red spider take entire possession. The blossoms at best are but a travesty of their true type, and a disgrace to their name. No self respecting man can work under these conditions. Really the problem is in our own hands. Mr. Eckford has done his part grandly. The seed growers have done all they could. The necessities of the trade exculpate them from all blame. But the fact remains that we have temporarily lost the bloom, a fact which should stimulate rather than discourage us.

Just now I have lost my theology, too, and am too busy trying to crawl out from the wreck and get a new start, to do any thing at present in sweet peas; but it is as plain as daylight what needs to be done to recover this flower at its best. If Mr. Eckford can establish and hold his seed stock so that at Wem it will give him results of an assured kind from year to year, the same intelligent work will duplicate his success in every part of America. Let any interested party fling off the temptation of cheap seed, getting, of course, the best seed the market affords to start with, and then settling down for a determined effort to establish a local character in his own seed stock, such as will produce a normal root, and the qualities of vigor that are necessary for successful culture. It will require patience to get even a few of the best sorts

started on the up-grade towards the desired result. I should expect but little result the first year, to make selections from for the second year's planting. But I should begin with all the best colors, using American grown seed to start with, and persistently re-selecting and planting the strongest product of each year. I think that the ratio of progress will be faster after two or three years. The desired result will not be attained till a normal, old-fashioned, fibrous root is regained. At present nobody is getting anything but a denuded root. Nature will give back to us all that we have lost, under certain limitations. Any man who has an acre of ground, and is willing to put four to ten years' labor on the experiment, using of course scientific methods for preparation of soil and culture, would at least get a strain of seed that he and his neighbors could depend upon. And even if there could be put back the vigor that our trade stock had ten years ago it would be good news to the floral world. My idea would be to have strong sweet pea seed stock localized in as many different states as possible. And if we can thus localize good American strains, then we can carry the flower up in quality, and hold it up, and still get uniform results from year to year. This does not mean cheap seed, but it does mean that those who want to grow this flower will have some available source of supply of such stock as will give them results such as Mr. Eckford's home grown seed give him. It is time we saw the folly of violating nature's law of adaptation. We cannot expect these highly developed floral products to adjust their sensitive quality to such violent exactions as we have made onto them. The more highly developed they are the more they will resent change of location and climate. If I were a big seed jobber or wholesale grower I should select only a moderately favorable locality, and put some intelligent man onto this experiment. I say a moderately favorable locality, for if the root strength is put back into the stock in such locality, the seed growers could grow from this a trade stock that would adjust itself to a pretty wide range of territory. A few people are still getting what they call sweet peas from their annual planting, but it is so much like a game of chance that we cannot generalize on the scattered cases.

Now is the time for a renascent generation of real floral enthusiasts, and the freer they are from sordid commercial motives the better. And the lower down they begin in the solution of the problem the better and the more merit. And while the further northward one selected the locality for regenerating the sweet pea the easier the apparent success would be, I doubt if it would help us very much here in Massachusetts, or anywhere along the 42nd latitude. We have got to have the whole category of strong qualities put back into this flower before we can enthuse on it again in this region. This means that somebody must localize for us a seed stock of the sweet pea, and restore to it such a basis of inherent vigor that we shall have a foundation not only to do our summer's work on, but so that we can compete with Mr. Eckford in building up the finest grandiflora type of each color. What use is it for us to plant seed of Miss Wilmot when we cannot at present grow even the old original Orange Prince? Nothing but a thorougly localized seed stock can give us a basis to work on that will have any warrant of success in it. No kind of specious apology for the present situation is going to help us one iota. No suggestions about fungus or parasite are of any account. There is a law of nature, following which we shall find a normal basis of natural health to work on. I do not mean to say that we can hybridize and develop a flower up to the highest notch of nervous beauty and expect it will have all the hardihood of a Dutch maiden, but the only way to get enough constitution to build a high development on is to localize the particular strain we are at work on. Even though it be a fact that the introduction of blood from another strain or locality may have a tendency to improve the stock, yet the foundation stock must be thoroughly localized in order to reduce to a minimum the uncertainties of our work. Our chances of stumbling on success in high grade floriculture are all the while lessening. And our enthusiasm will be very evanescent unless we can have a science that will have some guarantee of uniform results. I believe the great law of adaptation will do just this for us, if we will go to work persistently on a strain of sweet pea seed stock, and localize it. I have said enough for once. The question branches out in many directions, according as trade interests and amateur enthusiasm are affected.

THE LATE CHARLES CONNON.

(See page 49.)

I notice that Mr. Eckford confined his new introductions to three sorts this season. They are Jeanie Gordon, bright rose shading into cream; Gracie Greenwood, soft cream, shaded pink, deeping at edge; Lord Rosebery, rosy magenta.

The 100-page report of the Crystal Palace celebration of 1900 seems now to be in print and is offered in Mr. Eckford's catalogue. He makes a valuable color classification of all the recognized sorts.

W. T. HUTCHINS.

AUSTIN, MINN.—A. N. Kinsman & Company have bought glass and other material for two houses of 5000 square feet area to be built in the spring.

LAWRENCE, MASS.—A. H. Wagland is fitting up a first-class florists' store at the corner of Broadway and Whitman street, and contemplates building three greenhouses on the adjoining grounds.

Cutting, Packing and Shipping Flowers.

[A paper read before the Florists' Club of Philadelphia, February 4, by George M. Moss.]

Under the head of cut flowers, as the term implies, we must necessarily include everything from the choicest of orchids down to the common "green goods." Almost anyone could clip off a string of smilax, or pick adiantum, but it takes a man with some knowledge of the finer flowers to cut them properly.

In my few remarks I am not going to lay the law down to each and every grower as to just how he shall, or shall not, cut his flowers, but will merely give my personal views, as I see them from day to day, which, however, may differ very widely from those of the experienced grower of the present day.

First, we must take the weather into consideration and cut the different varieties of flowers accordingly. Take, for instance, the rose. In cold weather it should not be cut as close as it should in warm weather, as it will open very little until put in a warm room, while in warmer weather it will blow open very quickly if not cut tight. The grade of really first-class roses as they leave the greenhouse is frequently lowered before they reach the commission man, simply on account of bad judgment in cutting and packing.

The carnation is another flower that needs our attention. Don't leave it on the plant until it is fully developed. It may look very pretty in your greenhouse, but that doesn't bring you in dollars and cents. Cut it before it reaches the state of perfection, so familiar to us all, and give the retailer a chance to display it in his show windows "before it begins to lose its natural beauty," where the flower buying public may admire it. This is where you must look for your revenue in the first place.

The violet is another flower that demands our special attention. Three or four years ago it was very difficult to find a really good bunch of violets, while by persistent hammering at the growers the commission man is enabled to offer some magnificent bunches of the Princess of Wales and Lady Campbell varieties.

The same rule should apply to all other varieties of cut flowers. After the flowers are cut, the greatest care should be used in handling them before shipping to market. The stems should be stood in water for a few hours, so that the flowers may have a chance to harden sufficiently to stand shipment. Vaults or cool rooms are a good place to keep them, provided they are not too damp and are well ventilated.

After the flowers are ready for shipment the greatest care should be taken in the packing. Right here is where many a first-class flower is spoiled and the grower cannot understand why they are graded as seconds or thirds. Some of the growers should see their consignments opened. If they could there would possibly be fewer kicks registered with the poor commission man.

It would be worth one's while to visit some wholesale establishment and inspect the various consignments as they arrive in the course of a day. Some of our more up-to-date growers have taken advantage of the times and pack their flowers in suitable boxes, using wax paper or tissue paper to protect them, while many still cling to the newspapers and soap box. It goes without saying that the former are the more successful and are the ones who are building new houses each year.

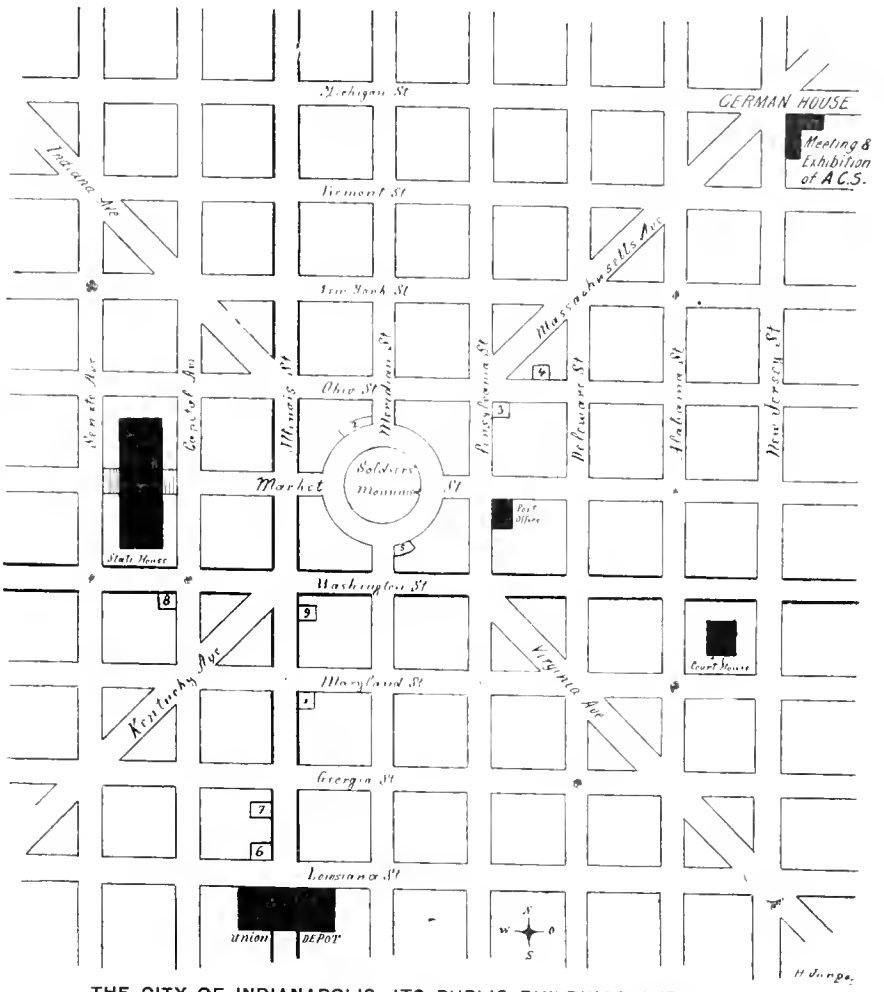
Some consignments arrive in good condition, showing that the grower fully recognizes their worth and handles them accordingly, while others come out of the boxes in horrible condition, showing that the sole aim was to get them into any old box, and catch the first train. To these growers I would suggest that they invest in some suitable shipping boxes, also some tissue or wax paper. They need not buy the expensive grades of paper, as used by the retailer, and then get up an hour earlier in the morning. Then possibly there would be less second-class and third-class flowers on the market and much better prices would be realized from the consignments.

Another grevious mistake some growers make is packing from 1,000 to 15,000 carnations in one box. What is to become of those at the bottom? The drippings of the top ones must go somewhere and naturally they go to the bottom of the box, where most likely the white flowers are. One can no doubt imagine in what condition they arrive at their destination. Then the grower wants to know why his carnations are marked second-class, while those from his neighbor, which were no better, apparently, when shipped, are all firsts. Possibly this same neighbor is keeping up to the times and knows how to take care of his flowers. One or two tiers, according to the depth of the box, will relieve the pressure and the bottom flowers will come out as good as those occupying the top berth.

After the flowers arrive at the various commission houses they should be graded; careful handling raises the grade to the highest possible point, and display to the best advantage to thereby attract the retail buyer's eye. There is more than likely to be some poor ones in every shipment. If so, keep them out of sight, unless they are called for especially. As a general rule the retailer will not look at that kind of stock, but what a howl he makes when it is sold to the street merchants. What are we going to do with it? If the grower sends that kind of stuff to the wholesaler, it must be moved and the street seller is the only outlet.

At times when there is a general scarcity of flowers, the retailer is glad to get what at other times he turns up his nose at, and don't ask you if they are fresh when he sees you take them out of the box.

There are two classes of buyers, the local and out of town. The former selects his own stock and always gets the best (at least he thinks he does), while the latter has to rely on the honesty and ability of the commission man. Perfect harmony should prevail between the grower and the commission man that the latter may know just what to expect from each and every shipper. By working together each will derive much benefit.



THE CITY OF INDIANAPOLIS, ITS PUBLIC BUILDINGS AND HOTELS.

1 Grand. 2 English. 3 Denison. 4 Lorrette. 5 Circle Park. 6 Spencer. 7 Oneida. 8 Lorraine. 9 Occidental.

American Carnation Society.

RATES TO INDIANAPOLIS.

The trade papers are full of invitations for the delegates to the carnation convention to stop enroute and just by way of a little caution it might be well to state that to secure the rate of a fare and one-third no stop-off privileges are allowed unless they can be arranged with the local ticket agent for the trip going. This is one serious disadvantage for us carnation men, as we like to make all sorts of stops right in the growing season, but if we expect to get and hold this fare and one-third it will not do for many parties to buy their tickets in any other way, for if we are one short of the necessary 100 we will not get the rate.

ALBERT M. HERR.

S. A. F. MEDALS.

Intending competitors for these will please note that they are not to be given unless the judges consider the variety worthy, and the judges would hardly consider an exhibit of less than a dozen blooms as worthy of the medal; in fact, as suggested by the AMERICAN FLORIST, there should not be less than twenty-five for fair competition. It was an oversight of the writer not to specify such a number instead of giving it as received.

ALBERT M. HERR, Sec'y.

DEPARTMENT OF REGISTRATION.

Dailledouze Brothers, Flatbush, N. Y., register Alice Roosevelt, color clear shell pink, of the Daybreak order, stem stiflest we know of, size three inches, calyx never splits, form nice and even, foliage good and broad, good grower and constant bloomer with no surplus grass.

ALBERT M. HERR, Sec'y.

AN INVITATION.

For the accommodation of visitors to the convention at Indianapolis and who are expecting to go as far as Chicago, James Hartshorne, of the Chicago Carnation Company, intends running a special car on the Rock Island road from Chicago, to stop at their greenhouses at Joliet, and return. All those who are likely to accept this invitation, please send a postal notifying him what hour and day would best suit their convenience, so that his arrangements may be made not to conflict with any of their own plans. Watch for him at Indianapolis, and he will notify you as to the arrangements he has made.

CARNATIONS.

CARNATIONS AS POT PLANTS.

It seems to me very strange that the American Carnation Society has never made any sort of an effort to bring out the carnation as a pot plant. It may be that the society is so dazzled by what has been accomplished in the development of the carnation as a cut flower that it believes such to be the flower's only mission. But it is not so, I am very sure. Well grown flowering plants of all kinds are running a neck to neck race with cut flowers, but I do not think either will distance the other, because the demand for both is increasing each year. This brings me to what I know can be done.

Of the thousands of seedlings now being raised annually there are scores which have fine compact habit of growth, with foliage the color of blueberries, flowers borne on short stems, and buds carried in clusters of from three to five and about

two or three inches in diameter. Many of the flowers are of the finest colors. Now, what happens to them? Why, down they go to oblivion, when, if they were rightly tended and properly grown, I do not see why pot plants with twenty or more trusses of flowers, each truss five or six inches in diameter, should not be produced and retail for at least $1 50. This is a modest estimate in any case, and it may be that some of the crack growers could produce plants good enough to sell for twice $1 50. However, I am not predicting. Looking backward, I have in my mind's eye the dear old La Purite, Snowden, my old Meteor, that I brought with me when I came across the pond; and my Isabel and Beatrice, that were great pot plants in their time.

Perhaps some suggestions as to how they should be grown would be of value. This is how, or about how, I would grow them. Take the plants up from the open ground any time they are ready and drop them into 9-inch shallow pots, such as we use now-a-days for azaleas, and so forth. Make the soil firm and feed well. See that the drainage is good. Don't botch the potting. The one plant in a pot business has been knocked into smithereens; instance the five or six plants in a pot of palms and other things. If it is legitimate with such things, why not with carnations, geraniums or any other plants?

Well, supposing one wants to show carnations in pots at the exhibitions next November or wants them for use at Christmas or Easter, select well rooted plants now and place them in 2½-inch pots. Keep them cool and let them grow stocky. In the early May select a sunny place outdoors, on well drained soil, and set the plants eighteen inches apart each way. Take a piece of ½ inch or 1-inch board ten inches square and place it five inches below the surface of the soil. Then take plain roofing paper and cut into strips five inches wide and two feet long. Dip these in thick lime wash and let them dry. Then make them into cylinders, which will be about eight inches in diameter, and place them on the boards sunken in the ground. Fill these improvised pots with the best soil you have, and plant in each circle six of the carnation plants, one in the center and five around it, making the soil very firm. Fill in around the paper pot with the general soil of the field and make that firm.

As the plants develop pull out—do not cut—the center of each plant and select four or five of the strongest growths as they appear. Pull out all the grass except the selected shoots. Don't let the outside plants interfere with the center one, or vice versa. Take off a few of the largest leaves, so as to balance the whole, and don't be afraid to put a little labor in their treatment, for they will repay you. You can gauge the time it takes for the development of the flowers, and if you have the right sorts you will pick out the center buds and let the side shoots develop—and there you'll be.

JOHN THORPE.

CAUSES OF SPLIT CALYXES.

Bursted calyxes seem to be giving an unusual amount of trouble this season, and of all the aggravating things that happen to carnations this is perhaps the worst, as it is usually the very finest flowers that are subject to it. Some varieties are especially subject to this trouble and where it is a part and parcel of the natural habit of the variety we can expect from twenty-five to fifty per cent bursted flowers with the very best treatment and must figure on these in estimating the value of the variety in question. Some of these varieties produce such magnificent flowers that fifty per cent of the cut being good makes them worth growing, as seconds can often be made use of.

Varieties not subject to this trouble will under certain conditions burst quite badly and by hunting for the cause the remedy can be found. The one condition that will produce bursted flowers in the greatest quantity is a low temperature, or sudden changes of temperature. Perhaps the best average temperature for all carnations is 50° at night and 60° to 70° during the day. Some will stand 10° lower without bursting and some want 5° to 10° more heat. Now is the time to note these differences and remember them when planting next winter.

When a night fireman is employed he can make three or four trips through the houses each night and see that the proper temperature is maintained by turning off or turning on a pipe or two as may be demanded. Where automatic ventilation is used this constant watching can be dispensed with, but where neither of these two conveniences is at hand the grower has to work under adverse conditions and needs every adjunct available.

THE LATE JAMES COMLEY.
(See page 48.)

With a night fireman I have found it a good investment to purchase a dozen registering thermometers at a cost of $2.50 each. They are a satisfaction to me and keep the night man attending to his duties, as he knows the thermometers will record any failure or inattention during the night. The thermometers register the highest and lowest point reached in the house during the night and are thoroughly reliable. This registration will often be a surprise to some growers and very often will explain the bursting of calyxes by showing that the house has at some time during the night fallen as low as 40° or lower.

Where the proper temperature is maintained one will have to look for other causes and the next greatest trouble will be found in over-feeding, a fault found in many cases, as the demand for large flowers leads many growers to make this error, and it has to be a pretty strong calyx that will stand it.

Over watering will also produce split calyxes, as the plant cells are unduly expanded by the excessive moisture and often when the soil is too full of water the temperature of the soil is much lower than that of the house. This adds to the trouble, especially so in dark weather. A careful attention to these points will in most cases overcome the difficulty and the fault is well worth overcoming, as split calyxes make quite a reduction in the grower's receipts.

ALBERT M. HERR.

TEMPERATURES FOR VARIOUS SORTS.

ED. AM. FLORIST:—Please indicate night and day temperatures best suited to the following carnations: White Cloud, Flora Hill, Norway, Peru, Bone Homme Richard, Mrs. Joost, Dorothy, Lawson, Crane, Maceo, Prosperity and Irene.

WESTERN GROWER.

This is one of the most important subjects connected with carnation growing and to get the best possible results from the plants an even and regular temperature must at all times be maintained. I have found Mrs. Thos. Lawson, Flora Hill and Prosperity to give best results in a night temperature of 54° to 56°. White Cloud is a variety that is very susceptible to thrip and red spider and must therefore be grown in a temperature of not more than 50° at night. Peru, on account of its scant petalage and rather weak stems, does best when given the same treatment. Mrs. F. Joost, G. H. Crane and Gen. Maceo require a night temperature of 52° to 54°. We are growing about 2,000 plants of Bon Homme Richard and it has done admirably to date. I find that it does its best at 54° to 56° at night. Dorothy, Norway and Irene we have not grown.

Referring to day temperature, we give all of our carnations a temperature of 58° to 60° on dull days, with a small crack of ventilation. To maintain this it is sometimes necessary to keep a little steam running through one of the pipes. When the weather is fine and bright we aim to get all the fresh air onto our plants that we can without causing a draught. On such days the temperature sometimes runs up to 70°, but this will do no harm providing there is plenty of ventilation. As the sun goes off the glass it will be necessary to watch the ventilators closely, also do not allow the temperature to fall too low before putting on steam, but aim to have the thermometers register the proper night temperature by the time the sun has left the house.

CHAS. W. JOHNSON.

CARNATIONS IN AUSTRALIA.

The following particulars, from a well known firm of Australian growers, appear in an Antipodean contemporary:

"We believe that the American carnation will enjoy a considerable measure of popularity in Australia when their qualities are known. We may say that we unsuccessfully tried to import a small shipment of the best perpetual carnation in England from Charles Turner, of Slough. They arrived two weeks ago, half being rotten, the other half just showing faint signs of life, expiring sparks evidently, for they've 'gone home' now, and our two dozen dead plants cost us £7 odd to land here. Same thing happened last year, and we are now giving up trying to import perpetuals. The borders being of hardier constitution will carry with far less risk, but carnation lovers here in Australia won't look

THE LATE JAMES COMLEY IN THE MIDST OF HIS FAMOUS RHODODENDRONS. (SEE PAGE 48.)

at borders, so it's little use importing them. We note that in Victoria and New South Wales the phrase 'annual carnation' is used in place of the English phrase 'border,' and this may be more understandable to the outside public, though there is a chance of confusing it with the 'Margaret,' which is often grown as an 'annual.'

"It seems certain to us that the Australian tree carnation is rapidly being improved, and that if as great improvements take place in the next ten years as in the past ten we shall have something in front of us worth living for."

Banquet at New Haven.

The first banquet of the reorganized New Haven Horticultural Society, held at the Tontine Hotel on Tuesday evening, February 4, was an unqualified success in every particular, a credit to the society and a generous endorsement of the well-directed efforts of the prime movers in the resuscitation of the body which had been so long inactive. Fifty gentlemen were present and did full justice to a well-served repast, while an excellent orchestra played, and then listened to the flow of oratory that was let loose until midnight struck. Toastmaster J. N. Champion read a number of letters from guests unable to come and gave some interesting facts in connection with the early history of the society, which was organized in 1830, and made hopeful predictions for future usefulness under new guidance and the influence of young blood.

W. J. Stewart, of Boston, extended congratulations and, bespeaking the prosperity of the organization, warned against dissentions and those who so often, in newly formed societies, hinder and discourage development by opposition, fault-finding or personal animosities. Referring to the remarkable career of the Massachusetts society he advised an imitation of the policy of that body in acquiring and holding real estate which would appreciate in value and thus furnish the needed foundation for financial strength.

J. F. Huss, of Hartford, brought best wishes from the Hartford Florists' Club and told of its success, also the good progress made by the Lenox Horticultural Society. He made an enthusiastic reference to the growing public appreciation of fine gardening and the splendid opportunities for developing this in the laying out of herbaceous borders and high-class shrubbery plantations.

Mr. Keith, superintendent of the Bridgeport park system, told some of his side-splitting stories in his inimitable manner. Of the local speakers were John Doughty, who presented an optimistic view of the future, the present occasion being evidence that the right men actuated by the right spirit are at the helm, and relegated grumblers to the rear; Mr. Ferrier, who agreed that grumblers are bad but maintained that kickers are good and healthy for any society, a good squabble occasionally furnishing incentive for all to pull together when it was over; Mr. Gardiner, to whom much credit is due for the awakened interest, who spoke of the value of regular exhibitions; Mr. Carpenter, an amateur, who applauded the harmonious spirit manifested; Mr. Thompson and Mr. Woodward, each of whom had a good fund of stories, and Mr. Grove, who made a spirited protest against the retail florists of New Haven for ignoring the home growers and going to other markets for their plants, reminding his hearers that a good grower must be intelligent but pertinently inquiring "What's the use of being intelligent unless you are paid for being intelligent?" His assertion that money counts was loudly applauded.

Messrs. Ferrier, Morton and Handyside sang several songs very acceptably. The banquet hall was prettily decorated, E. J. Morse contributing carnations and smilax, F. G. Horn tulips and carnations, John Doughty a fine specimen Lorraine begonia and J. N. Champion palms.

Banquet at Orange, N. J.

The seventh annual dinner of the New Jersey Floricultural Society, at Orange, Wednesday evening, February 5, was one of the best in history. Nearly half a hundred were present. President John Hayes presided and John N. May acted as toastmaster. Dr. Ward, of the State Horticultural Society was the first speaker and extended good wishes. He recounted the history of his society and its objects and complained of the small state appropriation therefor. Wm. J. Stewart, of Boston, next responded for the S. A. F. He told of the motives back of its organization, the spirit of union which was its inception and the spirit of progress, which is its guiding influence. He contrasted the typical horticultural literature at the time of the society's founda-

tion and to-day, crediting the society with being the main incentive for the progress made.

Mr. Totty, of the Morris County Society, responded for sister societies and Henry Bird for florists past and present. Mr. Bird drew an impressive parallel between old and new conditions of culture, greenhouse construction and so forth and predicted more and more systematizing and and specialization in the floriculture of the future. Mr. O'Mara spoke to the toast to the seedsmen in his customary witty manner, occasioning much laughter and applause. Touching the question of a national flower he said the seedsmen would never favor the sunflower or anything else the seed of which is worth 10 cents a quart; rather choose something which brings "a dollar a pinch." He said for himself he favored the potato blossom as something representing the economics and heroics of American life but was afraid the A. P. A. would object. Seriously, he recommended the aquilegia. He paid his compliments to the national government for its performances in the seed business and quoted approvingly George Watson's recent scintillations in the AMERICAN FLORIST.

"Our pastimes" was the toast responded to by J. A. Shaw, who also read original verses illustrating the beauties of the Oranges. Dr. Kitchen described some recent experiments in soil chemistry and J. B. Davis was as gallant as ever in his response for the ladies, telling of their increasing importance in floriculture and describing the provision made for their education at Cornell University. S. S. Butterfield, Henry Bird, George Smith and Peter Duff all contributed to the musical part of the exercises and Mr. May received a vociferous vote of thanks as an ideal toastmaster.

American Rose Society.

The secretary of the American Rose Society has prepared the preliminary premium list of special prizes for the exhibition in connection with the meeting at New York on March 11 to 13. Most important is the Stoeckel prize for six vases, six varieties, twenty-five blooms of each, first money being $50, second $30 and third $20. The executive committee prize is for a display of roses in pots and the trophy is a silver cup valued at $100. The American Rose Company offers $25 for twenty-five blooms of Golden Gate and Mrs. Thos. Newbold offers a like sum for fifty blooms of Liberty. The president's prize of $25 is for three vases, two of which shall be for Bride and Bridesmaid and the third not American Beauty, twenty-five blooms of each. H. A. Siebrecht offers a cup valued at $150 for a display of hybrid perpetual rose plants in not less than 8-inch pots. This trophy is only to be held one year. The Sturgis silver medal is for the best vase of Lamarque and the S. A. F. medals are offered for the best new roses of American origin. Novelties will be given the society's certificate.

The secretary reports that members are paying their subscriptions rapidly, but he wishes to increase the list. No election to membership is necessary, the mere sending of $3 to Leonard Barron, 136 Liberty street, New York, constituting one a member. Elaborate plans are being made for the literary part of the session at Berkeley Lyceum theatre. Samuel Parsons, Dr. Van Fleet, Jas. Wood, Dr. Huey and Dr. Halsted are among those who will speak.

Primulas for the Greenhouse and Home.

That primulas have a well merited value for greenhouse culture all must acknowledge. Many in the past have made them subjects of their skill, and we to-day are enjoying the advantages of improved varieties and new forms particularly suitable for greenhouse culture and exhibiting many features with which the past generations were unfamiliar. Apart from their value as plants for the home they afford cut flowers which are by no means to be despised, and their season of flowering renders them almost indispensable to the gardener and florist.

The comparative simplicity of their culture is alike advantageous to the amateur and florist. Certain rules in their management are necessary, however, and considering that the object in view is to have well established plants by autumn it will be evident that sowing the seed early is advisable, March and April being the better months. Another advantage derived from early sowing is in having the seedlings sufficiently advanced to withstand the early summer heat. Good and ample drainage with well cleaned pots is essential, also soil light and rich in texture, which should consist of three parts turfy loam, one part leaf mold or peat, one part sand and a reasonable proportion of cow manure or other good fertilizer.

Their subsequent treatment consists of potting on as required, and plenty of light, avoiding full sunshine. Careful watering and an occasional moistening of their foliage will keep them growing. A convenient frame or greenhouse where these conditions are readily applied is admirable, and by autumn excellent plants in 4-inch, 5-inch or 6-inch pots will result. These form the most salient features of primrose culture. Certain individual requirements, however, are necessary for their winter treatment, the more important being the constant stirring of the soil on the surface of the pots, a temperature of about 50° by night, judicious care in watering and airing and, as spring advances, a light shading not only prevents the flowers from bleaching but increases the longevity and usefulness of the plants.

Primula Sinensis, the Chinese primrose, has perhaps received more general cultivation than any other variety. As a greenhouse plant it is desirable, but one of its principal charms is its adaptability to massing the plants together in one receptacle. Three plants from 5-inch pots placed in a 10-inch pan, or smaller plants from later sowings, are excellent for the home. Sphagnum serves as an excellent medium if placed firmly around the young plants.

Primula stellata: As a grower of this variety from its introduction, I consider it well merits a place in a collection. The improved forms with larger flowers covering a wide range of colors makes it far more desirable than when it first appeared. The habit of growth—tall, with frequent whorls of flowers—lends a certain grace which many admire.

Primula Forbesii, the baby primrose, is certainly a grand acquisition. Thrip seems to be its natural enemy during the summer months, but frequent applications of nickoteen will hold it in check until the cool weather, when it amply repays for the trouble. It is excellent in pots or pans for the home and one of the daintiest vases for parlor decoration can be arranged with the flowers, which last a long time. Should any plants remain as spring approaches equally satisfactory results may be produced by dividing them into small portions, potting off into small pots and thus avoiding the process of seed sowing, which is tedious and sometimes unreliable.

Primula obconica in its improved form, with large and fringed flowers in white, lilac and pink of varying intensity, makes excellent plants for the greenhouse and home, and also furnishes an abundance of fragrant cut flowers. If large plants are desired they can be grown a a second year by plunging the pots in a shaded position during the summer, but for general purposes plants from seed are more satisfactory.

Primula floribunda, when grown in

PRIMULA STELLATA, GROWN BY F. CANNING GARDENER TO S. T. BODINE.

pans, is suitable for home decoration. In small pots the plants add interest to a collection when arranged on shelves near the glass, where they flower a considerable time.

Primula verticillata should be grown by all lovers of these useful plants, its long tubular flowers and mealy foliage being very attractive. A damp, stagnant atmosphere is to be avoided with this variety to obtain the best results.

Primula Auricula one can hardly expect to grow as in Europe, but it is sufficiently interesting to deserve some consideration. The plants are grown from year to year and during the summer and autumn they are given sufficient water to keep their somewhat fleshy roots healthy. Repot in early winter, when they commence to grow.

It may be mentioned that all varieties when well established are benefited by occasional applications of manure water or fertilizer. FRANCIS CANNING.

PRIMULA OBCONICA GRANDIFLORA.

Keeping Quality of Carnations.

I am glad to see the wholesalers getting stirred up on the carnation matter. We retailers have been kicking and scolding and complaining for a long time about sleepy and split carnations, and little attention has been paid to our tales of woe. It is enough to make a man cuss his grandmother to receive a box of carnations in the morning, looking drowsy when unpacked, and ready to be put to bed by the middle of the afternoon.

There is something wrong with the carnations; they do not keep and an irreparable injury will be done to the flower trade unless some remedy is found. Where, in former days, our customers could keep carnations nearly a week, they say they will not now last for twenty-four hours. Some have quit buying them entirely, going back to roses. What is the matter, anyway? Various have been the theories advanced, some evidently practical, others not so.

I, too, have my theory. I believe the growers let them get over-ripe before cutting. Such is the rage for a big crop of big flowers with long stems that will bring a big price that they are left on the plants too long before cutting, and are three and four days old when the stores get them on their counters for sale, over-ripe, sleepy and ready to close up. It seems as if every grower who sends to the wholesale markets is forcing his plants at the highest temperature, to bring on big crops, which, when marketed are soft and flabby, with no substance, hence do not last long, stems two feet or more long, so slim and slender that they cannot hold up the flowers, too heavy for the support, so soft that if you look right hard at them they will break off.

Don't put the blame on the retailer's cooler, not mine at least, for it is a good one, eight feet high, the same width, and three feet deep, kept clean, and ventilated by the doors being opened many times every day, putting stock out and in. Over-ripe stock will go to sleep in it or on the counter, or in my window, which is cool.

My remedy may not be the best and only, but I think it would be well for all growers to cut their flowers before fully matured and keep them in a cool cellar or other storage room twelve hours before sending to market. Keeping the houses cooler would produce a less number of flowers but of finer quality and lasting. There would not be so many thousands to unload onto the fakirs at prices ruinous to the growers, but more good stock for the retail stores. I believe most of the country retailers—in cities and towns away from the large cities—do not want stems thirty and thirty-six inches long, but rather stout ones eighteen to twenty-four inches long, holding up a good-sized flower, not bursted or overgrown.

The growers who will recognize the wants of a large number of retailers for solid flowers, will be the ones to reap the benefits. The matter is entirely in the hands of the growers, who can and will produce carnations that will not become drowsy as soon as put on the retailer's counter. SENEX.

Floricultural Opportunities.

From a paper under this caption, read by J. B. Davis, of Orange, N. J., at a recent meeting of students in the horticultural department of Cornell University, we take the following paragraphs:

Within a few days a statement has been made by our government, the result of careful inquiry, that there existed 6,159 establishments engaged in floriculture as a business, and it has seemed to me that we might profitably spend the time to-night in a brief survey of the factors which go to make up this occupation. The most important man to-day in floriculture is the grower—not he who simply works a contracted area under glass in the growing of a few flowers, but the man who brings intelligence and preparation, united with his best efforts to this end. Quite near my home in New Jersey we have a few men who have merited attention not only as growers but as originators. Ernst Asmus, who introduced the Liberty rose, has an extensive plant in Hoboken; W. A. Manda, of South Orange, has named and introduced many new plants. His preparation for this work commenced at the bench and he raised himself by his own effort to the position that he fills to-day.

John N. May, of Summit, within a few months has given us the new rose, Mrs. Ames. Mr. May, I am told, commenced in a small way at the bottom of the ladder and worked his way up to his high position among the growers of our country. And there is last year's president of the Society of American Florists, who a while ago told us at Orange of the little shock-headed Irish boy who began with washing the pots and afterwards was set at weeding at Peter Henderson's greenhouses in Jersey City and is to-day a member of that firm.

Among growers but occupying a place of far different requirement, is the private gardener whose effort is given to some wealthy family. Men in such positions

command from $40 to $100 per month, with perhaps a small house and privileges. Many stand prominently before the floral world because of their skill as growers. Another representative grower is the man engaged in our public parks. A few years ago he was considered as a laborer and paid as one, but to-day he is upon a par with the grower elsewhere and receiving $75 per month.

The preparation of all these men formerly was at least three years before the bench before they were considered competent to bear the name of grower. To-day expectation is directed to the out-put of just such schools as we have here, where something far more thorough is imparted and with a purpose for fitting men for a still higher vocation, that of landscape gardener. If you will glance at the "want column" of our trade papers to-day you will find how frequently this is set forth, the demand for growers who also are equipped with this acquirement.

Among men who have filled the position of landscape gardener in a public capacity was Wm. McMillan, who raised himself from a private gardener to the position of superintendent of the Buffalo parks, by his own efforts, and subsequently became superintendent of the parks of Essex county, N. J. His successor, Wm. Manning, had preparation as manager of a large private estate. The demand to-day is not only for a more systematic but for a more scientific training, but the artistic quality must be born in the man and comes with a sincere love of nature. To-day no occupation offers so promising a future to young men who, with a taste for this work, will bring also the preparation now required.

Floral Casket Covers.

There has been some demand for flowers arranged to look like a mat, to lay over the foot of a casket. The wire worker has been employed in most cases to make something stiff and cumbersome for employing tinfoil, moss, toothpicks, and so forth, on which the florist wastes a number of flowers and much patience and is constrained only by a florist's modesty from labeling it: "This is a mat, no matter what it may resemble." The call for such pieces seems out of harmony with the general trend of floral fashions but of course we want to supply such designs when ordered. I find the one here illustrated, of carnations and Asparagus Sprengeri, the most satisfactory. It is made by laying strands of the asparagus diagonally across a table, hanging down on either side, arranging the pointed ends to hang down and joining the stem ends with a small piece of wire. Then lay another series of asparagus strings crossing the first series. Wire these together where they cross, making a mesh of three inches. You then have a green mat that is pliable and easily handled. It is an easy matter to decorate this in various ways with flowers. If an entire pall is wanted, slender strings of smilax used in the same way are preferable, as it is more limp and will fold more gracefully. Sometimes we carry a wreath from one side, which is easily extended more or less by use of vines, wiring the flowers on. C. B. W.

FLORAL MAT.

Plan for Greenhouses.

ED. AM. FLORIST:—I am planning to build a range of connected houses, 50x100, each house being sixteen feet eight inches wide from center to center of the supports for the iron gutters. The outside walls are eight feet high, the ridges fourteen feet, and each house contains four benches thirty-five inches wide and two walks thirty inches wide. The plan contemplates a center post, branching about three-quarters of the way up, one arm running to each side, forming almost a right-angle connection with the sashbars. Would the roof be substantially supported by the branching center posts and the gutter posts? Could the branches of the center posts be utilized to carry the purlins, the headers for the ventilator sash and the shafting to operate the ventilators? If so, what size of pipe should be used for the main column and its branches? Should the ventilators be opposite or alternate, it being proposed to ventilate about half the length on each side? What size should the ventilators be? Should they be hinged to the ridge or the header? Would you recommend any difference in the length of the spans, shorter to south, or vice versa? Hot water being used for heating, would three 2 inch pipes under each bench be sufficient to heat the range for rose growing? The location is the District of Columbia. Would the circulation be effective if a 4-inch main entered at the northeast corner, proceeded to the west end and thence along the end of the house, constantly on the up grade, feeding all the pipes as it passed? The 2-inch pipes would all run down hill to the east end of the range, where they would join another 4-inch pipe returning, still down grade, to the boiler at the northeast corner. Would this be a good style of house for rose growing?

J. W.

The system of posts described will answer, provided the posts in the outside walls will not give under the side pressure. The vertical posts should be 1¼-inch and the oblique braces should be 1-inch. The smaller size will answer for the purlins, which can be carried by the branching pipes. Whether the ventilating shafting can also be attached to these braces will depend upon the kind of ventilating machine used. It can be done with the Carmody and the Moninger machines, but it will be better to support the shafting for the Challenge and Standard machines by means of brackets fastened to the sash bars, although the shafting for these machines can be carried on the braces if desired. The ventilators should be about 72x30 inches and arranged alternately, with the hings at the ridge. For this style of house the dimension proposed will answer very well. The only change that suggests itself is to slightly reduce the height. The plan shows all the beds, except the two outside ones, to be double, or nearly six feet wide. This is rather too much for roses and unless the beds are divided lengthwise it would be better to reduce the width to four feet, with the outside beds thirty inches. By cutting down the width of the walks to from twenty to twenty-four inches, having at least one walk in each house of the greater width, the bench room will not be materially lessened. If no mains pass through the houses, ten 2-inch pipes will answer for the middle house and eleven or twelve for the others. A 4-inch pipe is not large enough to supply the three houses. It should be at least 5-inch. A better way would be to run a 4 inch flow, or two 3-inch, through each house. They would take the place of three 2-inch returns.

L. R. TAFT.

"Bodock, Which Never Rots."

Bodock, the wood mentioned on page 5 of this journal, issue of February 1, as the material used for posts by the Haskell Avenue Floral Company, Dallas, Tex., is what is known at the north as osage or mock orange. The tree is given as Maclura aurantiaca by Nicholson but Bailey puts it under the head of Toxylon. F. W. Beach, superintendent of the Haskell Avenue Floral Company, says that it does not seem to be generally known that this wood is particularly valuable for its quality of resisting decay when in the ground. Posts in the ground for years show no sign of decay. Says Mr. Beach: "Bodock is hard to get, but when you do get it, you have something which will stay with you. We have just closed a deal with a mill man in the southern part of Texas, for 200 of these bodock posts for our new houses. They are sawed 4x4 inches and nine feet long and are to cost a trifle over $1.50 each."

WITH THE GROWERS.

PETER REINBERG, CHICAGO, ILL.

If Peter Fisher, past master in the art of hybridizing, could see the sheet of bloom presented by the three houses of Mrs. Lawson carnation at the establishment of Peter Reinberg, it would afford him gratification certainly worth the trip from Indianapolis to Chicago, for it goes without saying that this Bay State wizard of the camel's hair brush will be on hand at the carnation society's meeting this month. Certainly there can be no complaint against Mrs. Lawson for lack of freedom of bloom, for there are few varieties on the mammoth Reinberg place which will give as many flowers per plant as will this largest of the pinks. The only possible objection to its behavior here is that the stems have not yet attained a length of more than fifteen to eighteen inches, which is just a little short of the present day requirement for a strictly fancy carnation.

Next to Mrs. Lawson, the most popular pink on the place is Guardian Angel, the sport from Armazindy. Next season it will be grown very extensively, displacing Mrs. Joost. The sport possesses all the good attributes of Armazindy, including freedom of bloom and length and strength of stem. It has been, probably, the most profitable sort on the place this winter. Mrs. Joost has been largely grown but is regarded as inferior to the sport in many qualities other than that of keeping.

There is one section of ten short houses given to Mrs. Leopold Ine, the sport from Tidal Wave. This is almost the color of G. H. Crane and is now in its third year here. It was planted by the tens of thousands, because of its freedom of bloom. The plants were rather small when benched, and it was rather late in producing its usual quantity of bloom, but now there is a literal forest of buds and the plants are blooming at a rate which insures the variety a permanent place, although next year it may not be planted so heavily. The flower is somewhat under the size required for a fancy bloom, but it has excellent form and the stems are good, although not very long. During the latter part of January, when Mrs. Lawson was selling at about $3 per hundred, Mrs. Ine was bringing $1.50, with an occasional bunch being sold at $2. Even in view of the splendid cut afforded by Mrs. Lawson, Mrs. Ine was the more profitable at those prices. Evanston is likely to give way to Mrs. Ine next year. Cerise Queen will have no showing.

G. H. Crane is doing very well, much better than in some nearby establishments. It is giving a fairly continuous crop and there is very little stem rot. Matt. Weber is the genius in charge here. The Marquis is giving a very fine crop now, but was rather late in getting down to business, as America has also been.

There is not a thing on the place which affords greater delight to the average visitor than the benches of Prosperity. It seems, to look at these plants, that the variety must be one of the most satisfactory, if not the very best, on the list. These plants are strong, clean, healthy, with many flowering shoots, and appearances of giving excellent cuts, flowers of remarkable proportions on long and heavy stems, although they are not strong enough to hold the flowers erect. But they say that the development of the buds is so exasperatingly slow that, even at the seeming high price at which the flowers sell, the crop is not a profitable one. Or possibly it would be more accurate to say that it is not so profitable as would be the crop from some standard sort occupying the same space. Prosperity is a great keeper.

There are acres of white carnations in the Reinberg place but there is not one which is completely satisfactory. Mr. Reinberg recently had an order for rooted cuttings for a new grower who told him to send what he thought was the best white. He sent Flora Hill and White Cloud, but neither quite fills the bill, and Norway is not fulfilling its early promise. It will, however, be planted more extensively next year and given a more thorough test. Bon Homme Richard is doing nicely, but the flowers are not so large as were the blooms exhibited by the originator last season. Neither are the stems so long, but they carry the flower nicely, and the bloom is well formed. It shows a trace of pink, not as much as in Armazindy, and it shows less and less as the flower attains perfection.

In one of the houses there are a few plants of Estelle and it will be benched more largely next year, as the color is very fine and the flowers large, though not well formed, to many tastes. Most of the new sorts for 1902 will be given a trial next year, but in general the planting of carnations will be reduced to make room for more roses.

Liberty has been so profitable a crop that the plantation of it will be more than doubled next year, making upward of 25,000 plants. This year they had a good crop in early fall and another just right for Christmas. At present the crop is off, but there is a promise for a heavy yield toward spring. The grafted stock has been in all respects superior to the plants on their own roots. The grafted plants started away earlier, have given longer and heavier stems and larger and better blooms, although probably yielding no more flowers, but bringing rather more money. There are now 10,000 Manetti stocks potted up for grafting for next season.

Another of the increases next year will be on Sunrise, which Mr. Reinberg thinks one of the most pleasing novelties He has done well this season on Mme. Chatenay and it will have larger place next year. There is now a splendid crop of Brides and Bridesmaids coming on and the quality of the stock has been excellent all season. Mr. Reinberg is fortunate in having the services of two very expert rose growers, the Collins brothers, one of whom is foreman of the place.

Through the larger part of the range American Beauty occupies the center benches, with teas on the outside benches. The success with Beauties this season has been rather greater than ever before, the crops being good as to quantity and superior as to quality. The stock throughout looks very clean and strong, and the cut has been fairly regular, although in January considerably below what they would like to have had it. There is an excellent prospect for spring the plants being full of good strong breaks and no blind wood.

In previous years this establishment has been affected with an unknown white worm of infinitesimal proportions which has been found in the Beauty buds and has caused the loss of thousands of dollars. Mr. Reinberg was never able to

A VASE OF BEAUTIES GROWN BY PETER REINBERG, CHICAGO.

secure authoritative information as to this pest, but in his own mind he came to the conclusion, after exploding numerous theories, that it came from the thrips, with which he and every other Beauty grower has had to contend. He started out early in the season to do battle with it, and has waged successful warfare, with insecticide known as "black death," of which he has used several hundred pounds, the cost being only 3 cents per pound by the barrel. This is a very fine black powder, principally used as an antidote for potato bugs, but injurious to all insect life. It is applied by dusting the plants and alternated with frequent applications of diluted Paris green has proven very effective. There is not a trace of the worm in the place this winter. "Black death" is an arsenical preparation, the same as Paris green, but it has the advantage that it does not harm the foliage.

In the propagating department they have already rooted and potted hundreds of thousands of cuttings for next year's supply. The houses here required for propagating are more than the space given to cut flowers in many a good sized establishment, for the demand for the next season will approximate about a quarter of a million plants, and the wholesale trade in cuttings and plants will aggregate many hundreds of thousands more.

For several years Mr. Reinberg has declared each fall that he was through building, but he has always been able to change his mind before spring It is another chapter of the same old story this year. When he started in at New Castle he said there would be no more building at the Chicago place, but now he has determined to add five Garland gutter houses, 26x265, covering the only vacant piece of ground in the sixteen acres which he has in the home place. Think of it! Sixteen acres of greenhouses for cut flowers! Six solid city blocks on Robey street!

Toronto.

CLUB HOLDS HIGHLY SUCCESSFUL ANNUAL BANQUET.—BUSINESS GOOD AND STOCK PLENTIFUL, EXCEPT ROSES.

Business has braced up considerably, several large weddings and funerals using up all available stock. Roses continue scarce, the demand being so heavy from outside points that most orders are only partly filled. What roses there are are mostly good. This is particularly true of Bridesmaids and Brides. Meteors are cut before they have properly developed and Beauties are only medium. Other lines are mostly plentiful, especially carnations, which continue of excellent quality. Nearly all bulbous stock is on the market and Harrisii are coming in more freely. Violets are very plentiful and of exceedingly fine quality.

The banquet given by the Florists' Club at Webb's dining parlors was well attended. The tables and room were most beautifully decorated by Mr. Collins and Mr. Goodier. At the officers' table was a large center mound of choice orchids, and on the other tables the decoration consisted of rare specimen plants and cut flowers. Mr. Chambers had the chair. Sister societies were responded to by President Saunders, of the Electoral District Society, and President Tyrell, of the Horticultural Society. Other guests were Mr. MacHutchinson, of New York; Wm. Fendley and Ed. Dale, of Brampton, and Mr. Webster, of Hamilton. H. G. D.

Chicago.

WEEK COMES IN WITH A HEAVY DEMAND.—ROSE SITUATION SOMEWHAT EASIER BUT PRICES DO NOT SAG.—CARNATIONS PLENTIFUL AND WHITE IN GREATEST DEMAND.—PLENTY OF BULBOUS STOCK.—RETAILERS DOING WELL.—THE GREEKS TO GO.—HIGHER RENTALS ASKED.—LARGE PARTY FOR CARNATION MEETING.—VARIOUS LOCAL DOINGS.

Last week closed with very dull business, but Monday brought a rush the like of which has not been seen in recent experiences. It was mostly out-of-town business, but the local retailers seem to be doing a very good business at present in the way of weddings and funeral work and small dinner decorations. There has not been much counter trade for the reason that the weather has been so cold that the shoppers could not be on the streets with comfort. While the demand for roses has increased, the receipts have also shown a gain in spite of the severe cold, and prices are remaining steady. There is a tale going the rounds of the market about a grower's rose cut averaging 18 cents last week, but there is doubtless a good deal of enthusiasm mixed into the narrative somewhere, for 10 cents to 12 cents is about the top price on ordinarily good shipping stock. One of the features of the market situation is that roses are averaging much better quality than at any time heretofore this season. Better stock could hardly be asked for, considering the market supplies in general. The same thing may be said of carnations, and on these prices are running up to $3 and $4 per hundred for extra fancy stock. Whites are moving rapidly and some dealers report them decidedly short of the demand, but there are plenty of pink and red everywhere, so many that they hang fire in the cold weather. There is bulbous stock in all the wholesale houses, including everything from callas, Harrisii, freesias, tulips, Romans, Paper Whites and daffodils to the finest lily of the valley the market has seen in a long time. A man can get pretty nearly anything he wants in the line of valley at a very reasonable price. The spikes from the freshly imported pips are very good, although somewhat deficient in foliage, and there are still good supplies from cold storage. The biggest valley ever seen on the market is that from Klehms' Nurseries, from home grown pips, but this is only bringing $4 to $5 per hundred. There are all kinds of violets in abundant supply, but only the very best are moving at any kind of a pace. It takes moderate weather and the street salesman to move the low grade of violets. Smilax is very plentiful, but there is little adiantum to be had.

There is much perturbation in the market over the action of the city authorities in ordering the street salesmen to discontinue business. Even those of the gentry who have stands within the three-foot line from the buildings have been ordered to quit by February 15. The effect of this move on market conditions cannot be observed as yet, for street men can do little business in zero weather, but the big producers and wholesalers are fearful of the results when the spring rose cut comes on. In the meantime the Greeks are looking for vacant stores in the neighborhood of certain down retailers who have been active in pressing this matter with the city authorities.

In the wholesale markets they are beginning to think about leases again, and the general tendency of rents is upward. Amling has just renewed for a good term at a slight advance, but the Kennicotts' talk of moving unless the landlord recedes from his demand for a practically doubled rental. The property owners in the neighborhood have the idea that Marshall Field's splendid new building, now nearing completion, will greatly enhance real estate values in the neighborhood.

E. F. Winterson has received a letter from William Billingsley, of Indianapolis, urging that the Chicago party at the carnation meeting make its arrangements to remain for the banquet, which will be given by the Indianapolis committee on the evening of Thursday, February 20. Mr. Winterson is figuring on a party of twenty-five from Chicago, leaving here at 8:40 p. m. February 18. Peter Reinberg is one of those who will attend.

At the meeting of the executive committee of the Horticultural Society of Chicago, February 6, three committees were appointed, one to recommend working committees for the next exhibition, one on location and another to revise and get out the premium list at once. The prospects are favorable for securing the new hall which is to be added to the Art Institute the coming summer, for the next show.

E. C. Amling calls attention to the fact that on February 12 and 22, Lincoln's and Washington's birthdays, there will be but two mail deliveries in the business district, leaving the postoffice at 8 a. m. and 10 a. m. After the later hour it will be impossible to secure mail even by going to the postoffice. Out of town buyers should bear this in mind.

Fire in the Sanford Building, Randolph street, February 7, put Kennicott Bros. and E. C. Amling to considerable inconvenience through the accumulation of water in their basement stores and offices.

The city council has given a permit for a sixteen-story building at the corner of State and Monroe streets, so that A. Lange will likely have to seek new quarters after all this spring.

As a rule the wholesalers report better business in January than a year ago, largely due to good prices during the latter part of the month.

Henry Wittbold, of the George Wittbold Co., has the sympathy of the trade in the death of his wife, who was laid at rest on Monday.

E. Asmus & Co., doing business as florists at Evanston and Kenmore avenues have been incorporated with a capital of $2,500.

Weber Brothers are sending J. A. Budlong some of the finest Bride and Bridesmaid roses ever seen in this market.

John Sterrett, of McKellar & Winterson's, is recovering from an illness which threatened pneumonia.

Klehms' Novelty tulips are beginning to come in, and they are good for so early in the season.

Visitors: H. M. Jensen, McHenry, Ill.; A. Warlmont, Aurora, Ill.; J. R. Falkenstein, Naperville, Ill.; H. J. Millatt, Kansas City, Mo.

Newport, R. I.

The members of the Newport Horticultural Society gave their eighth annual ball at Masonic Hall, February 4. The attendance was not as large as in former years, but enough couples were present to make dancing comfortable; and while the ball probably was not a financial success, it certainly was one socially. The following committees had charge: J. K. Sullivan, floor director; Col. Herbert Bliss, assistant; Colin Robertson,

John Alexander, Luther Fulton, Tom Fieldhouse, John H. Sullivan, J. H. Barney, Jr., aids.

Reception Committee—A.K. McMahon, B. F. Tanner, James Boyd, Alexander Fraser and John Bluck.

Committee of Arrangements—Richard Gardner, Charles D. Stark, Louis Ziegler, William F. Smith and Andrew S. Meikle.

J. J. B.

New York.

WEEK PROVES DISAPPOINTING IN A TRADE WAY.—ROSES EQUAL TO ALL REQUIREMENTS.—BEAUTY THE ONLY SHORTAGE.—PLENTY OF OTHER ITEMS.—VALLEY IN OVERSUPPLY.—VARIOUS TRADE AND PERSONAL DOINGS.

There is a very general complaint of dull business this week among the wholesale flower marts, and the inactivity in the retail stores, usually so lively the week preceding Ash Wednesday, sufficiently indicates the reason for the complaint. It was expected, and with reason, that this week would develop a good, steady demand, but it has failed for once. The store windows are filled with fine azaleas, ericas and other blooming plants, but the sales in this line are also light at present. Roses have dropped a few points in value since last report, and a further decline may be looked for in the near future. This is not so applicable to American Beauty, which is in light supply, and does not accumulate as yet. Carnations remain about at a standstill, with no noticeable change in supply, quality or demand since last week. Violets show no improvement. Sales of these in quantity are made at very low figures to unload. Bulbous stock is now becoming unwieldy. The number of growers of this specialty seems to have increased, and all the old concerns are cutting heavily. Lily of the valley is very abundant, prices having been cut nearly in half, and to clear it out daily is an impossibility. Sweet peas are now sufficiently plentiful to be listed in regular daily stock. There are two ways to bunch sweet peas. The grower who cuts a few sprays and tips of foliage with the tendrils and puts them among his flowers gets enough more every time to pay for it. The clumsy manner in which some really nice blooms are bunched is enough to make one feel sad.

David Clarke's Sons are preparing to remove in the near future to a very spacious store which is being fitted up for them in the big new Stokes building on Broadway, near Seventy-second street.

John Scallen's is another old-time establishment that is about to be demolished. Mr. Scallen will remove on May 1 to temporary quarters until the new store on the old site is ready.

J. H. Small & Sons have been large buyers this week in this market for flowers which they have been sending to Washington for the Hay-Whitney wedding.

Wm. Sampson has rented space from Moore, Hentz & Nash at the New York Cut Flower Company's rooms for a wholesale stand.

The Misses Phelps-Stokes have given $3,000 to the New York Botanical Garden for the investigation and preservation of native plants.

The annual ball of the Brooklyn Florists' Club is announced to take place at Turn Hall, 351 Atlantic avenue, on March 17.

Albert Wadley is reported to be steadily improving now.

Boston.

TRADE TAKES ON NEW ACTIVITY.—BEAUTIES POOR.—CARNATIONS DOING WELL.—EXTRA QUALITY FLOWERING PLANTS ARE VERY ABUNDANT.—NOTES OF PERSONAL AND OTHER INTEREST.

After a little period of slackness, business has picked up somewhat this week. Out-of-town as well as local dealers seem to feel the improvement, judging by the increased call on the wholesalers for shipping orders. Roses have not come on as fast as was anticipated and this favors a more healthy market and more stable values. American Beauty is decidedly off crop generally. The blooms coming in are mainly from side shoots and stunted wood, the blooms averaging inferior. Carnation growers are happier than they were. This week prices are better and there is no difficulty in finding a market for all the good material that comes in. Bulbous flowers multiply rapidly now and, although of nice grade generally, move sluggishly, no fancy prices being obtainable at present on any grade.

Plants of extra good quality are more abundant in the store windows than ever before at this season. Azaleas are especially fine and make a striking display. There is no end of daffodils and other flowering bulbs in pans and among the prettiest things are Lady Hume Campbell violets well furnished with bloom.

W. D. Philbrick, for many years a violet grower at Newton Center, died on January 24, aged 67 years.

J. L. Heilbrun has opened a store on Mason street under the title of Ye Colonial Florist.

H. H. Hunnewell, now over 90 years of age, is in feeble health.

Visitor: Chas. Loechner, representing Suzuki & Iida, New York.

Washington.

WEATHER UNUSUALLY SEVERE.—SMALLS USE NEW ROSES IN A HANDSOME DECORATION.

J. H. Small & Sons had the decorations for the Westinghouse dinner and cotillion, last Friday night. The large mansion was tastefully decorated. The boutonieres were made of dendrobiums and lily of the valley. The rose used for the corsage bouquets for the first time in Washington was a beautiful shell pink, No. 19, and known in New York as Mrs. Westinghouse, grown by Benjamin Dorrance, Dorranceton, Pa. For the same decoration some of John N. May's new rose, Mrs. Oliver Ames, were also used, making a fine contrast.

The American Rose Company supplied their Ivory rose in large quantity for the lavish white rose decorations at the wedding of Miss Helen Hay, daughter of the Secretary of State, to Payne Whitney, February 6. It was quite a coincidence that Henry Clews, Jr., one of the ushers, is the son of Mrs. Henry Clews of New York, who subscribed the $50 prize to the American Rose Society for the best fifty white roses, and which was won by the American Rose Company with their Ivory at the Waldorf-Astoria, New York, last March.

Last Tuesday we had the first heavy snow this winter, followed for nearly a week by rain, sleet and cloudy weather, making it very trying for the cut flower growers, as well as the store people. The heavy snow and ice did considerable damage to some greenhouses. F. H. Kramer sustained a loss of about $50 by the ice sliding from one house and breaking much glass on the opposite house.

The American Rose Company last week shipped 10,000 strong plants of Ivory rose to their general agent, Edwin Lonsdale, preparatory to distribution April 1.

P. G.

Indianapolis.

PLANS WELL UNDER WAY FOR THE CARNATION MEETING.—THE COMMITTEES.—THE PROSPECTS BRIGHT.

The representatives of the Florists' Association of Indiana held a final meeting before the carnation convention on the evening of February 4. The time was devoted to completing arrangements for the convention and everything may be said to be fairly well under way. The reception committee wishes to impress upon the visitors their request that Robert McKeand, 132 E. Market street, be notified of their time of arrival. Mr. Mr. McKeand's assistants on the reception committee are F. B. Alley, Adolph Baur, Fred. Huckriede and W. W. Coles. The committee on entertainment is composed of E. G. Hill, of Richmond; J. A. E. Haugh, of Anderson, and William Billingsley, Ed. Bertenmann, and Herman Junge, of Indianapolis. They are planning a banquet for the visitors on the evening of February 20 and expect to make it a most elaborate affair. It is now thought that the attendance will be 200 or more from outside the state and it is figured that the exhibition will be the best in the history of the society. Both the meetings and the flower show are to be held in the German House, the west half of that building having been engaged for the two days. Ed. Bertermann is working out a scheme of elaborate floral decorations, in which the exhibits of carnations will find a handsome setting. The committee in charge of the exhibition is J. S. Stuart, Fred Lemon, E. A. Nelson, John Bertermann and John Hartje. There are reports of exhibits coming from New England and from as far west as Colorado.

H. J.

Columbus, O.

TRADE FAIR BUT RETAIL PRICES ON ROSES TOO LOW FOR PROFIT.—A VARIETY OF JOTTINGS.

Business is very good, with prices satisfactory on all stock but roses, the best of these selling mostly at $1.50 per dozen, rarely at $2, which is too low for the dealer who has to pay from $10 to $12 per hundred for good stock. Hyacinths, daffodils and tulips are coming in heavily but so far there has been no surplus. Lilies are scarce as yet, although a few have made their appearance.

Geo. L. Miller, of Newark, O., stopped here on his way home from Cleveland. It was plain to be seen that George ran against something valuable while in the northern part of the state but it is too soon for him to make it known.

The cold wave of this week was accompanied as usual with a lot of telephone calls as to the treatment for frozen house plants.

S. S. Skidelsky and Ernest Ashley, of Philadelphia, were among the callers this week.

J. R. Hellenthal has a house of fine Ramblers promising well for Easter.

CARL.

CHAMPLIN, MINN.—Irving Kimball is preparing to erect a range of houses covering 100x400 square feet.

THE date at which your subscription expires is shown on the address label on your paper. Our aim is to merit prompt renewal.

THE AMERICAN FLORIST

SEVENTEENTH 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.

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cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

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-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., Chicago.

PRICES on window glass have stiffened somewhat as a result of a ten per cent advance in the wages of workmen.

THE Kansas City flower show of 1902 will be held November 3 to 8, with F. J. Taggart general manager and John Thorpe superintendent.

THE week has cut into the coal piles amazingly, for zero weather and high winds have prevailed over the greater portion of the country.

WHOLESALE plant trade is reported generally dull for the past two weeks, due to the severe cold, making shipments more or less hazardous.

THE manufacturers of greenhouse building materials say that they have never experienced anything like the rush of orders which is on at present.

THE American Rose Society wisely sends out with its prize schedule a substantial printed tag to be used on shipments of plants, flowers, etc., intended to reach the official in charge of the exhibits.

Society of American Florists.

The various state delegations at the Buffalo convention having failed to express any choice for their respective representatives, President John Burton has appointed the following named gentlemen to serve as state vice-presidents for the year 1902, and they have accepted:

California, H. H. Lilienthal, San Francisco.
Colorado, J. A. Valentine, Denver.
District of Columbia, Peter Bissett, Washington.
Florida, E. N. Reasoner, Oneco.
Illinois, (north), Edgar Sanders, Chicago.
Illinois (south), Geo. A. Kuhl, Pekin.
Indiana, Geo. B. Wiegand, Indianapolis.
Iowa, W. A. Harkett, Dubuque.
Kentucky, A. R. Baumer, Louisville.
Maine, Hans Nielsen, Woodfords.
Maryland, Chas. L. Seybold, Baltimore.
Massachusetts (east) J. A. Pettigrew, Boston.
Massachusetts (west), H. P. Wookey, Stockbridge.
Michigan, Robt. Flowerday, Detroit.
New Hampshire, Bernard Morris, Portsmouth.
Missouri, Chas. Juengel, St. Louis.
Nebraska, Lewis Henderson, Omaha.
New Jersey, Jos. B. Davis, Orange.
New York (east) A. H. Langjahr, Brooklyn.
New York (west) Thos. Mansfield, Lockport.
North Carolina, Jas. M. Lamb, Fayetteville.
Ohio (north), Lewis Ullrich, Tiffin.
Ohio (south), A. Sunderbruch, Cincinnati.
Pennsylvania (east), Geo. C. Watson, Philadelphia.
Pennsylvania (west), Wm. Loew, Allegheny.
Rhode Island, Louis J. Reuter, Westerly.
Vermont, Geo. H. Mass., Woodstock.
Virginia, F. A. Whelan, Mt Vernon.
Wisconsin, C. C. Pollworth, Milwaukee.
West Virginia, Gustav Obermeyer, Parkersburh.
Canada, H. H. Groff, Simcoe, Ont.

WM. J. STEWART, Sec'y.

The Rose Balduin.

It is reported that a re-iavestigation of the Balduin-Helen Gould case will be made. Peter Lambert, of Trier, Germany, writing under date of January 20, 1902, to one of his correspondents in this country, says: "I can say to-day that Helen Gould is another rose than my Balduin."

Kind Words Never Die.

ED. AM. FLORIST:—Enclosed find $1 for renewal of our subscription. We cannot think of doing without the FLORIST. It contains so many useful and seasonable hints to keep the craft up to date in a progressive and aggressive age.

SALINEVILLE FLORAL CO.
Salineville, O.

Indianapolis Hotels.

The following are the hotels which the Indianapolis reception committee recommends to those who will attend the approaching convention of the American Carnation Society:

EUROPEAN PLAN.

Lorraine, single, per day	$ .75 to $1.00
" double, per day	1.00 to 1.50
Oneida, per day	.50 to 1 00
Lorette, per day	.50 to 1.00
Denison, per day	1.00 to 3.00

AMERICAN PLAN.

Spencer, per day	$2.00
Circle Park, per day	1.50
Lorette, per day	1.50
English, per day	$2.00 to 2.50
Denison, per day	2.00 to 5.00
Grand, per day	2.00 to 4.00

Greenhouse Building.

Dunkirk, N. Y.—F. B. Kinner, one house.

East Mansfield, Mass.—Vickery Bros., one house.

Plymouth, Pa —Wm. G. Nelson, house 16x132.

Helena, Mont. — Mattie Miller, three houses 20x80.

Champlin, Minn. — Irving Kimball, range of houses.

Austin, Minn.—A. N. Kinsman & Co., two houses.

Rockland, Mass.—W. B. Arnold, two houses 25x100.

Mt. Holly, N. J.—R. Beyer, one house.

Doylestown, Pa. — B. K. Hedrick, one house.

Williamsport, Pa.—Pennsylvania Railroad Company, one plant house.

Berlin, Conn.—A. A. Welden, one house.

Lawrence, Mass. — A. H. Wayland, three houses.

Louisiana Purchase Exposition.

Frederic William Taylor, chief of agriculture, and acting chief of horticulture and floriculture at the Louisiana Purchase Exposition, was among our visitors this week and expressed himself as highly pleased with the present outlook for the World's Fair at St. Louis. He is at present looking over the field for material and suggestions which will contribute toward making the displays in his departments the most representative and complete which have been brought together to date. Mr. Taylor's past experiences in a similar capacity must necessarily be of substantial service to him in his present position, but he is quite willing and anxious to receive practical pointers from men in the trade who are competent to advise with regard to the necessities of the occasion. All correspondence on this subject should be addressed to Frederic W. Taylor, World's Fair, St. Louis.

Asters For Early Cutting.

ED. AM. FLORIST:—Please tell me what are the best asters in the several colors, white, pink, lavender, red and Daybreak, to grow outdoors for cut flowers for the wholesale market? What is the best time to sow the seed and what soil is best adapted to their requirements?

A. L. S.

The earliest of all asters for market purposes is the Queen of the Market, which is sold in about six or seven distinct colors. The early Parisian is earlier still, but produces very few flowers and is not very profitable, except for forcing under glass. Early asters for outdoor growing ought to be sown at once to get good, strong plants to set out early in May in Boston latitude. If the ground has been in cultivation for some years a liberal application of slaked lime will be very beneficial in warding off the rot to which asters in old soil are very liable. Light land is preferable to that of a heavy texture, especially for early varieties. Last year we made a trial of California and imported aster seed and we were quite surprised at the results, the California plants being more vigorous and comparatively free from disease, with no signs of the chlorosis (or the yellows) which is so prevalent in late asters of the Semple class, owing probably to the seed being more mature and raised in a dryer climate. But more care will have to be used by California growers in selecting the plants for seed as the flowers were far inferior in quality to those from plants from European grown seed and the colors were badly mixed.

DENYS ZIRNGIEBEL.

OBITUARY.

THOMAS J. WINTERS.

Thomas J. Winters, of Harrisburg, Pa., florist for the Pennsylvania Railroad Company for the past quarter of a century, died January 31, from cancer of the stomach. Mr. Winters was well known along the line of the middle division of the Pennsylvania railroad, where he laid out the flower beds and kept in order the gardens about the stations. Deceased was aged about 64 years, a member of the S. A. F., and is survived by a wife and seven children.

JAMES COMLEY.

The news of the death of this eminent gardener comes with a terrible shock to a host of sympathizing friends. While walking among the beautiful trees on the Hayes estate, at Lexington, Mass., which had been under his care for so many years, he was stricken with apoplexy and expired instantly. Thus is removed a central figure in Boston horticulture, one of the renowned coterie of expert gardeners who have wielded a powerful influence in their profession for nearly half century and have helped make the exhibitions of the Massachusetts Horticultural Society famous all over the country.

Mr. Comley had charge of Oakmount, the extensive estate of F. B. Hayes, from the time it was laid out until after the death of the younger Mr. Hayes, when it was disposed of. He gathered there a great variety of rare and beautiful trees and the rhododendron collection under his supervision grew to be one of the finest in America and the annual show of these grand flowers became noted far and wide. As manager of this estate it

devolved upon him to arrange and conduct the entertainment given by Mrs. Hayes to the Society of American Florists at the time of the Boston convention in 1890. How well he performed this duty the 800 visitors on that happy occasion know. This was but one of very many events when Mr. Comley's rare qualifications as a host were demonstrated. At his own home there was at all times a hearty welcome for the craft and whether the party was small or large his bounty was always equal to the occasion.

Mr. Comley came to this country from England at the age of 20 years, with the advantage of an apprenticeship under John Spencer, on the estate of the Marquis of Lansdowne. He had an especial fondness for rare and new things and with the instinct of the true gardener loved a plant for itself rather than for its money value. He was lavish in his displays at the weekly exhibitions of the Massachusetts Horticultural Society and at the close of the show the flowers were bestowed on all comers as long as they held out. Since the closing of Oakmount he has devoted his time to a small range of greenhouses as a commercial venture but during the past year infirmities have crowded upon him, the most serious being the almost total loss of sight, and he has felt keenly his inability to participate in the social activities of his old associates.

His age was 67 years. His mother is still alive in England. He leaves a widow, two daughters and four sons, all of the sons being engaged in floricultural pursuits. The funeral on Monday, February 3, was attended by about thirty gentlemen from the Society of American Florists, Massachusetts Horticultural Society, Horticultural Club and Gardeners' and Florists' Club of Boston, the two latter contributing superb floral tokens.

CHARLES CONNON.

Charles Connon, of Webster Grove, Mo., who died January 25, was born in Edinburgh, Scotland, more than seventy-five years ago and learned the gardening craft under the careful parental eye. His father was a minister of the gospel, besides being a nurserymen, and from him his son derived that love for the church which has borne so marked an influence on his whole life. He came to America fifty years ago and for forty-five years has resided in the vincinty of St. Louis, most of the time at Webster Grove. He was one of the oldest florists in his section of the country and was most highly esteemed by all his fellow craftsmen. Some twelve years ago he suffered a severe illness, with pneumonia, from the after effects of which he never fully recovered. It was on January 17 that he contracted a severe cold which added to the other complications and brought on the end, despite the very best of medical attention.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (six words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1902 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—By a rose, carnation, violet and plant grower; 25 years' experience. References furnished. B P, care Am. Florist.

SITUATION WANTED—By a young man, as helper in general greenhouse work, especially roses; 5 years' experience. Address M H A, care American Florist.

SITUATION WANTED—By good all-around florist, single man; first-class plantsman and propagator; 25 years' experience, both commercial and private. R, care American Florist.

SITUATION WANTED By a seedsman, in a first-class seed store. Have a catalogue list of 60,000 live farmers' names and addresses. Address H, care American Florist.

SITUATION WANTED—By single man, German; 15 years' experience in greenhouse work; able to take charge; private or commercial place. Best of references. Address R J, 128 Kossuth St., Union Hill, N. Y.

SITUATION WANTED—As foreman by a practical grower of roses, carnations, 'mums and other stock; 26 years' experience; capable of managing a large place. Correspondence solicited. FLORIST, 129 N. Clark St., Chicago.

SITUATION WANTED—As foreman by a practical grower of roses, carnations, chrysanthemums, violets, palms and other plants; German; 30 years' experience; good references. Can take charge after March 1st. Address F D, care Wm. F. Hennig, Blue Island, Ill.

SITUATION WANTED—By florist and landscape gardener; 16 years' experience in greenhouses, vegetables and lawn; wants to take charge of private place where a good and steady man is wanted; age 31. Open for engagement March 1st. Good references; married, no children. Address V V, care American Florist, Chicago.

SITUATION WANTED—By up-to-date carnation grower, by March 1st, in first-class establishment; two last years foreman on one of the best known carnation establishments in the east. Distance no objection, but good wages expected. For references as to ability and character please refer to Mr. Peter Fisher, Ellis, Mass. Address J. E. JENSEN, Box 16, Ellis, Mass.

SITUATION WANTED—By a first-class grower of roses, American Beauty especially, carnations, 'mums and general forcing stock; also ferns and palms, except orchids; 40 years old; 26 years' experience; married, four children; 5 years as foreman for one of the leading florists in Washington, D. C. Like to take charge of good sized plant soon. Reason for change, is unhealthy climate. Best wages expected. Best references. Address J S S, Postoffice, Alexandria, Va.

WANTED AT ONCE—Good all-around greenhouse man. C. H. FREY, 1133 O St., Lincoln, Neb.

WANTED—Young man for general greenhouse work. State wages wanted with board. COLE BROTHERS, Peoria, Ill.

WANTED—Assistant for general greenhouse work. State wages. Address CHICAGO, care American Florist.

WANTED—Man for general greenhouse work, two helpers for rose sections. J. F. WILCOX, Council Bluffs, Iowa.

WANTED—A first-class orchid, fern and palm grower. Address Box 985, Postoffice, Minneapolis, Minn.

WANTED—Young man to learn the greenhouse business of growing roses and carnations. Apply to JOHN L. WYLAND, De Haven, Pa.

WANTED—Man to take care of a small conservatory in connection with retail store. C. A. SAMUELSON, 2129 Michigan Ave., Chicago.

WANTED—A single man to grow roses and carnations and to look after things in general at times. State wages with board and room. Address C, care American Florist.

WANTED—An A No. 1 man of unquestioned character and ability, for position in retail store; must be a first-class salesman and strictly up-to-date in decorating and designing. Address with references, RETAILER, care American Florist, Chicago.

FOR SALE OR RENT—Greenhouses, 4000 sq. feet of glass, ground and dwelling. Good market, on electric cars and railroad. Easy terms. Address M T, care American Florist.

FOR SALE—$200 swell florist store, handsomely decorated, elegant fixtures, cheap rent; easy terms to practical florist wanting business in a good location. Address C M M, care American Florist.

FOR SALE—Well established florist business, 12,000 feet of glass, well stocked, steam heat, several acres of ground; no competition; about 100 miles from Chicago. Address INDIANA, care American Florist.

FOR SALE—17,000 feet of glass, nearly new, splendid carnation and rose soil, 15 acres, house and barn, near city of 80,000, 28 miles from Philadelphia. Inquire of LEO. NIESSEN, 13th and Filbert Sts., Phila

FOR SALE—A bargain—Fine greenhouse property at Atglen, Pa., 47 miles from Philadelphia, on main line of Penna. R. R., containing about 8 acres; fine 12-room double dwelling, barn and 6 greenhouses, well stocked with carnations and violets. Price $6000. Address J. B. R. MCCLURE & CO., 18 South 40th St., Philadelphia, Pa.

FOR SALE.

Dwelling and greenhouses (no stock), centrally located in city of 4500. Long established, paying business. No competition; 3200 feet of glass. Cause, death of owner. Address **MRS. MARY BEZNER, Executrix** JERSEYVILLE, ILL.

$300 Per Month.

Do you want it? If so, buy me out NOW, at your own price. Good reasons. 15,000 feet. It costs you a postal card to have particulars.

C. S. FITZSIMMONS, Lansing, Mich.

A Good Chance for Easter.

One of the nicest flower stores in New York City for sale; 5 years in present location. Average business, $300.00 per week. Good reasons for selling at once. Address **WESTWOOD, 489 Columbus Ave., New York.**

FOR SALE A Great BARGAIN

20 miles from Grand Central depot, N. Y. city, on line of New York & New Haven R. R., Florist Establishment consisting of 4 acres of rich land, dwelling house, 10 greenhouses, steam heated, boiler house, 3 steam boilers, pumps, all complete. Must be sold at once; easy terms. For further particulars address **Siebrecht & Son, 409 5th Ave., N. Y.**

FOR SALE OLD ESTABLISHED

FLORIST BUSINESS

4½ acres of ground, 9 greenhouses, several cold frames, 6-room house, barn, etc. 30 minutes from N. Y. city. Large cemetery opposite. Trolley cars pass place. 36 years in present location. Entire property and business, including large stock for spring trade. Call and inspect.

Mrs. C. M. Hutchinson, Elizabeth, N. J.

BE it known to our patrons and friends that

FICK & FABER

have entirely removed to **San Mateo, Cal.** All communications should be sent to that place.

If you want to get the want you want to get, you want to get your want ad into the

AMERICAN FLORIST

Try it now.

Every advertisement represents a genuine want. It pays to answer them.

St. Louis.

CHANGEABLE WEATHER KEEPS GROWERS ON THE ALERT.—ROSES SCARCE, BUT OTHER STOCK PLENTIFUL.—BULBOUS MATERIAL MOVING WELL. — VARIOUS NOTES.

The weather is very severe of late and has made a wonderful change in the market. The temperature and winds have been very changeable and have caught several growers half asleep. There are very few good roses to be had, except when they are sent from a distant point. It has been that way for the last two weeks. There are not near enough roses sent in to supply the demand, although good prices are received. And Beauties, too, are hard to get. Carnations are the leading flower in these rose shortage weeks, and even in these there is a shortage of white. Some very fine White Cloud, Marquis and Mrs. Lawson are to be had at $4. Lily of the valley is quite plentiful, but some very fine stock is to be had at $6. Violets are coming in quite lively of late, but not any more than can be used. Tulips are beginning to cut quite a figure and a large number are used daily, especially the white, and luckily there are more of these sent in than of any other.

February 13 is the next meeting of the St. Louis Florists' Club and the annual carnation show will be held in Odd Fellows' Hall on Olive street. Some very fine flowers are expected and several good papers are promised. Home growers are asked especially to exhibit their good blooms of any variety.

The retail trade is very good of late and all report brisk business. Geo. Waldbart is getting in some exceptionally fine roses, and is also having quite a run on plants, especially azaleas. Charles L. Connon is also having good business.

John Burke reports good trade at both stores, but his time is principally taken up by decorations and funeral work.

R. J. M.

LINCOLN, MASS.—Charles Hunt is building a greenhouse.

ORANGE, N. J.—Samuel Glascow, assistant to John Hayes on the O. D. Munn place, was accidentally asphyxiated by gas Monday. He was a most promising young man.

WAUWATOSA, WIS.—A. Klokner, of Milwaukee, has purchased the land 195x227 at the southeast corner of Seventh and Vliet streets for $3,200 and will erect a range of greenhouses.

CHOICE

LILY of the VALLEY

in large quantities, the finest that is grown, $4 and $5 per 100.

JOHN WOLF. SAVANNAH, GA.

RICE BROTHERS

Wholesale Florists and Supplies.

Receivers and Shippers of Fresh Cut Flowers.

Consignments Solicited.

128 N. Sixth St., Minneapolis, Minn.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE.

PRICE LIST.

Roses, Beauty, extra long stems	$6.00
" " 30-inch "	5 00
" " 24 " "	4.00
" " 20 " "	3.00
" " 15 " "	2.00
" " Short "	1.00
" Bride, Bridesmaids	6.00@10.00
" Meteor	6.00@10.00
" Perle	4.00@ 8.00
" Golden Gate	6.00@10.00
Carnations	1.00@ 2.00
" fancy	2.00@ 3.00
Violets, double	1.00
" single	.50@ 75
Lily of the valley	2.00@ 4 00
Adiantum	.75@ 1.25
Common Ferns.....per 1000, $1.50	.25
Smilax.....per dozen, $1.25@$2.00	
Asparagus .per dozen, 7.50@10.00	
Narcissus	2.00@ 3.00
Roman Hyacinths	2.00@ 3 00
Lil. Harrisii	20.00
Callas	12.50@15.00

GALAX LEAVES,
Green or Bronze, 15c per 100; $1.00 per 1000.

LEUCOTHOE SPRAYS,
75c per 100.

WILD SMILAX,
QUALITY COUNTS—No. 1, 15 lbs., $2.50; No. 2, 20 lbs., $3.25; No. 3, 25 lbs., $3.50; No. 4, 35 lbs., $4; No. 5, 40 lbs., $5; No. 6, 50 lbs., $6.

We are the Northern Representatives of CALDWELL THE WOODSMAN CO.

CATTLEYAS, $6.00 per dozen.

J. B. DEAMUD, WHOLESALE CUT FLOWERS 51 Wabash Ave., CHICAGO.

Wholesale Flower Markets

MILWAUKEE, Feb. 6.

Roses, Beauty, long, per doz.	3.00@ 5.00
" " med. "	1 50@ 2.00
" " short "	.50@ 1 00
" Liberty	6.00@10.00
" Bride, Bridesmaid	6.00@ 8.00
" Meteor	6.00@ 8.00
" Golden Gate	6.00@ 8.00
" Perle	5.00@ 8.00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00@ 3.00
Violets	.75@ 1.00
Romans, Paper Whites	2.00@ 3.00
Lily of the valley	4.00
Adiantum	.75@ 1.00
Smilax	15.00@18 00
Asparagus	65.00
Common ferns	.20

PITTSBURG, Feb. 6.

Roses, Beauty, specials	40.00@50.00
" " extras	25.00@35.00
" " No. 1	10.00@20.00
" " No. 2	3 00@ 6.00
" Bride, Bridesmaid	3 00@12 00
" Meteor	6.00@12.00
Carnations, ordinary	1.00@ 2.00
" fancy	3.00@ 5.00
Lily of the valley	2.00@ 4.00
Violets	.30@ 1.50
Harrisii lilies	10.00@20.00
Romans	1.00@ 3.00
Paper Whites	2.00@ 3.00
Tulips	2.00@ 4.00
Smilax	8.00@12.50
Adiantum	1.00@ 1.50
Asparagus	50.00@75.00
" Sprengeri	2.00@ 4.00
Galax, green and bronze per 1000	$1.25

CINCINNATI, Feb. 6.

Roses, Beauty	25.00@50.00
" Bride	6.00@ 8.00
" Bridesmaid	6.00@ 8.00
" Meteor	6.00@ 8.00
" Perle	4.00@ 6.00
Carnations	2.00@ 5.00
Violets	2.00@ 3 00
Harrisii lilies	15.00
Lily of the valley	4.00@ 5.00
Romans	3.00@ 4.00
Paper Whites	3.00@ 4.00
Asparagus	50.00
Smilax	15.00
Adiantum cuneatum	1.00
Galax leaves	.15
Common ferns	.20

ST. LOUIS, Feb. 6.

Roses, Beauty, short stem	8.00@15.00
" " long stems	20.00@50.00
" Bride, Bridesmaid	6.00@10.00
" Meteor	4.00@ 8.00
" Golden Gate	6.00@10.00
Carnations, ordinary	1.50@ 2.00
" choice	2.50@ 4.00
Violets	.75@ 1.00
Stevia	1.00
Sweet peas	.50@ 1.00
Callas	10.00@15.00
Lily of the valley	3.00@ 4.00
Romans	2 00@ 3 00
Narcissi	2.50@ 3.00
Freesia	1.50@2.00
Smilax	12.50@15.00
Asparagus Sprengeri	1.00@ 1.50
" Plumosus	1.00@ 1.50
Galax	.15

Frank M. Ellis,
WHOLESALE FLORIST,
1316 Pine Street, ST. LOUIS, MO.
CONSIGNMENTS SOLICITED.

H. G. BERNING
Wholesale Florist
1322 Pine St., ST. LOUIS, MO.

C. A. KUEHN,
Wholesale Florist,
1122 PINE STREET,
ST. LOUIS, MO.
A complete line of Wire Designs.

Pittsburg Cut Flower Co. Ltd
WHOLESALE FLORISTS.
Pittsburg, Pa.

The Cincinnati Cut Flower Co.,
416 Walnut St., CINCINNATI, O.
WHOLESALE FLORISTS.
Consignments Solicited.
Special Attention Given to Shipping Orders.

MICHIGAN
Cut Flower Exchange,
WM. DILGER, Manager,
WHOLESALE COMMISSION.
Full line of Florists' Supplies and Decorations.
Special attention to shipping orders.
26 Miami Avenue, DETROIT, MICH.

Desirable Advertising Space
....To Rent on the walls of the
BOSTON FLOWER MARKET
Effective. Profitable. Address
GEO. CARTWRIGHT, Secretary, 1 Park St., BOSTON.

E. C. Amling

The Largest, Best Equipped and Most Centrally Located Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St. CHICAGO.

L. D. Phones 1999 and 1977.

PRICE LIST.

BEAUTIES.

Stems, 36 inches, per doz.,		$6.00
" 30 " "		5.00
" 24 " "		4.00
" 20 " "		3.00
" 15 " "		2.00
" 12 " "		1.50
" 6 to 8 in. per 100,	$6.00	8.00
Brides..... "	5.00	10.00
Maids..... "	4.00	10.00
Meteors..... "	4.00	8.00
Golden Gate..... "	4.00	10.00
Carnations..... "	1.50	2.00
" large fancies "	3.00	4.00
Mignonette.....per doz.,	.35	.50
Violets, double.....per 100,	.75	1.25
" single..... "	.60	.75
Valley, select..... "	2.00	3.00
Callas.....per doz.,	1.50	2.00
Romans.....per 100,	2.00	3.00
Tulips..... "	3.00	4.00
Paper Whites..... "	3.00	4.00
Asparagus plumosus, per string,	.50	.60
" Sprengeri, per 100,	3.00	4.00
Ferns, per 1000, $1.50; "		.20
Galax, " 1.00; "		.15
Leucothoe sprays.... "		.75
Adiantum..... "	$1.00	1.50
Smilax.....per doz.,	1.25	1.50

Prices subject to change without notice

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

A. L. RANDALL,

WHOLESALE FLORIST,

4 Washington St., CHICAGO.

Send for weekly price list and special quotations on 1000 lots.

WEILAND-AND-RISCH

CHICAGO'S RELIABLE

Wholesale Growers and Shippers of

CUT FLOWERS,

59 Wabash Ave., Chicago.

SEND FOR WEEKLY PRICE LIST.

WHOLESALE FLORISTS

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

Please mention the American Florist when writing.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florists

31-35 Randolph St., CHICAGO.

☞ Consignments solicited.....

FRANK GARLAND,

Wholesale Grower of **Cut Flowers**

SPECIAL ATTENTION GIVEN TO HARDY CUT **FERNS**

55-57 WABASH AVENUE,

Telephone Central 3284. CHICAGO.

Mention the American Florist when writing to advertisers on this page.

Wholesale Flower Markets

CHICAGO, Feb. 7.

Roses, Beauty,	36-inch stems		6.00
" "	30 " "		5.00
" "	24 " "		4.00
" "	20 " "		3.00
" "	15 " "		2.00
" "	12 " "		1.50
	6 to 8 "	"per 100	6.00@8.00
Bride, Bridesmaid			5.00@10.00
" Meteor			5.00@ 8.00
" Perle			4.00@ 8.00
" Golden Gate			5.00@10.00
Carnations			1.50@ 4.00
Violets			.75@ 1.25
Lily of the valley			2.00@ 3.00
Callas, per doz		1.50@2.00	
Romans, Paper Whites			2.00@ 4.00
Adiantum			1.00@ 1.50
Common ferns		per 1,000 $1.50	.20
Galax leaves, per 1000		$1.00	.15
Smilax		per dozen 1.50@ 2.00	

Lily Of The Valley.

Finest brand for early forcing $1.50 per 100. $12 per 1000, case of 2500, $29.00.

Fancy Cut Valley in Large Quantities.

H. N. BRUNS,

1409-1411 W. Madison Street, CHICAGO, ILL.

E. H. Hunt,

WHOLESALE.....

Cut Flowers

THE "OLD RELIABLE,"

76 Wabash Ave., CHICAGO.

GEO. REINBERG,

Wholesale Grower of *Cut Flowers*

Choice American Beauties.

We will take care of your orders at reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.

Headquarters for American Beauty.

51 Wabash Ave., CHICAGO, ILL.

JOHN MUNO,

Wholesale Grower and Shipper of **Cut Flowers**

Room 221, 51 Wabash Ave., CHICAGO.

TELEPHONE CENTRAL 3598. All telegraph and telephone orders given prompt attention.

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in **Cut Flowers**

All telegraph and telephone orders given prompt attention.

GREENHOUSES: Morton Grove, Ill.

35-37 Randolph Street, CHICAGO, ILL.

Please mention the American Florist when writing.

If You Have Stock To Sell...

the best way to make that fact known to the trade is by regular advertising in

Give it a trial. **...The American Florist.**

Choice CATTLEYAS

at 50 cents.

SAMUEL S. PENNOCK,
Wholesale Florist,
1612-18 LUDLOW ST., PHILADELPHIA, PA.

GEO. A. SUTHERLAND,
34 Hawley St., BOSTON.
Telephone 1270 Main.
BEST BOSTON FLOWERS. All Supplies.
An entire floor Devoted to Stock and Manufacturing. Distributing Agent for United States for the wonderful

"Koral" LETTER, unequalled for design work. Script, any color, 3½c a letter. Block letters, 1½c each. The most elaborate design work to order in a few minutes.

GENERAL AGENTS:
H. BAYERSDORFER & CO., Philadelphia.
REED & KELLER, New York City.

SPECIALTIES THIS WEEK:
Special American Beauty,
CARNATIONS,
Lily of the Valley, Violets.

CITY HALL CUT FLOWER MARKET
WELCH BROS., PROPS.
9 CHAPMAN PLACE,
15 PROVINCE STREET,
Boston, Mass.

The best market for Growers who can ship good Cut Flower stock.

J. K. ALLEN,
106 West 28th Street,
Telephone 167 Madison Sq. NEW YORK CITY.

N. F. McCARTHY & CO.
84 Hawley St., BOSTON,
ARE RECEIVING ELEGANT ROSES
ALL VARIETIES.
DON'T YOU WANT SOME?
Tel. 734 and 64 Main.

Geo. M. Moss,
WHOLESALE FLORIST,
32 South 17th Street, PHILADELPHIA, PA.
Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.

Wholesale Flower Markets

BOSTON, Feb. 5.

Roses, Beauty, extra	35.00@60.00
" " medium	12.00@20.00
" " culls	6.00@ 8.00
" Bride, Bridesmaid, Meteor.	4.00@ 6.00
" extra	8.00@10.00
Carnations	1 50@ 2 00
" fancy	3.00@ 4 00
Lily of the valley	2.00@ 3.00
Violets	.30@ .60
Harrisii lilies	8 00@12.50
Freesia	1.00@ 1.50
Narcissus Paper White	1.00@ 1.50
" Yellow	2.00@ 4.00
Roman hyacinths	.75@ 1.50
Tulips	2 00@ 3.00
Callas	8.00@10.00
Adiantum	.50@ 1.00
Smilax	10.00@12.00

PHILADELPHIA, Feb 5.

Roses, Tea	5.00@ 8.00
" " extra	10.00@12.00
" Beauty, extra	50.00@65.00
" " firsts	30.00@40.00
" Queen of Edgely, extra	75.00
" " " firsts	25.00
Carnations	1.00@ 3.00
Lily of the valley	4.00@ 5.00
Asparagus	25.00@50.00
Smilax	12.50@15.00

BUFFALO, Feb. 6.

Roses, Beauty	7.00@35.00
" Bride, Bridesmaid, Meteor	6.00@15.00
Carnations	1.50@ 4 00
Violets	.50@ 1.00
Lily of the valley	3.00@ 4.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.50

Give Us a Trial. We Can Please You.

Roses, Carnations and all kinds of Seasonable Flowers in stock.
WM. F. KASTING, Wholesale Commission Florist,
481 Washington St., Buffalo, N. Y.
Dealer in Florists' Supplies and Wire Designs.
Open Day and Night.

Marketing
For Flowers is a pleasure if done at the headquarters of the

The New York Cut Flower Company

Here is the choicest stock of the most eminent growers, fresh every morning and in full variety.
Goods selected and shipped to any part of the country.
Always room for growers looking for an outlet for good cut flower stock.

DAILY REPORTS. WEEKLY PAYMENTS.

SALESROOMS { 55 & 57 West 26th St., NEW YORK CITY.

TELEPHONES:
2239 Madison Sq.
2034 Madison Sq.
J. A. MILLANG, MANAGER.

Cut Harrisii Lilies.

I am growing the largest batch of lilies in New England. Have over 50,000 Harrisii besides plenty of Japans for Easter. Can supply blooms all the time from now till spring. Can fill orders for any quantityat an hour's notice.

H. N. EATON,
'Phone Connection. SO. SUDBURY, MASS.

EUGENE BERNHEIMER
Wholesale Florist,
Phone 14269 A.
1604 Ludlow St., Philadelphia.
CONSIGNMENTS OF ROSES SOLICITED.

YOUNG & NUGENT
42 West 28th Street,
NEW YORK.
Telephone 2065 Madison Square
Wholesale Florists.
PRICE LIST TO APPLICANTS.
Are shipping the finest in the New York market Roses, Carnations, Valley, Orchids, Novelties.

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS, LIBERTIES.
Lily of the Valley.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

GEORGE SALTFORD,
WHOLESALE DEALER AND SPECIALIST IN **VIOLETS**
50 West 29th St., NEW YORK.
Consignments solicited from good growers of VIOLETS.
Shipping orders attended to promptly.
Telephone 2230 Madison Square.

Walter F. Sheridan,
Wholesale Florist,
Telephone 902 Madison Square.
39 West 28th St., NEW YORK.

Telephone Nos. 2239 and 2034 Madison Square.
MOORE, HENTZ & NASH
Wholesale Commission Florists,
55 and 57 West 26th St., NEW YORK CITY.
Adjoining New York Cut Flower Co. salesroom.
Finest Salesroom in the Trade. Inspection Invited.
All business, selling or shipping, strictly commission.

WHOLESALE **WILLIAM GHORMLEY,** COMMISSION
RECEIVER AND SHIPPER OF FRESH CUT FLOWERS. DAILY STOCK OF ALL THE CHOICEST VARIETIES FROM BEST GROWERS WHO SHIP TO NEW YORK.
ORCHIDS, ROSES, CARNATIONS, VALLEY.
Largest receiver of VIOLETS in America
Telephone 2200 Madison Square, 57 WEST 28th STREET, NEW YORK CITY.

JOHN YOUNG
Special American Beauties,
Surpassing Carnations, Violets,
Lily of the Valley, Orchids,
and all Seasonable Flowers.
51 West 28th St., NEW YORK.
Tel. 1905 Madison Sq.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
30 West 29th St., New York.
Telephone 551 Madison Square.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange, NEW YORK.
Telephone 299 Madison Square.

ESTABLISHED 1872.
JOHN J. PERKINS,
COMMISSION FLORIST,
Solicits Consignments or Shipping Orders. Satisfaction given in both.
Write for Terms. 115 West 30th St., New York.

POPULAR WITH THE TRADE.
Therefore a profitable place to send your Flowers.
M. A. HART'S,
48 West 30th St., New York City.
Telephone 325 Madison Square.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
38 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

NEW YORK, Feb. 5.

Roses, Beauty, select	40.00@60.00
" " medium	10.00@30.00
" " culls	1.00@ 3.00
" Bridesmaid, Bride, Meteor	2.00@ 6.00
" " " extra	8.00@12.00
" Liberty	2.00@ 5.00
" Liberty special	8.00@20.00
Carnations	1.50@ 2.50
Carnations, specialties	4.00@ 5.00
Violets	.30@ .75
Lily of the valley	1.50@ 3.00
Roman hyacinths	.75@ 1.00
Paper White narcissi, Freesia	1.00@ 1.50
Yellow narcissi	1.50@ 3.00
Callas	10.00
Sweet Peas	1.00
Tulips, single	2.00@ 3.00
" double	3.00@ 4.00
Lilac, per bunch	1.00
Harrisii lilies	10.00@15.00
Cattleyas	10.00@40.00
Mignonette	2.00@ 6.00
Smilax	10.00@12.00
Asparagus	25.00@50.00
" Sprengeri, per doz. bun.	2.00@3.00
Adiantum	.75@1.00

CHAS. MILLANG,
50 W. 29th St.,
NEW YORK.

FORD BROS.
Receivers and Shippers of
FRESH FLOWERS.
Best Violets in New York market.
111 WEST 30TH ST., NEW YORK.
Telephone 157 Madison Square.

Julius Lang
53 West 30th Street, NEW YORK.
REPRESENTS THE BEST GROWERS OF
ROSES, CARNATIONS, VALLEY.
TELEPHONE 280 MADISON SQUARE.

ALEX. J. GUTTMAN,
Wholesale Commission Florist,
A full supply daily of the choicest New York and New Jersey
FLOWERS.
52 W. 29th Street, NEW YORK CITY.
Telephone 1738 Madison Square.

LIMPRECHT FLORIST SUPPLY COMPANY,
WHOLESALE Commission FLORISTS
and FLORISTS' SUPPLIES.
Also all kinds of Greens for Decorations.
119 West 30th Street, NEW YORK.
Telephone 1438 Madison Square.
Consignments Solicited.

A. H. LANGJAHR,
Wholesale Commission Florist,
BEST FLOWERS SHIPPED AT LOWEST NEW YORK PRICES.
19 Boerum Place, Brooklyn, N. Y.
TELEPHONE 939 MAIN.

Now in Season:
FREESIAS,
DAFFODILS,
TULIPS,
LILAC,
SWEET PEAS and
ACACIA.

EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Square, ...NEW YORK.
CUT FLOWERS AT WHOLESALE.

All Roses, Violets

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

J. E. NORTHRUP, Pres.; S. F. LEONARD, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

Twentieth annual convention, Twin Cities, Minn., June, 1902.

VISITED CHICAGO: George A. Tilton, of A. Tilton & Son, Cleveland, Ohio.

VISITED NEW YORK: E. M. Parmelee, of the J. H. Allan Seed Co., Picton, Ont.

C. S. CLARK, of Wakeman, Ohio, will soon build an addition to his seed corn warehouse.

C. P. BRASLAN and wife, of San Jose, Cal., are registered at the Waldorf-Astoria hotel, New York.

THE first large contingent of Dutch bulb drummers arrived at New York, February 5, on the S. S. Statendam.

VISITED ST. LOUIS: A. J. Brown, Grand Rapids; A. Haven, South Haven, Mich.; Joseph Rolker, New York; Wm. Trillow and A. Ringier, Chicago.

AT Racine, Wisconsin, this year 2,000 acres of cabbage will be grown in a district seven miles square. The seed is mostly sold by men who buy the cabbage crop when matured in the fall.

French Bulb Prices.

The French bulb prices just being fixed for the 1902 crop show an advance to the growers of from five to eight francs on leading items. The greatest percentage of increase is shown in the price of narcissi. It is believed by most dealers that the growers' syndicate will maintain the schedule as it did last season. During the past ten years white Roman hyacinths, twelve to fifteen centimeter size, have three seasons been above present rates, two times ten or twelve francs higher and once about three francs higher. During the other seven years the prices have been from fifteen to thirty francs lower than for 1902, one year selling as low as forty francs.

Farmers' Institute for Philadelphia County.

The programme for the Philadelphia County Farmers' Insitute, which has just been completed, is something of a departure from the usual wheat, corn and potato programme of the ordinary farmers' institue as now conducted. James Boyd, of Haverford, will give a talk on "The Best Old-Fashioned Flowers for the Home Garden," a subject on which he is an enthusiast, as any one can attest who has ever had the pleasure of seeing Mr. Boyd's fine collection at Haverford.

Joseph Meehan's subject is "The Best Shrubs and Trees for a Suburban Lawn." Mr. Meehan is a brother of the late Professor Thomas Meehan and is a famous nurserymen and botanist, like his celebrated relative. No one living is a better authority than Mr. Meehan on the subject chosen for him.

Jno. B. Lewis, the Philadelphia city forester, will give a timely talk on "How and When to Abate the Caterpillar Pest." During winter, when the trees are bare, much can be done to clear off nests of coming generations of worms, and Mr. Lewis will tell how best to go about it.

"The Mushroom as a Profitable Winter Crop" has been assigned to Joseph Kift, Jr., of West Chester, a grower of this toothsome esculent who has had great success during the past few seasons, and who has introduced several new ideas in mushroom house construction of a practical and up-to-date character.

The leading feature of the afternoon session will be the appearance of Secretary of Agriculture Hamilton and Dairy and Food Commissioner Cope. Mr. Hamilton will answer the question, "What is the Department of Agriculture doing for its important sub-divisions of horticulture, floriculture and forestry?" Mr. Cope will stand up and tell "The Truth about Oleo!" Both gentlemen have live and timely topics and everybody will be interested.

Other speakers are Hon. Thomas J. Phillips, "Commercial Fertilizers and their Uses;" Dr. M. E. Conard, "The Importance of Dairy Hygiene;" Prof. Wells W. Cooke, "Care and Feeding of Dairy Stock;" Calvin Cooper, "The Sprayer a Help to Fruit Growers;" S. R. Downing, "Improvement of the Soil."

James Cheston, Jr., the famous poultry and pet stock amateur, whose farm at Chestnut Hill is popularly supposed to be fenced with blue ribbons and where gold medals hang on every tree, is booked for a talk on "The Educative Value of Poultry Shows."

Lewis M. Haupt, civil engineer, will give an illustrated lecture on good roads.

The Institute will be held at Horticultural Hall, Broad and Locust streets, February 19, afternoon session commencing at 2 p. m., evening session commencing at 7:30 p.m. Edwin Lonsdale, chairman of the committee for Philadelphia county, will preside, and questions for the speakers to answer may be mailed to George C. Watson, Juniper and Walnut streets, who will also furnish complete programme of the exercises to any one desiring same. The meeting is one of the department's regular course and is held under the auspices of the Florists' Club of Philadelphia and the Pennsylvania Horticultural Society, free to the public, everybody welcome.

G. C. WATSON.

GRAND RAPIDS, MICH.—C. W. Scott, representing Vaughan's Seed Store, was a visitor this week.

NEWARK, N. J.—W. S. Manning, superintendent of the Essex county parks, is ill with appendicitis.

UTICA, N. Y.—W. A. Rowlands has let the contract for two more large greenhouses to be added to his plant.

BRISTOL, N. H.—Smith D. Fellows sold his range of 12,000 feet of glass to his brother, Leslie H. Fellows, who has removed and will re-erect them at Hyde Park, Mass.

SPECIAL OFFER JAPANESE FERN BALLS, LILIUM AURATUM AND DOUBLE PAEONIAS.

JAPANESE FERN BALLS—Fresh importation, 6-in. diameter, each 25c; $2.50 per dozen; $20.00 per 100. 7-in. diameter, each 30c; $3.00 per dozen; $23.00 per 100.

LILIUM AURATUM, 9-11 (scarce), per doz., 85c; $6.00 per 100.

DOUBLE PAEONIA CHINENSIS. We have just received a consignment of exceptionally fine Paeonia Chinensis. The roots average three to four strong eyes, and the mixture comprises all the colors blended in a satisfactory proportion. Per dozen, $1.00; per 100, $7.00.

SOW JOHNSON & STOKES KINGLY COLLECTION PANSY if you wish to increase your Pansy sales. The most popular and effective strain in the trade. Half trade packet (1000 seeds), 30c; trade packet (2000 seeds), 50c; 5000 seeds, $1.00; ounce, $5.00.

JOHNSON & STOKES,
217 and 219 Market Street, PHILADELPHIA, PA.

Pearl or Cat-Tail
MILLET SEED

Large quantity of choice new crop seed just received. Prices quoted on request.

We can also supply TEOSINTE, BEGGAR WEED, JAPAN CLOVER, BERMUDA GRASS SEED, and all other Southern Specialties to best advantage. Write for prices, stating quantities desired.

T. W. WOOD & SONS
SEEDSMEN, RICHMOND, VA.

Francis Brill,
SPECIALIST IN
Cabbage and Cauliflower Seed
HEMPSTEAD, Long Island, N. Y.

GOLD MEDAL GLADIOLI

Groff's Hybrid Gladioli Received the Gold Medal and Thirteen First Awards at the Pan-American Exposition. I have the Latest and only Complete Collection of GROFF'S HYBRIDS in the United States, and control over Seventy-five per cent. of all Stock Grown and Introduced by Mr. Groff. Write for catalogue.

ARTHUR COWEE, GLADIOLUS SPECIALIST, MEADOWVALE FARM, BERLIN, N. Y.

ESTABLISHED 1802

THORBURN'S SEEDS

have been the standard of excellence for a hundred years, and were awarded the GOLD MEDAL both at the Paris Exposition of 1900 and Pan-American 1901. Our Wholesale Price List of Flower Seeds, etc., for Florists, will be mailed on application, and our Trade Price List of Vegetable and Flower Seeds to seed dealers.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

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OF THE
AM. SEED TRADE ASSOCIATION
$2.00,
In either stiff or flexible cover. ADDRESS ORDERS TO AMERICAN FLORIST CO., CHICAGO.

Kennicott Bros. Co.

WHOLESALE COMMISSION FLORISTS
AND DEALERS IN ALL KINDS OF **FLORISTS' SUPPLIES.**

WE are supplying all comers for roses, even in these times of great scarcity in the rose market. Qualities are excellent. Carnations were never better. Whatever you want, you can get it here.

Specialties: Klehms' Novelty Tulip and Lily of the Valley from home grown pips, the biggest valley ever grown.

42-44 Randolph St., CHICAGO.

CARNATION CUTTINGS.

We are in a position to supply strictly clean, healthy, well rooted Carnation Cuttings. All the novelties and standard sorts. Whatever your wants, let us quote prices before you place an order. We can interest you. Also on

ROSES and Violet Plants

Remember that when it comes to

Wire Work

we can discount any list you ever saw, our own included. Write.

"MIKADO" FERN BALL

Start a number of them now. They sell like "Hot cakes" when in leaf. We are headquarters for

Selected Balls.

See front cover for prices.

Vaughan's Seed Store
84-86 Randolph St., CHICAGO.
14 Barclay Street, NEW YORK.

Please mention the American Florist when writing

ASPARAGUS

PLUMOSUS, 2½, 3 and 4-inch.
SPRENGERI, 2½, 3 and 4-inch, extra nice stock.
GERANIUMS, 2½ and 3-inch, red, white, pink and salmon. Write

GEO. A. KUHL, PEKIN, ILL.

FOR SALE.

1000 POINSETTIAS

Strong dormant stock, at $6.00 per 100.
CASH WITH ORDER.

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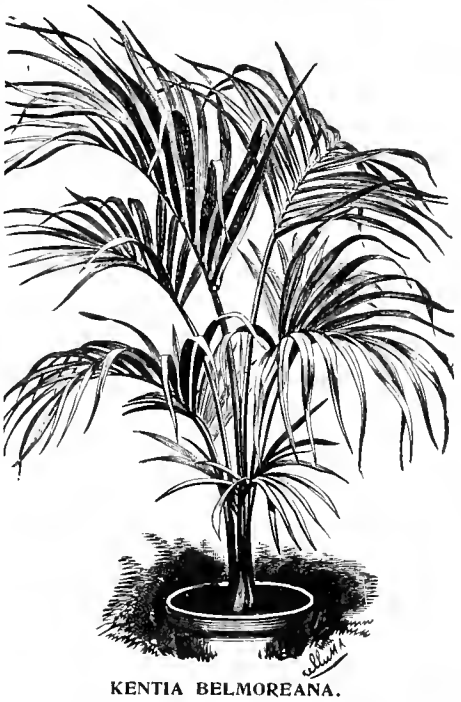
Dreer's Palms!

For RETAILING and DECORATING.

GOLD MEDAL—Pan-American Exposition.....1901
SILVER CUP—Buffalo Florists' Club.....1901
CERTIFICATE OF MERIT—Society of American Florists.....1901

The following sizes and varieties will be found of exceptionally good value.



KENTIA BELMOREANA.

ARECA LUTESCENS.

Inch pots.		Inches high.	Per doz.	Per 100
3	2 plants in a pot	12 to 15	$1.25	$10.00
4	3 " "	15 to 18	3.00	25.00
			Each	Doz.
6	3 " "	28 to 30	$1.00	$12.00
8	3 " "	30 to 36	2.50	30.00

KENTIA BELMOREANA.

Inch pots.		Inches high.	Per doz.	Per 100
3	5 leaves	10 to 12	$2.50	$20.00
4	5 to 6 "	15	4.50	35.00
			Each.	Doz.
6	6 "	24 to 28	$1.25	$15.00
6	6 "	28 to 30	1.50	18.00
7	6 to 7 "	30 to 32	2.00	24.00
7	6 to 7 "	34 to 36	2.50	30.00
8	7 "	36	4.00	48.00

8....4 plants in a pot, well-furnished, 3½ feet high, fine plants, $4.00 each, $48.00 doz.

KENTIA FORSTERIANA.

Inch pots.		Inches high.	Per doz.	Per 100
3	5 leaves	12 to 15	$2.50	$20.00
4	5 to 6 "	15 to 18	4.50	35.00
5	5 to 6 "	18 to 20	6.00	50.00
			Each.	Doz.
6	6 "	28 to 30	$1.00	$12.00
6	5 to 6 "	30	1.25	15.00
6	5 to 6 "	30 to 33	1.50	18.00
7	6 "	30 to 36	2.00	24.00
8	6 "	42	2.50	30.00
8	6 "	42 to 48	3.00	36.00

8....2 to 3 plants in a pot, 3½ to 4 feet high, $4.00 each, $48.00 doz.

PHOENIX CANARIENSIS.

Inch pots,	Inches high.		Each
6	24 to 28	bushy, stocky, plants	$1.25
7	26 to 28	" "	1.75
8	28 to 31	" "	2.00
8	30 to 36	" "	2.50

Inch tubs.	Feet high.		Each
12	3½ to 4	bushy, stocky plants	$6.00
13	4 to 4½	" "	7.50

For the most complete list of Palms and Decorative Stock, as well as all seasonable Florists' Stock, see our current Wholesale List.

HENRY A. DREER,

714 CHESTNUT ST., PHILADELPHIA, PA.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

R. C. BERCKMANS, Pres.; R. J. COE, Vice-Pres. GEORGE C. SEAGER, Rochester, N. Y., Sec'y.
Twenty-seventh annual convention, Milwaukee, Wis., June, 1902.

THE Midland Nursery Co., Des Moines, Ia., has been incorporated by O. H. Robinson, W. C. Ballard and W. E. Chapin, with $25,000 capital stock. It is the purpose to largely extend the business.

Notes of the Parks.

The South Parks Board of Chicago has accepted sites for about a dozen small parks, largely in the neighborhoods where workingmen make their homes, which will be acquired and developed at an expense of about $600,000.

The West Park Board has voted to issue bonds for a million dollars for the purpose of acquiring sites for small parks. This project has the support of the people but recent increases in salaries and the addition of names to the pay roll has brought much newspaper censure upon the board. Wm. Cooke has been elected general superintendent.

Walter Hubbard of Meriden, Conn., has donated to the city a tract of land on both sides of Harbor Brook, known as Brookside, and at his own expense built roads, walks and bridges, and otherwise beautified it. Mr. Hubbard has in the past been a very generous donor of park reservations for Meriden. Hubbard Park, which was largely a gift from this public-spirited gentleman contains about 1,000 acres.

The Appalachian Mountain Club and Massachusetts Forestry Association are raising by subscription a fund of between $2,000 and $3,000 for the purpose of purchasing the giant pines in Carlisle and the ten acres of ground on which they stand and opening the tract for visitors. These trees are estimated to be over two centuries old and are the finest specimens now left of the original growth of white pine which once covered New England.

Trees and Shrubs.

Considering the advanced season and severe weather behind us, a number of tender plants can still be saved from injury by frost if attended to immediately. The changeable weather of late winter and early spring does more damage to a majority of plants than all the cold of winter, and it is, therefore, during March and part of April that protection in the way of straw, leaves, canvas or boards is needed more than at any other time. Indeed, early covering will often attract mice to this warm abode, which will feed on the plants and do more damage than winter cold.

The right time to cover up is as soon as the ground is frozen solid. Tender plants in a sunny situation are more liable to be damaged by frost than if protected from the noonday sun. Often a board to keep off the direct sun is all the protection needed. This is especially so with evergreen plants. A heavy mulch around the tree or shrub to keep the frost away from its roots is also very beneficial, particularly to such species as hold on to their foliage during winter. Here the constant evaporation, increasing with the rise of the sun, needs continuous support in the way of water absorbed by the roots and through the laws of radiation transmitted to the leaves. This will explain why it is beneficial to keep the frost away from the roots of evergreens, especially in their early age, when their roots have not penetrated the soil to such depth as to be free from frost.

Nature offers protection to its children in the way of undergrowth, leaves or in the pine and spruce forests, a thick layer of needles that frost rarely penetrates. This will account for the fact that plants transplanted from the woods will winter kill in the exposed border. This I have found to be the case with the beautiful cardinal flower, Lobelia cardinalis. But is this any wonder? At the present writing there is 12° to 18° of frost on open lands and none in the woods.

Tree pruning can be carried on during nice weather. Trees in which the sap commences to run early as, for instance, soft maples, should be attended to immediately. Many object to tree pruning during the winter months, claiming the impossibility of detecting dead wood. This is all bosh. The experienced gardener never misses a dry limb. But the amount of bad pruning done perhaps tends to show that there is a scarcity of the latter.

The pruning of shrubbery is better left until spring or midsummer, according to the varieties that need pruning.

The winter months are the proper time for fighting some of our worst enemies in the way of insects. Egg masses and cocoons can be found in the crevices of the bark of old trees or hanging to the limbs. On small places hand picking is the most satisfactory remedy. Where they are out of reach a simple appliance by which to exterminate them is found in tying a rag at the end of a long pole. This rag is dipped in creosote and applied to the egg masses. Where the oyster shell bark louse is present, give the infested part a good wash of kerosene emulsion

JAMES JENSEN

MADISON, WIS.—Fred. Rentschler having plans drawn for a new residence to cost $5,000.

ANOKA, MINN.—D. O. Pratt is pushing the work of construction on three greenhouses each 300 feet long.

ATLANTA, GA.—The Lambert Floral Co. has sold the name "Lambert" to Lambert Bros. and applied for change of charter to Atlanta Floral Co.

HELENA, MONT.—Mrs. Mattie Miller is making haste in the erection of a new greenhouse 20x80 for spring bedding plants. Two other houses of the same size are then to be added and all three given to carnations next season.

Rhododendron Maximum AND Kalmia Latifolia

The two best native Evergreen Shrubs for out-of-door ornamentation. Furnished by car load lots or in smaller quantities. Send for prices, also Special Rhododendron circulars. VINCA MINOR—10,000 3-inch clumps for sale cheap. Fine lot of general nursery stock.

EASTERN NURSERIES, M. M. Dawson, Mgr. **Jamaica Plain, Mass.**

Choicest Fruit and Ornamental Trees.

Shrubs, Plants, Bulbs, Seeds. 40 Acres Hardy Roses. 44 Greenhouses of Palms, Everblooming Roses, Ficus, Ferns, Etc. Correspondence solicited. Catalogue Free. 47 Years. 1000 Acres.

THE STORRS & HARRISON CO., Painesville, O.

IMPORT FREIGHT AGENTS DELAWARE, LACKAWANNA AND WESTERN RAILROAD CO., AT NEW YORK, N. Y.

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ORNAMENTAL AND FOREST TREES A SPECIALTY.

Conifers, Evergreens, Hollies, Etc.

Prices on Application.

Send to **THE MOON** Company

For Your { Trees, Shrubs, Vines and Small Fruits.

Descriptive Illustrated Catalogue Free.

THE WM. H. MOON CO. Morrisville, Pa.

Please mention the American Florist when writing

Park Architects and Dealers

will find whatever they want in the

Holland Nurseries, DeBilt near Utrecht

HOLLAND.

SPECIALTIES ARE: Conifers, Evergreens, Hardy Shrubs, Lilacs, Ornamental Trees, Fruit Trees in different forms, Azaleas, Rhododendron Ponticum and Hybridum.

Please send list of your wants and write for general catalogue. We will make you special offers. Write to

GROENEWEGEN & ZOON,

De Bilt, near Utrecht, Holland.

Rhododendrons "Mtn."

Choice plants..6 to 10 in., 75c per 10; $5 00 per 100
" " 12 to 18 in., $1.50 per 10; 12.50 per 100
Special prices on large lots. Cash with first order.
Rhododendron Leaves for festoonings, 50c per 1000

J. N. PRITCHARD, Elk Park, N. C.

There Are Buyers

For all kinds of good stock advertised in.....

THE AMERICAN FLORIST

We Can Show Them All "Where They Get Off!"

RESULTS are what count. Poor Results and You "Get Off" at "Little Doing." GOOD RESULTS and you ride in Automobiles whenever You say "GO."

Profitable Easter Sales result from **HUNT'S "CATCHY NOVELTIES"** and here's the Place to "Get Off," as there is no place in America where a Finer Line of **Baskets, Cords, Mattings, Crepe Papers,** etc., is shown. Would you like to look over this line? Send to us for our **Portfolio of Colored Photographs** exactly reproducing, in natural colors, a line of our **Best Baskets, Hampers, Ferneries, Flat Dishes, Center Pieces, Wheelbarrows, Automobiles, Vases, Pot Covers, etc.,** also a colored plate of our Ribbon Bows showing many new and novel Ideas in the Correct Colors.

Send for this portfolio, look it over and you will gain many new ideas. If you see anything you want—order it, and we will take care of you nicely—if not, its all right any way—then return the Book to us by Express. Hunt pays the bill both ways. We will also send a pad of Porto Rican Matting samples, of Plain and Fancy Patterns.

Plain Porto Rican Matting	$2.00 per doz.
Fancy Porto Rican Matting	3 00 per doz.
Crepe Machet Waterproof Paper	.25 per roll.
Hunt's Special Gauze Cords, No. 5	1.25 per doz.
Hunt's Special Gauze Cords, No. 3	1 00 per doz

E. H. Hunt 76-78 Wabash Av. CHICAGO.

Dahlias

Mrs. Winters

THE WORLD'S BEST WHITE DAHLIA. Novelties and Standard varieties. 18 yrs'. experience and have failed of no prize competed for.

See my catalogue before placing your order. Also fine field-grown Hollyhocks at $2.50 per 100. Cannas, Pæonias and Hardy Plants. Cheap mixtures are dear; get the best.

W. W. WILMORE, The Dahlia Specialist, Box 382, DENVER, COLO.

NEW CROP SEEDS!!

ASTER DAYBREAK, finest pink, true stock	1/8-oz.,	40c	oz.,	$2 50
ASTER SEMPLE'S BRANCHING, white, pink, lavender, crimson, purple	"	25c	"	1.50
ASTER VICK'S BRANCHING, pure white	"	25c	"	1.25
ASTER QUEEN OF THE MARKET, white, rose, dark blue	"	20c	"	.75
SALVIA SPLENDENS	"	25c	"	1.50
SMILAX	oz.,	35c	lb.,	3.50
VERBENA MAMMOTH, finest mixed	1/8-oz.,	25c	oz.,	1.00
ASTER, PAEONY PERFECTION, pink, crimson, light-blue, dark blue, td. pkt.		25c	"	1.50
ASTER, PAEONY PERFECTION, finest mixed	"	20c	"	1.25

Other seasonable seeds, also a full line of rooted cuttings of Carnations, Chrysanthemums, Roses, vigorous stock grown by the Lake View Rose Gardens, are fully described in our trade list.

WALTER MOTT SEED & BULB CO., JAMESTOWN, N. Y.

500,000 VERBENAS.

60 finest named varieties, including our NEW MAMMOTH WHITE, "MRS. McKINLEY." The finest white verbena grown; perfectly healthy; free from disease. Rooted cuttings, 60c per 100; $5 00 per 1000. Plants, $2.50 per 100; $20.00 per 1000. Our list is the choice of millions of seedlings. Send for circular.

J. L. DILLON, BLOOMSBURG, PA.

BOSTON FERNS

READY FOR EASTER. We have the largest stock in the west, in 4, 5, 6, 7, 8 and 10-inch; two last sizes are fine specimen plants. You will want some for Easter.

.....WRITE.....

GEO. A. KUHL, PEKIN, ILL.

BEGONIA GLOIRE DE LORRAINE,

2¼-inch pots, $15.00 per 100.

Write for prices on large lots. Stock guaranteed absolutely free from disease.

THOMAS ROLAND, Nahant, Mass.

PALMS.

HOME-GROWN, FINE, CLEAN STOCK; GROWN COOL.

Write for Price List. J. B. HEISS,
The Exotic Nurseries. DAYTON, OHIO.

VINCA VARIEGATA

Rooted cuttings, well rooted, $1 per 100; $7.50 per 1000.

FORGET-ME-NOT, true winter flowering, out of 2½-in. pots, $2.00 per 100; $15.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

SPECIALTIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery,
CHRYSANTHEMUMS,
SMILAX, VIOLETS.

In Best Varieties

Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.

Crimson Rambler Roses

$10, $12 and $15 per 100. Field-grown plants, just the kind for forcing.

The Conard & Jones Co, West Grove, Pa.

SUCCESSFUL SELLERS

are the successful growers who advertise in

THE AMERICAN FLORIST.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 79 Milk St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

THE employes of Hitchings & Company have made all arrangements for their fourth annual reception to be held at Elks' Hall, York and Henderson streets, Jersey City, N. J., on the eve of the anniversary of Lincoln's birthday, February 11. A good time is assured to all their friends and acquaintances who find it convenient to attend.

At Jamestown, N. Y.

The rose growers took the carnation men into camp again on the evening of January 30, when they rolled the following score:

CARNATION GROWERS.

Player	1st	2d	3d	4th	T'l
Cap. Hermon	110	161	136	175	582
A. Wasson	143	138	146	185	612
A. Scott	158	147	135	107	547
J. Lydon	120	97	104	116	437
S. Carlson	111	105	106	89	411
Total	642	648	627	672	2589

ROSE GROWERS.

Player	1st	2d	3d	4th	T'l
Capt. Brooks	136	149	142	139	566
Wm. Coyne	157	167	146	173	643
M. McCue	96	178	152	155	581
C. Gunton	147	86	133	146	512
E. Bowyer	152	115	127	175	569
Total	688	695	700	788	2871

W.

Handicap Bowling Tournament.

On Lincoln's birthday, February 12, the Florists' Club of Philadelphia announces a handicap bowling tournament open to members only, in celebration of its team having won the championship of Philadelphia in the academy tournament. The prize money won by the team has been doubled by the club and eight individual trophies are now offered. The tournament will commence at two p. m. and continue during the afternoon and evening. Light refreshments will be served. The following are the entries, with the handicap allowed to each figured on records for six months:

Player	H'd'p.	Player	H'd'p.
Johnson	scratch	Baker	19
Mooney	3	Watson	19
Dunham	5	Gibson	19
Harris	7	Graham	20
Moore	8	Reibenack	20
Moss	8	Holmes	20
Kuestner	10	Burton	20
Connor	12	Craig	22
Starr	12	Sweet	22
Allen	12	Hallowell, W.	23
Kift	12	Leaver	23
Archer	13	Dunlap	24
Westcott	14	Gill	24
Eimerman	16	McElroy	26
Polites	16	Falck	26
Bonsall	17	Farrell	26
Rust	18	Koenig	35
Adelberger	18	Hanna	45
Anderson	18	Hallowell, C.	50

The committee having the tournament in charge, George M. Moss, George C. Watson and John W. Dunham, has made the following special rules:

1. One other member must be bowling when the game is rolled and candidate must declare his intention that the game is for prize before he commences.

2. Any Florists' Club member not also a member of the bowling club or the teams that competed at the academy must pay an entry fee of 50 cents to the committee before commencing the game.

3. All games to be run off under the rules of the American Bowling Congress.

William Falck has been appointed official scorer. G. C. WATSON.

At New York.

F. W. Lentz, secretary of the bowling club, has not been able to participate in the game since he has had a "game leg" as the result of a collision with a trolley car. There were but four members present February 3 and Mr. Taylor was allowed from twenty to fifty pins from the other crack bowlers, because he is not in their class. But he surprised them a few times by beating them out and the scores were as follows:

Player.	1st	2d	3d	4th	5th	6th
Theilmann	183	134	149	199	150	203
Smith	151	185	152	178	155	119
Hafner	122	157	161	134	101	151
Taylor	109	117	132	133	86	148

At Chicago.

The following is the record of the games rolled on Chicago alleys, Tuesday evening, February 4:

ALL STARS	1st	2d	3d	T'l
Chas. Hunt	162	135	114	411
Chas. Balluff	178	134	170	482
Ed. Hauswirth	118	175	125	418
Chas Hughes	125	134	116	375
Total	583	578	525	1686

RETAILERS	1st	2d	3d	T'l
P. J. Hauswirth	194	146	174	514
J. Heubner	159	119	157	435
John Lambros	166	127	153	446
Geo. Asmus	174	186	123	483
Total	693	578	607	1878

GROWERS	1st	2d	3d	T'l
Geo. Stollery	149	191	194	534
Fred. Stollery	176	139	179	494
Walter Kreitling	138	166	111	415
F. Matte	146	168	157	471
Total	609	664	641	1914

WHOLESALERS	1st	2d	3d	T'l
Jos. Foerster	169	205	191	565
L. Coatsworth	167	114	139	420
Ed. Beothey	133	166	169	468
E. F. Winterson	176	193	167	536
Total	645	678	666	1989

Philadelphia.

TRADE LIVELY AND THE DEMAND FOR GOOD FLOWERS HARD TO SATISFY.—PRICES AT A HIGH LEVEL.—CLUB HOLDS AN ANIMATED SESSION.—NOTES OF VARIOUS DOINGS.

Things have been moving along lively the past week, there having been a goodly number of dinners and other social functions that have kept the surplus from accumulating and made a demand for all first-class stock that was hard to fill. The dull weather, of which we have had a surfeit of late, has made the stock scarce and prices are well up. Select Beauties are bringing $8 per dozen while $15 is asked for the best teas. Carnations are in good supply and the quality is all right. Prices range from $1.50 to $6, the latter for a few of the extras. Violets are in good shape and sell fairly well. Lily of the valley is plentiful at from $3 to $4. The new crop is in better form and the leaves are more in evidence.

The February meeting of the Florists' Club was a rather windy affair. There has not been so much eloquence let loose for many a long day. Geo. Moss read a very practical paper on how to pack, cut and ship cut flowers. This appears in another column of this paper and should be read by most cut flower shippers. There were two severe wind storms, one over the acceptance of a supplementary report of the Helen Gould rose committee and the other as to whether the bowling club should be given charge of the selection of a team to represent the club at Asheville next August. The Bowling Club gets the honor and while the club accepted the supplementary report of the committee on the Helen Gould rose, they did not care a picayune whether it was published or not, and so voted.

Hugh Graham had the decorations for the dinner of the millionaires last Wednesday. It was a magnificent affair, with the flowers in keeping with the occasion. Cattleyas, lily of the valley and acacias were the principal kinds used.

B. Stahl had the decorations for the German-American ball at the Academy of Music Monday. They were quite elaborate and very much admired. K.

SHELBYVILLE, IND.—Charles Werner & Son, wholesale confectioners and tobacconists, are building a range of commercial greenhouses.

WOOSTER, O.—The large greenhouses of C. Z. Yoder, northeast of town, were wrecked by fire January 27, entailing a heavy loss.

NORWICH, CONN.—As the result of a disagreement about working on Sunday, Peter Long, 55 years old, shot Mrs. Abraham Plant, who employed him as gardener. The wound is not dangerous.

THE
NEW YORK CUT FLOWER CO.
OFFERS
DESIRABLE WALL SPACE
FOR ADVERTISING PURPOSES.
J. A. MILLANG, MGR. 55-57 West 26th Street, New York.

RAFFIA NATURAL COLORED.
VAUGHAN'S SEED STORE,
CHICAGO and NEW YORK.

CINERARIAS for EASTER
3-inch and 4-inch stock. Fine.
Place your order now for SMILAX, 2½-inch. Write
GEO. A. KUHL, PEKIN, ILL.

GERANIUMS.
Double Grant, Bruanti, Alphonse Riccard, J. J. Harrison, Mme. Thibaut, John Doyle, Beaute Poitevine, Mme. Jaulin, Gloire de France, La Favorite, S. A. Nutt, Kelway, Frances Perkins, etc., labeled, from 2½-inch pots, $3 per 100; $25 per 1000. Mixed, my selection, $2.50 per 100; $20 per 1000.
PAUL MADER, East Stroudsburg, Pa.

EXTRA CHOICE FLOWER SEEDS.
List free on application.
FRED. ROEMER, Seed Grower,
Quedlinburg, Germany.

ELECTROS...
For Catalogue Purposes.
WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock
Price for cash only 15 cents per square inch.
THE AMERICAN FLORIST CO.,
.....324 Dearborn St., CHICAGO.

Everything For Florists.

CUT FLOWERS, SUPPLIES, SEEDS, BULBS AND ALL REQUISITES.

Just Received, fine lot of JAPANESE FERN BALLS, $3.50 per doz. $25 per 100.

Send for Complete Catalogue.

McKELLAR & WINTERSON

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American Beauties. Carnations. Valley.

HIGH GRADE FLOWERS OF ALL KINDS.

LEO. NIESSEN, Wholesale Florist, N. W. Cor. Filbert & 13th St., Philadelphia.

COMMISSIONS CARRIED OUT IN LONDON

or any part of Great Britain.

Messrs. WILLS & SEGAR will attend to any commission from American florists for the supply of Cut Flowers, Birthday Flowers, Bouquets, High Class Floral Designs, etc., to their clients who may be traveling in England.

WILLS & SEGAR, Court Florists to His Majesty, The King.
ROYAL EXOTIC NURSERY,
TELEGRAMS, Onslow Crescent, South Kensington,
FLOSCULO, LONDON. LONDON, ENGLAND.

CARNATIONS

Rooted Cuttings.

All well rooted; must get them out of sand; down goes the price. Now is your chance to get strong rooted cuttings to make good plants for next summer.

QUEEN LOUISE, $4.00 per 100; $35 per 1000.

FLORA HILL, DAYBREAK, CRANE, AMERICA, CROCKER, LIPPINCOTT, MACEO — $1.25 per 100; $10.00 per 1000.

☞ Write for price list on large orders. Cash with order.

MERCER FLORAL CO., Trenton, N. J.

Boston Ferns

Fine, strong, young plants, $3.00 per 100; $27.50 per 1000.

Edwin Lonsdale, Wyndmoor, Chestnut Hill, Pa.

.....If your.....

Business Methods

are right you can make a profit on an advertisement here.

Faxon's Mammoth VERBENAS.

My seed is saved from an elegant collection of named varieties, and produces very large flowers of the richest and most brilliant colors; this, my best mixture, will produce healthy plants, and is exactly what you want—order to-day. OUNCE, $2; ½ OUNCE, $1; ¼ OUNCE, 50 CENTS. By mail; postage paid.

M. B. FAXON, 31 State Street, **Boston, Mass.**
FLOWER SEED SPECIALIST.

100,000 Pansies.

The Jennings' Strain, extra fine plants, all transplanted, many are fringed and curled, strong plants, $4.00 per 1000, express; 75c per 100 mail. Large plants, $1.00 per 100, by express only. Stock the finest. Grown in cool houses. Seed, $1.00 per pkt. Cash.

E. B. JENNINGS, Lock Box 254, Southport, Conn.
Grower of the Finest Pansies.

GET THE NEW

ASPARAGUS COMORENSIS.

It grows much faster than any other variety.

Strong plants from 3-inch pots, $10.00 per 100.
" " " 2½-in. pots, 5.00 per 100.

C. EISELE, 11th & Jefferson Sts., PHILA.

PANSIES.

50c. per 100. $3.00 per 1000.

GERANIUMS

16 var. fine 2½-in. pots, $3.00 per 100.

CASH. **JOS. H. CUNNINGHAM, Delaware, O.**

CYCLAMENS, 4-inch, $8.00 per 100. **Azaleas,** best sorts, 10 to 12-inch, $30.00 per 100. **Calceolarias,** 2¼-inch, $3.00 per 100; 200 for $5.00. **Cinerarias** from London Prize Show Flowers, 3-inch, $3.00 per 100; 4-inch, $6.00 per 100.

WHITTON & SONS, City and Green Sts., Utica, N. Y.

A good adv. in a good paper will bring good returns.

CANNAS

Dormant Roots, 1 to 3 eyes.

	Per 100	Per 1000
Africa	$6.00	
Allemania	2.50	$20.00
Alphonse Bouvier	3.00	
Alsace	4.00	
Asia	5.00	
Austria	2.00	15.00
Beaute de Poitevine	3.50	
Black Beauty	12.00	
Burbank	2.50	20.00
Captain Dragon	6.00	
Chas. Henderson	1.50	
Chevalier Besson	4.00	
Comte de Bouchaud	4.00	
Crimson Bedder	3.50	
Egandale	4.00	
Explorateur Cramphel	4.00	
Fair Persian	4.00	
Florence Vaughan	4.00	
Golden Bedder	3.00	
G. St. Hilaire	3.50	
Italia	1.50	12.00
J. T. Lovett	3.50	
La France	4.00	
Leonard Vaughan	6.00	
M. Laforcade	3.00	
Mlle. Berrat	4.00	
Mme. Crozy	4.00	
Mme. Molin	4.00	
Mme. Monteflore	2.00	15.00
Mme. Sallier	6.00	
Morning Star	2.00	15.00
Papa	4.00	
Paul Marquant	2.50	
Philadelphia	5.00	
Queen Charlotte	3.50	
Robusta	2.00	15.00
Rose Unique	4.00	
Secretary Chabanne	4.00	
Souv. de Antoine Crozy	5.00	
Mixed, all colors	1.00	8.00

Pot up Cannas now. Ask for our Special Spring Catalogue.

This offer is made subject to stock being unsold upon receipt of order.

BOBBINK & ATKINS,
RUTHERFORD, N. J.

Please mention the American Florist when writing.

ROOTED CUTTINGS OUR SPECIALTY—**Geraniums** from 2¼-inch pots, named, $2.50 per 100; $22.00 per 1000. **Verbenas,** all standard named kinds, 60c per 100; $5.00 per 1000. **Heliotrope,** 14 named varieties, $1.00 per 100; $8.00 per 1000. **Petunias,** 24 varieties, $1.25 per 100. **Salvias,** 5 varieties, $1.00 per 100. **Ageratums,** 5 varieties, 60c per 100. **Coleus,** 34 varieties, 60c per 100; $5.00 per 1000. **Alyssum,** $1.00 per 100. **Feverfew,** $1.00 per 100. Express prepaid on all Rooted Cuttings. Satisfaction guaranteed. Cash with order. Write—

S. D. BRANT, CLAY CENTER, KAN.

Please mention the American Florist when writing

Cleveland.

TRADE ACTIVE THE PAST WEEK.—SCARCITY OF ROSES MAKES A MARKET FOR ALL BULBOUS FLOWERS.—THE PREVAILING PRICES.—THEATRE TRADE NOTICEABLE FOR ITS ABSENCE.

Business for the past week has been very enconraging, quite a contrast to the preceeding period. Cut flowers and blooming plants sold in a very satisfactory manner and there was quite a demand for palms and Boston ferns. The scarcity of roses has proven very advantageons for the disposal of bulbous stock, there being a demand sufficient to keep down any surplus, which is very gratifying considering the large quantity coming into market. But it is feared these conditions will not last long with Lent so close at hand. While the Lenten season does not cut so much of a figure in the flower trade as it did in former years, yet there is a certain stagnation of the business for the first week or so which generally creates a glut, especially in the bulb line. Von Sions are coming in fine now and sell well at $4 per hundred. Tulips bring $3 and $4, Romans $2 and $3, Paper Whites $3, and some extra fine Golden Spur $4. Lily of the valley is good at $3 and $4. Callas are very scarce and good ones readily bring $2 per dozen. Roses range from $5 to $12, with a few extra fine ones at $15. Carnations are very fine, the price being $2 to $3 for common and $5 for fancies.

There is one feature of the cut flower business in this city which is noticeable by its absence, and that is the theatre trade. It is customary in the eastern cities and towns, and in the west for that matter, for the patrons of the theatres to show their appreciation of the work of the actors by presenting them with bunches and baskets of flowers over the footlights. Sometimes an actress will receive as many as a dozen bunches of an evening. Here it is a thing unknown. The writer has to hear of the first bunch being passed over the footlights. The dealers say it is not the custom, a fact which is very much to be deplored, as it often adds a good many dollars to the coffers of the florists. Some one ought to start the ball rolling and perhaps the fad would be taken up.

G. M. Naumann intends exhibiting his seedling carnation, Louise Naumann, at Indianapolis. It is a cross between Tidal Wave and Scott, dark pink in color. He does not claim it is a fancy, but says it will produce a great many more flowers than Scott, has a stiffer stem and does not burst its calyx. ECHO.

RACINE, WIS.—January was a big month for local people and A. J. Fidler says the prospects are bright. Azaleas are selling well and the prices of cut flowers are high.

CANNAS 50,000. All the best Sorts.

DAHLIAS. 60 best sorts.
GERANIUMS. 2-inch, $25 per 1000.
GLADIOLUS. immense stock of Groff's Hybrids and various other strains, mixtures and named. Get our special low figures.

C. BETSCHER, CANAL DOVER, O.

CANNAS 2, 3 or more eyes, Mme. Crozy, A. Bouvier Phila., Crimson Bedder, M. Bouchaud, Queen Charlotte, P. Marquant, etc., $2.00 per 100; Duke of Marlborough, Black Prince, new, $3.00 per 100. Finest mixture of all colors, $1.00 per 100.
FOR EASTER! CINERARIAS. Henry & Cannell's Prize Strains, 3 in., $3.50 per 100. **STOCKS,** German dwarf, wall flower-leaved, blue, white, red, each kind, 2-in., $2.00 per 100. Cash please.
Shellroad Greenhouse Co., Grange, Baltimore, Md.

The Mrs. E. A. Nelson

Bids fair to become the **COMMERCIAL STANDARD** pink carnation. It is a healthy grower, a free and continuous bloomer and it is sure to thrive wherever grown.

The following letter from Messrs. Robert Craig & Son speaks for itself:

PHILADELPHIA, PA., Jan. 6th, 1902.

S. S. SKIDELSKY. *Dear Sir:*—We are much pleased with the "Mrs. Nelson" Carnation, of which you sent us plants for trial last spring; it has a fine constitution and is an abundant bloomer. The blooms are of good size and the color very desirable. It has good, long, stiff stems. We think it will be a standard variety. Yours truly, ROBERT CRAIG & SON.

PRICES.

Per Dozen, $2 50; 25, $3.50; 50, $6.00; 100, $10; 1000, $80.
250 go at 1,000 rate. Send for descriptive circular.

For Sale By

VAUGHAN'S SEED STORE, New York and Chicago.
H. F. MICHELL, Philadelphia.
H. A. DREER, Philadelphia.
ROBERT CRAIG & SON, Philadelphia.
E. G. HILL CO., Richmond, Ind.
A. N. PIERSON, Cromwell, Conn.
J. D. THOMPSON CARNATION CO., Joliet, Ill.
ALBERT M. HERR, Lancaster, Pa.
CINCINNATI CUT FLOWER CO., Cincinnati, Ohio.
WM. F. KASTING, Buffalo, N. Y.
C. A. KUEHN, St. Louis, Mo.
S. A. BAUR, Erie, Pa.
J. GAMMAGE & SONS, London, Ontario, Agents for Canada.

S. S. SKIDELSKY, 708 N. 16th Street, PHILADELPHIA, PA.

E. A. NELSON, 3503 N. Senate Ave., INDIANAPOLIS, IND.

Mrs. Palmer

Largest, best formed, most prolific and as good a color as any scarlet ever introduced. $12.00 per 100, $100.00 per 1000.

Chicot

Extra large white, beautifully striped in midwinter, extremely fragrant, finest constitution. More profitable than any standard variety on our place last season, and is doing even better now. $6.00 per 100; $50.00 per 1000.

Mrs. Higinbotham

We have all the orders we can fill until March 15th. Same price as Palmer.

Elegant Stock.

NOW READY TO SHIP.

	Per 100	Per 1000
BON HOMME, white	$4.00	$30.00
WHITE CLOUD, "	2.00	15.00
FLORA HILL, "	2.00	15.00
NORWAY, "	6.00	50.00
HOOSIER MAID, "	4.00	30.00
LAWSON, pink	4.00	35.00
MARQUIS, "	2.50	20.00
SUNBEAM, "	3.00	25.00
IRENE, "	4.00	30.00
CROCKER, "	2.00	15.00
JOOST, "	2.00	15.00
MORNING GLORY, pink	3.00	25.00
G. LORD "	2.00	15.00
CRANE, scarlet	2.00	15.00
ROOSEVELT, crimson	6.00	50.00
MACEO, "	2.00	15.00
GOMEZ, "	2.00	15.00
BRADT, variegated	2.50	20.00
NYDIA, "	3.00	25.00
OLYMPIA, "	2.50	20.00
GOLD NUGGET, yellow	3.00	25.00
PROSPERITY, from soil	6.00	45.00

All new varieties at introducer's prices.

Chicago Carnation Co.
JOLIET, ILL.

Asparagus Plumosus.
2½-inch, $3.00 per 100.
H. HILLS, ELKHART, IND.

Carnations...

ROOTED CUTTINGS.	Per 100	Per 1000
QUEEN LOUISE	$5.00	$40.00
LORNA	5.00	40 00
G. H. CRANE	2 00	12.50
MORNING GLORY	2 00	15.00
ROOSEVELT	6.00	
ETHEL CROCKER	1.50	12.50
GENEVIEVE LORD	1.50	12 50
DOROTHY	5.00	40.00
PROSPERITY	6.00	50.00
MRS. E. A. NELSON	10.00	80.00
CRESSBROOK	10.00	75.00

My stock is in the best of condition. Estimates given on large orders.

Albert M. Herr, Lancaster, Pa.

CARNATIONS Rooted Cuttings

LAWSON	$3.00 per 100	$25.00 per 1000
BRADT	2.00 "	18.00 "
LORD	2.00 "	12.50 "
MACEO	2.00 "	18.00 "
GOMEZ	2 00 "	18 00 "
NORWAY	4.00 "	
GOODENOUGH	3.00 "	
OLYMPIA	2.00 "	

HENRY HESSION, Flatbush, Brooklyn, N. Y.

CARNATIONS

Owing to the dry atmosphere and high altitude diseases common to carnations are unknown with us. It will pay you to try some of our plants the coming season. We have all the leading varieties. Write for prices on rooted cuttings.

Salt Lake Floral Co., Salt Lake City, Utah.

CARNATION CUTTINGS.

Prosperity, $6.00 per 100; Norway, $5.00 per 100; Estelle, $4.50 per 100; Lawson, $4.00 per 100; Elm City, Marquis, Glacier, Joost, $2.00 per 100; Scott, Eldorado, Armaziody, Victor, Crocker, Lord, Evanston, America, Hill, Dana and McGowan, $1.50 per 100. Express prepaid on all orders of $3.00 or over.

D. R. HERRON, OLEAN, N. Y.

Palms and Ferns

WALTER RETZER & CO.,

Write for Prices.

2045-59 No. Halsted St., CHICAGO.

Please mention the American Florist when writing.

Get the BEST.

ROOTED CARNATION CUTTINGS

Cheap Cuttings are Dear at any Price.

INTRODUCTIONS OF 1902.

	Per 100	1000
GOV. WOLCOTT, (Fisher), white	$10	$80
ENQUIRER, (Witterstaetter), light pink	12	100
MRS. E. A. NELSON, (Nelson), glistening pink, $2.50 per dozen	10	80
J. H. MANLEY, (Cottage Gar.), orange scarlet	12	100
H. FENN, (Cottage Gardens), crimson	$12	$100
VIOLA ALLEN, (Cottage Gar.), variegated	12	100
VIOLANIA, (Cottage Gardens), variegated	12	
CRESSBROOK, (Warburton), bright pink	10	80
GAIETY, (Hill), variegated	10	75

FANCY CARNATIONS.

	Per 100	Per 1000
PROSPERITY, variegated	$6.00	$50.00
MRS. G. M. BRADT, variegated	3.00	25.00
NORWAY, white	6.00	50.00
LORNA, white	5.00	40.00
WHITE CLOUD, white	2.00	15.00
MRS. T. W. LAWSON, pink	4.50	40.00
MRS. FRANCES JOOST, pink	2.00	12.50
IRENE, pink	5.00	40.00
MORNING GLORY, light pink	$3.00	$25.00
MARQUIS, light pink	3.00	25.00
MERMAID, light pink	3.00	25.00
GOV. ROOSEVELT, crimson	6.00	50.00
GEN. MACEO, crimson	2.00	15.00
ESTELLE, scarlet	6.00	50.00
G. H. CRANE, scarlet	2.50	20 00
GOLDEN BEAUTY, yellow	8.00	75.00
ELDORADO, yellow	2.50	20.00

All of our cuttings are well rooted and free from disease. Let us figure on your wants. Discounts on large quantities. BLOOMS SHIPPED FROM GREENHOUSES TO ALL POINTS ON SHORT NOTICE. SEND IN YOUR ORDERS. Upon application, we will mail our catalogue.

J. D. THOMPSON CARNATION CO.
JOLIET, ILLINOIS.

Carnation Cuttings

For Sale by

E. T. Grave, Richmond, Ind

WINNER OF THE PRESIDENT McKINLEY PRIZE at the Kansas City Show. Dorothy (First on introduction of 1901 at Kansas City), is certainly proving our claim for it as a producer, and consequently a money maker for the grower. It commands the highest price. Our stock is large and in grand shape. No order is too large or too small for us to fill. $5.00 per 100; $40.00 per 1000. Write for prices on rooted cuttings of Norway, White Cloud, Hoosier Maid, Lawson, Crane, America, Genevieve Lord and Marquis. Also T. Eaton and Fitzwygram Chrysanthemums.

CARNATIONS

Well Rooted and Healthy.

	Per 100	Per 1000
PROSPERITY, white overlaid with pink	$6 00	$50.00
GOV. ROOSEVELT, crimson	6.00	50.00
QUEEN LOUISE, white	4.00	40.00
BON HOMME RICHARD, white	4.00	30 00
IRENE, pink	4.00	30.00
TRIUMPH, pink	2.00	15 00
WHITE CLOUD, white	2.00	15.00
THOS. W. LAWSON, pink	4.00	35.00
MARQUIS, pink	2.50	20.00
G. H. CRANE, scarlet	2.00	15.00
AMERICA, scarlet	2.00	15 00
MRS. BRADT, variegated	2.50	20.00
GUARDIAN ANGEL	1.75	15.00

MICHAEL WINANDY,
DEVON AVE. AND NORTH ROBEY. **CHICAGO.**

All The Best **CARNATIONS**

Send for prices on rooted cuttings, ready now and later.

Geo. Hancock & Son
GRAND HAVEN, MICH.

Carnation Cuttings

Perfectly Healthy. Propagated From Choice Stock. NOW READY.

Queen Louise.

The Best White Commercial Carnation, $5 00 per Hundred; $40.00 per Thousand.

	Per 100	Per 1000
PROSPERITY	$6.00	$50.00
MRS. THOS. LAWSON	4.00	35.00
GOV. ROOSEVELT	6 00	50.00
HOOSIER MAID	4.00	
IRENE	4.00	
NORWAY	4.00	
EGYPT	4.00	
MRS. BERTRAM LIPPINCOTT	3.00	25.00
MORNING GLORY	2.00	15.00
MARQUIS	2.50	20.00
MRS. G. M. BRADT	3.00	
CHICAGO	3.00	
MACEO	2.00	
BUTTERCUP	4.00	
GOMEZ	$2.00	
CROCKER	1 50	$12.50
GENEVIEVE LORD	1.50	12.50
G. H. CRANE	2 00	15.00
VICTOR	2.00	
WM. SCOTT	1.50	12.50
DAYBREAK	1.50	12.50
ELDORADO	1.50	12.50
JUBILEE	1.50	12.50
FLORA HILL	1.50	12.50
TRIUMPH	1.50	12.50
PORTIA	1.50	12.50
WHITE CLOUD	1.50	12.50

J. L. DILLON, Bloomsburg, Pa.

New Scarlet Carnation **"ORIOLE"**

Sure to become the Standard Scarlet Carnation for florists to grow. The freest and earliest scarlet in cultivation; is always in bloom and a healthy grower. Orders booked now for February delivery. Price **$1.50** per dozen; **$10.00** per **100**; **$75.00** per **1000.**

AWARDED GOLD MEDAL AT THE PAN-AMERICAN EXPOSITION.

John B. Goetz, Saginaw, West Side, Mich.

Buffalo.

FIRE BRINGS A HEAVY LOSS TO SMILEY.—EARLY MORNING BLAZE IN HIGH WIND.—COLD HURTS TRANSIENT TRADE.—ROSES SCARCE.—NOTES.

About 3:30 o'clock on the morning of February 3, fire broke out in the greenhouses of S. B. Smiley, at Lancaster, and almost entirely destroyed the plant. A very heavy snow had fallen during the previous day and the flames burned fiercely, fanned by a high wind. The firemen did splendid work and were able to save a portion of the range, but the middle of the plant, the greenhouses around the boiler shed, were destroyed with their contents. So rapidly did the fire spread that the night man, who had a room in the greenhouses, had to get out through a window. The loss is about $8,000, with insurance of $5,000 on the buildings. All the spring stock is lost and all the plants in course of preparation for Easter. Mr. Smiley had one house of fine smilax and succeeded in cutting some of that before the fire reached it. He has secured a greenhouse from Mrs. Dr. James which will help him out on spring material and will rebuild the plant as soon as possible.

The continued cold weather and severe storms of the past week have interfered with store trade, but there have been a number of decorations for receptions and balls which have helped to keep the florists busy. There has not been very much funeral work. Stock is not in oversupply, except bulbous material. Good roses are very scarce, but carnations are plentiful and very good. There is always a demand for them.

Mayor Knight is reported as having determined to reappoint none of the present members of the park board and this will let out Commissioner Kasting, but both he and Wm. Scott are mentioned for the appointment and as there is no politics in it, either would be a good man for the place.

F. G. Lewis, of Lockport, is at Mt. Clemens, Mich., for his health.

Mr. and Mrs. J. H. Rebstock have gone to New York city. W. A.

BRANTFORD, ONT.—It is about a quarter of a century since J. B. Hay opened a seed store here. In 1879 he was obliged to arrange a compromise with creditors on liabilities of $4,000, at 60 per cent discount, and now finds it necessary to make an assignment.

PITTSBURG, PA.—We understand that Hitchings & Co., of New York, have just completed a range of orchid houses for Dr. Shafer that are the admiration of all who see them. Some other fine conservatories are in course of construction and several new contracts have been awarded to eastern builders recently.

CARNATIONS
Rooted Cuttings.

Lawson, $3 00 per 100; White Cloud, Flora Hill, John Young, Armazindy, Daybreak, Ethel Crocker, Genevieve Lord, Gold Nugget, America, Jubilee, Argyle, Melba and Gen. Gomez, $1.50 per 100.

Alternantheras, Coleus, Double Sweet Alyssum, Ageratum, Fuchsias, 60c per 100.

VINCAS. Abutilon foliage var. trailing, $1 00 per 100.

Hillsdale Floral Park, HILLSDALE, MICHIGAN.

Rooted Cuttings of CARNATIONS and ROSES.
All Clean, Healthy Stock, Grown Cool.
CARNATIONS.

PINK VARIETIES.	Per 100	Per 1000
MRS. LAWSON	$4.00	$35.00
MARQUIS	3.00	25.00
MORNING GLORY	3.00	25.00
ETHEL CROCKER	2.00	12.50
MRS. F. JOOST	1.50	12.50
WHITE VARIETIES.		
NORWAY	5.00	40.00
WHITE CLOUD	1.50	12.50
FLORA HILL	1.50	12.50

RED VARIETIES.	Per 100	Per 1000
RED MRS. BRADT	$2.50	$20.00
G. H. CRANE	2.00	17.50
AMERICA	2.00	15.00
VARIEGATED VARIETIES.		
PROSPERITY	6.00	50.00
MRS. BRADT	2.50	20.00
MAROON VARIETIES.		
GEN. MACEO	1.50	12.50
YELLOW VARIETIES.		
GOLD NUGGET	3.00	25.00

ROSES.

BRIDES, BRIDESMAIDS, METEORS ..... $1.50 per 100; $12.50 per 1000
PERLES ..... 2.00 " 15.00 "

Orders for less than 25 of one variety charged extra.
All plants shipped from Hinsdale.

Bassett & Washburn,
Greenhouses: Hinsdale, Ill. Store: 76 Wabash Ave., CHICAGO.

Carnation "Floriana"

We believe this to be the best Pink Carnation introduced to date. The color is an exquisite rosy pink with no trace of purple, just the color we have been looking for; looks like the coming pink carnation as it is a steady bloomer and good twelve months in the year. Has a stiff stem, perfect calyx, and is a good free grower. Flower about three inches, of good shape, being well built up. This variety was disseminated Spring of 1901 to a small extent by the originators, Messrs. Fillow & Banks.

We have the pleasure to handle the stock of originators.

PRICE FOR ROOTED CUTTINGS—$6 per 100, 50 at 100 rate; $50 per 1000, 500 at 1000 rate. Less than 50, 8 cents each.

Carnation and Chrysanthemum SPECIALISTS.

DAILLEDOUZE BROTHERS
FLORISTS,
Flatbush, Brooklyn, N. Y.

CARNATION CUTTINGS
Well Rooted, Clean Healthy Stock.

	Per 100	Per 1000
PROSPERITY	$6.00	$45.00
NORWAY	5.00	45.00
LAWSON	4 00	35.00
CRANE	1.50	11.00
AMERICA	1.50	11.00
FLORA HILL	$1.50	$11.00
WHITE CLOUD	1 50	11.00
TRIUMPH	1.50	11.00
SPORT (Guardian Angel)	1.50	11.00
MARQUIS	1.50	11.00

QUEEN LOUISE, $4.50 per 100; $40.00 per 1000.

All Rooted Cuttings sold under express conditions that if not satisfactory when received they are to be returned immediately, when money will be refunded.

WIETOR BROS., 51 WABASH AVENUE, CHICAGO.

Successful Growers

Know that they can dispose of all their Surplus Stock by advertising in the American Florist. TRY IT NOW.

Rooted Cuttings For 1902 Now Ready

ROSES AND CARNATIONS.

Clean stock, well rooted, free from diseases. Satisfaction guaranteed.

CARNATIONS.

	Per 1000		Per 1000
Mrs. Lawson	$35.00	Ethel Crocker	$12.50
Egypt	25.00	White Cloud	12 50
Hoosier Maid	25.00	Peru	9.00
The Marquis	12.50	Crane	12.50
Genevieve Lord	12.50	Mrs. Bradt	12.50
Guardian Angel	12.50	Chicago	12.50
Frances Joost	12.50	America	12.50
Evanston	12.50	Helen Keller	12 50
Melba	12.50	Mrs. Ine	12 50
Scott	12.50	Portia	9.00

ROSES.

	Per 1000		Per 1000
Maids	$12 50	Golden Gates	$12 50
Brides	12.00	LaFrance	12.50

ROSE PLANTS.

	Per 1000		Per 1000
Maids	$25.00	Golden Gate	$25.00
Brides	25.00	LaFrance	25.00

JOHN BROD, Niles Center, Ill.

CHICAGO OFFICE 349 W North Avenue.

The GUARDIAN ANGEL FLORIST, Chicago.

PRICE LIST of Rooted Carnation Cuttings.
NEW AND STANDARD VARIETIES.

The Guardian Angel is the best commercial pink carnation in the market to-day. It is a good keeper; its growth is strong and vigorous; it never bursts and is never off crop. Received 1st prize at Horticultural Exposition and first-class Certificate of Chicago Florists' Club for best pink. Rooted cuttings, $2.00 per 100, $15.00 per 1000.

NEW VARIETIES	Per 100	Per 1000
PROSPERITY, white overlaid with pink	$6.00	$50.00
GOV. ROOSEVELT, crimson	6.00	50 00
QUEEN LOUISE, white	5 00	40 00
BON HOMME RICHARD, white	5.00	40.00
IRENE, pink	5.00	40.00
GENERAL LIST		
FLORA HILL, white	1.25	10.00
WHITE CLOUD, white	1.25	10.00
MRS. LAWSON, pink	4.00	35.00
MARQUIS, pink	1.50	12.00
ESTELLE, scarlet	6 00	50 00
G. H. CRANE, scarlet	2.00	15.00
MRS. BRADT, variegated	2.50	20.00
ARMAZINDY, variegated	1.25	10.00

THE GUARDIAN ANGEL FLORIST,
401 Devon Avenue, Sta. Y. CHICAGO.

"If you are still looking for a PROFITABLE"
HIGH GRADE

White Carnation

Don't fail to call and see, or investigate the

Gov. Wolcott.

Orders booked now will be filled in strict rotation, commencing Jan. 1st, 1902, and as fast thereafter as stock is ready. Rooted Cuttings from sand, $10 per 100; $40 per 500; $80 per 1000.
Send P. O. Money Orders on Norwood, Mass.

Peter Fisher, Ellis, Mass.

SYLVIA A NEW WHITE *CARNATION.*

As a free and continuous bloomer it beats anything we have ever grown; flowers average 2½ to 3 inches in diameter.

ROOTED CUTTINGS NOW READY,
$8.00 per 100; $75.00 per 1000.

WOODFALL BROS., Glen Burnie, Md.

CARNATION CUTTINGS

WELL ROOTED, HEALTHY STOCK, READY NOW.

	Per 100	Per 1000		Per 100	Per 1000
HIGINBOTHAM	$12.00	$100.00	FRANCES JOOST	$ 1.00	$ 7.50
MRS. POTTER PALMER	12.00	100.00	CERISE QUEEN	1.00	7.50
PROSPERITY	4.00	30.00	ETHEL CROCKER	1.25	10.00
NORWAY	5 00	40.00	TRIUMPH	1.25	10.00
IRENE	3.00	25.00	FLORA HILL	1.25	10.00
LAWSON	3 00	25.00	WHITE CLOUD	1.25	10.00
BON HOMME RICHARD	3.00	25.00	PERU	1.00	7.50
HOOSIER MAID	3.00	25.00	AMERICA	1.50	12.50
CRANE	1.25	10.00	MRS. L. INE	1.50	12.50
THE MARQUIS	1.25	10.00	MRS. BRADT	1.75	15.00
GENEVIEVE LORD	1.25	10.00	ARMAZINDY	1.25	10.00
ARGYLE	1.00	7 50	MORNING GLORY	1.75	15.00
GUARDIAN ANGEL	1.25	10.00	EVANSTON	1.00	7.50

ROSE PLANTS.

2¼-in. pots.	Per 100	Per 1000	2¼-in. pots.	Per 100	Per 1000
BRIDESMAID	$3.00	$25.00	PERLE	$3.00	$25.00
BRIDE	3.00	25.00	GOLDEN GATE	3.00	25.00
KAISERIN	3.00	25.00	METEOR	3.00	25.00

ROOTED ROSE CUTTINGS.

	Per 100	Per 1000		Per 100	Per 1000
BRIDESMAID	$1.50	$12.50	GOLDEN GATE	$1.50	$12.50
BRIDE	1.50	12.50	PERLE	1.50	12.50
METEOR	1.50	12.50			

All Plants and Rooted Cuttings sold under express conditions that if not satisfactory when received they are to be returned immediately, when money will be refunded.

Write for prices on large quantities.

Peter Reinberg, 51 Wabash Ave., Chicago

ROOTED CUTTINGS

CARNATIONS.

	Per 100	Per 1000		Per 100	Per 1000
MRS. POTTER PALMER	12.00	$100.00	MRS. JOOST	$1.00	$7.50
MRS. HIGINBOTHAM	12.00	100.00	WHITE CLOUD	1.25	10.00
PROSPERITY	5.00	40.00	EVANSTON	1.00	7.50
QUEEN LOUISE	5.00	40.00	MRS. INE	1.25	10.00
NORWAY	5 00	40.00	WM. SCOTT	1.00	7.50
IRENE	4 00	35.00	GENEVIEVE LORD	1.25	10.00
MRS. LAWSON	3.00	25 00	ETHEL CROCKER	1.25	10.00
MARQUIS	1.25	10.00	GUARDIAN ANGEL	1.25	10.00
G. H. CRANE	1.25	10.00	ARGYLE	1.00	7.50
FLORA HILL	1.25	10.00	AMERICA	1.25	10.00

ROSES. **ROSES.**

	Per 100	Per 1000		Per 100	Per 1000
METEOR	$1.50	$12 50	BRIDESMAID	$1.50	$12.50
PERLE	1.50	12.50	GOLDEN GATE	1.50	12.50
BRIDE	1.50	12.50			

ROSE PLANTS from 2½-in. pots.

	Per 100	Per 1000		Per 100	Per 1000
METEOR	$3 00	$25 00	BRIDESMAID	$3.00	$25.00
PERLE	3.00	25.00	GOLDEN GATE	3 00	25.00
BRIDE	3 00	25.00	KAISERIN	3 50	30.00

The above named stock is clean, well rooted and free from disease.

GEO. REINBERG, 51 WABASH AVENUE, CHICAGO.

CRESSBROOK. The coming Pink Carnation for everybody to grow.

Baltimore, Feb. 21, 1901, it scored 94 Points, the highest of any seedling. Cressbrook has never shown disease of any kind and is an extra free bloomer. Size of flowers under ordinary culture, 3 to 3½ inches.

Orders will be delivered in rotation on and after Jan. 1, 1902, at the following prices:

12 plants	$ 1.50	250 plants	$25.00
25 plants	3.00	500 plants	37.50
50 plants	5.00	1000 plants	75.00
100 plants	10.00		

C. WARBURTON, FALL RIVER, MASS.

Cressbrook may be seen growing at

THE E. G. HILL CO'S., Richmond, Ind., and at WM. NICHOLSON'S, Framingham, Mass.

Cincinnati.

BUSINESS CONTINUES BRISK AND ROSES SHORT OF REQUIREMENTS.—A LARGE PARTY FOR CARNATION EXPEDITION.—VARIOUS NOTES.

Trade holds up well, with flowers of all kinds, except roses, to fill orders with. Good roses are scarce and sell at sight. Harrisii lilies and lilies of the valley are more plentiful and meet with a good demand. George & Allan are sending in a nice lot of tulips and daffodils, which sell fairly well, while their Romans and narcissi receive first call. Violets are also more plentiful and seem to be moving briskly. Smilax and adiantum are also more abundant. There are enough carnations to fill orders, and a few to spare. It is funeral work, more than anything else, that is keeping the storemen busy, consequently the demand seems to be for pink and white flowers.

Some of the boys are talking of stopping at New Castle on their way to the carnation meeting at Indianapolis next week, to have a look at the rose growing establishments of that city, going from New Castle to Indianapolis and then to Lafayette to view the Dorner establishment. They have been promised a rate of $7 for the round trip, which is very cheap, and quite a number have signified their intention of participating.

The writer saw a fine lot of poinsettias the past week at the Cincinnati Cut Flower Company's. The bracts measured sixteen to eighteen inches in diameter, with stems five feet long. Gus. Meier, of Hyde Park, was the grower.

We wonder what Charley Jones does with all the baby primroses he buys? Charley is always bulling the market on this flower.

Will Murphy does not get into the city very often, as he is busy rooting the Estelle carnation.

C. C. Murphy is sending in a big cut of carnation blooms this winter. D.

LOS ANGELES, CAL.—E. Rust has opened a nursery stand on Broadway. Gustav Brose is very ill of penumonia.

The Coming Scarlet Carnation,

Challenger,

Absolutely the best and most free flowering Scarlet Carnation ever introduced, large size, splendid color, never bursts, flowers early and all the time. Certificate R. I. Florists' Club; R. I. Hort. Society. Price for strong well rooted cuttings ready now, dozen, $2.00; twenty-five, $3; 50, $5; 100, $10; 1000, $75.

William Hoffman, Florist, Pawtucket, R. I.

CARNATIONS

Rooted Cuttings of all the new 1902 and best standard varieties. Send for price list.

WILLIAM SWAYNE.

BOX 226. KENNETT SQUARE, PA.

CARNATIONS

NOVELTIES FOR 1902.

J. H. MANLEY, SCARLET,
HARRY FENN, HARVARD CRIMSON,
VIOLA ALLEN, VARIEGATED.

Send for Descriptive Catalogue.

THE COTTAGE GARDENS, Queens, N. Y.

IVORY or WHITE Golden Gate.

The easiest, freest bloomer and most profitable white rose to grow. 20,000 plants out of 2-inch pots. February, March and April delivery.

$6.00 PER 100; $27.50 PER 500; $50.00 PER 1000.

Our stock of **Ivory,** or White Golden Gate, **Was Purchased** from the American Rose Co., of Washington, D. C., last February and March, and is **guaranteed** to be **true stock.** If they or their Agents make any statement to the **contrary it is an untruth.**

W. A. HAMMOND, 107 East Broad Street, RICHMOND, VA.

ROOTED CUTTINGS

Roses and Carnations.

ALL THE LATEST VARIETIES.

Write for Prices.

HOLTON & HUNKEL CO., Milwaukee, Wis.

AMERICAN Beauty Roses.

First crop now ready. Strong plants from 2½-in. pots, $6 00 per 100; $50 00 per 1000.

Our young plants of American Beauty are exceptionally fine this year, and we extend a cordial invitation to intending planters to inspect our stock. Orders booked now for Spring delivery and will be filled in rotation.

GRAFTED BRIDES and BRIDESMAIDS

We still have a few thousand unsold. We graft sound flowering wood on Dickson's disbudded Manetti stock. Price $12 per 100 from 2½-inch pots. Order now.

ROBERT SCOTT & SON,
SHARON HILL, DEL. CO., PA.

NEW CARNATION

RUBY KING

Just what we have all been looking for. A dazzling cerise; much more so than Tidal Wave. Always in bloom, strictly non-cropper. No disease—anybody can grow it. Average flowers 3 inches; stem very stiff and wiry; fine keeper; can be planted quite close. Flowers fringed and high built, resembling Flora Hill. Only a very limited number will be sent out this year. $1.25 per doz. by mail; $8.00 per 100.

LAMPRECHT BROS., ASHLAND, O.

VERBENA KING

Rooted Cuttings now ready. Express prepaid. 100 1000
Verbenas, named, $ .60 $5.00
Daisies, white and yellow..... 1.00 8.00
Heliotrope, 12 var. 1.00 6.00
Ageratum, best var. .60 5.00
Alternanthera, red and yellow..... .60 5.00
Salvias, 4 best vars. named, Rooted Cuttings..... 1.00 8.00
That cash or C. O. D.

C. Humfeld, Clay Center, Kas.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

Orchids!

Arrived in fine condition Cattleya Dowiana, Trichopilias in variety, Warscewiczella aromatica and W. discolor, Pescatorea cerina, Odontoglossum Œrstedii Majus, O. Kramerii and O. Schlieperianum.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

Please mention the American Florist when writing.

ESTELLE THE COMMERCIAL SCARLET CARNATION.

Reports are good. You should stock up on this variety. March and April delivery, $6.00 per 100; $50.00 per 1000.

WM. MURPHY,
STATION F. CINCINNATI, O.

MRS. FISHER CARNATIONS For Summer Blooming,

now ready, in 2-inch.

Also have CRANE, CROCKER, JOOST, SCOTT, MARY WOOD, HOOSIER MAID and McGOWAN. Write

GEO. A. KUHL, PEKIN, ILL.

Carnations.

ROOTED CUTTINGS.

All the very best stock, healthy and well rooted. Early orders will be furnished from sand; later orders from cuttings transplanted into flats at same rate. **Stock marked * now ready in flats.**

	Per 100	Per 1000
General Maceo	$ 1.75	$ 15.00
Mrs. F. Joost	1.75	15.00
White Cloud	1.75	15.00
Wm. Scott	1.75	15.00
Flora Hill	1.75	15.00
America	2.00	15.00
Daybreak	1.75	15.00
Ethel Crocker	1.75	15.00
G. H. Crane	2.50	20.00
Triumph	2.00	18.00
Guardian Angel	1.75	15.00
*Genevieve Lord	2.50	20.00
*Marquis	2.50	20.00
Mrs. G. M. Bradt	3.00	25.00
Chicago	3.00	30.00
Gold Nugget	3.50	30.00
*Morning Glory	3.00	25.00
Irene	5.00	40.00
Lorna	5.00	40.00
*Mrs. T. W. Lawson	5.00	40.00
*Queen Louise	5.00	45.00
*NORWAY, Best white	5.00	45.00
*Prosperity	6.00	50.00
Governor Roosevelt	6.00	50.00
*ESTELLE, Grand scarlet	6 00	50 00
Dorothy	6.00	50.00
Cresshrook	10.00	75.00
Enquirer	12.00	100.00
Mrs. Potter Palmer	12.00	100.00
Mrs. Higinbotham	12.00	100.00
Mrs. E. A. Nelson	10.00	80.00

We have the finest stock of ESTELLE and NORWAY in the Country and can supply in large quantities.

CANNAS.

Strong, Dormant, Two Eyed Roots.

	Per 100	Per 1000
Allemania	$3.00	$25.00
Burbank	3.00	25 00
Exp. Crampbell	3.00	25.00
Florence Vaughan	4.00	35.00
Mlle. Berat	3.00	25.00
Paul Marquant	3.00	25.00
Pres. Carnot	2.50	20.00
Mixed all colors	1.75	10.00

Largest stock in United States of other choice cannas true to name. Write for prices.

VAUGHAN'S SEED STORE,

NEW YORK: 14 Barclay St. **CHICAGO:** 84-86 Randolph St.

Greenhouses, Western Springs, Ill.

CARNATIONS

Well rooted, clean, healthy stock. Early struck cuttings make best plants.

	100	1000		100	1000
Roosevelt	$6.00	$50.00	Maceo	$2 00	$17.50
Prosperity	6.00	50 00	Bradt	2.00	17.50
Estelle	6 00	50.00	Glacier	2.00	17.50
Lorna	6.00	50.00	White Cloud	1.50	12.50
Norway	5.00	40.00	Flora Hill	1.50	12.50
Dorothy	5.00	40.00	Joost	1.50	12.50
Irene	5.00	40.00	E. Crocker	1.50	12.50
Lawson	4.00	35.00	America	1.50	12.50
Marquis	2.50	20.00	G. Lord	1.25	10.00
M. Glory	2 50	20.00	Triumph	1.25	10.00
Gomez	2 00	17.50	Scott	1.00	8.00
			Daybreak	1.00	8.00

250 at 1000 rates; 25 at 100 rates. Cash or C. O. D.

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

Carnation LAWSON

ROOTED CUTTINGS, No. 1 clean, healthy stock, $3.50 per 100; $35.00 per 1000, Cash. Send for sample. Money returned if not as represented.

FRED J. KING, OTTAWA, ILL.

Roses

We grow following varieties: Meteors, Brides, Maids, Kaiserina, Perles, Beauties, Liberty, Golden Gate, La France, Belle Siebrecht. Have them in rooted cuttings and 2x2½-in. pots. Write us your wants and see what we can do for you.

Send $1.00 for samples.

GEO. A. KUHL, PEKIN, ILL.

THE GRANDEST NEW FORCING ROSE

Souvenir de Pierre Notting

The Best, The Finest, The Most Free Blooming of all Forcing ROSES, color deep yellow; will be distributed for the first time April, 1902

—— BY THE RAISERS ——

SOUPERT & NOTTING,

ROSE GROWERS,

LUXEMBOURG, (Europe).

Net price, $80.00 per 100; $1.00 each. Write for lithographs.

New Rose for 1902.

MRS. OLIVER AMES.

For description, prices, etc., see advertisement in this paper January 4th, 1902.

What the leading Retail Florists of the different cities say of this Rose:

Mr. W. J. Palmer, of Buffalo, writes under date of Nov. 28:

DEAR SIR:—The beautiful Mrs. Oliver Ames roses received in perfect condition and are very much admired by my customers; just as I have heard you say, the public want something besides Bride, Bridesmaid, Meteor or even Beauty. Each of my customers who saw it remarked something good about it. Accept my thanks for the beautiful roses. Yours truly, W. J. PALMER.

JOHN N. MAY, Summit, N. J.

Am. Beauties ROOTED CUTTINGS

$25.00 PER 1000.

This stock is free from spot, thoroughly rooted and first class in every respect. If not satisfactory or just as represented by us you can return same at once.

J. A. BUDLONG, 37 and 39 Randolph St., CHICAGO, ILL.

NEW CARNATIONS

	Doz.	100	1000
CRESSBROOK	$1.50	$10.00	$75.00
MRS. E. A NELSON	2.00	10.00	80.00
FAIR MAID	2.00	10.00	75.00
GAIETY	1.50	10.00	75.00
J. H. MANLEY	2.00	12.00	100.00
HARRY FENN	2.00	12.00	100.00
VIOLA ALLEN	2.00	12.00	100.00
NORWAY		6.00	50.00
FLORIANA		6.00	50.00

Chrysanthemums.

We offer all of the new varieties of 1902; also the best of 1901. A large number of last year's novelties and leading standard varieties ready now, from 2½-inch pots. Send for List.

Correspondence solicited.

H. WEBER & SONS, OAKLAND, MD.

Please mention the American Florist when writing.

California Carnations.

Our cuttings are rooted without fire heat and are strong, hardy and well rooted. They are so far superior in every way to cuttings rooted by fire heat that they should not be mentioned in the same connection. We guarantee safe arrival and satisfaction.

	Per 100	Per 1000
QUEEN LOUISE, white	$4.00	$30.00
MERMAID, fine salmon pink	3.00	20.00
G. H. CRANE, scarlet	1.50	12.00
MRS. F. JOOST, fine pink	1.00	8 00

Giant of California Pansy Plants, 50c per 100; $2.50 per 1,000. Giant of California, transplanted plants, $5 per 1000—100 sent at 1000 rates.

TERMS CASH WITH ORDER.

THE LOOMIS FLORAL CO.,

LOOMIS, CALIFORNIA.

Please mention the American Florist when writing.

Kalamazoo Mich.

STEADY SEASON'S BUSINESS.—ROSES SCARCE EXCEPT BEAUTIES. — CARNATIONS OF EXCELLENT QUALITY.—WITH THE GROWERS.

Trade conditions here have been steady. Carnations are not quite so plentiful as they were but there is still enough to go around. The quality is excellent. Most of the high grade varieties are grown here and the latest disseminated are also on trial. Roses are rather scarce, as they are off crop with the exception of Beauties. These are very plentiful and good but prices are considerably lower than at this season last year. Violets are good and very plentiful. The dark varieties seem to be the only ones the buyers will look at. Wholesale prices are 50 cents to 75 cents per hundred. The supply of greens, such as asparagus, smilax and adiantum, is abundant. Lilies are looking well. The batches that are being grown for Easter trade are just at about the right stage and look strong and healthy. Barring accident they will be as fine a lot as any one could wish to see. The percentage of disease this year is very small.

The Kalamazoo Nursery and Floral Company has relinquished its charter and been absorbed by the Michigan Central Nursery Company. At a recent meeting of the stockholders a directorate was appointed with Chas. A. Maxon as manager.

The Dunkley Floral Company's houses which are under the management of M. F. Kyle, are looking well and show every evidence of being in the care of a skillful and up-to-date grower.

The Van Bochove Brothers have had great success with their new range of carnation houses. Their Beauty houses have also done excellently.

Sam. Batson, who grows carnations exclusively, is having some very fine cuts, his Armazindy being particularly good.

NEMO.

Minneapolis.

TRADE BRISK AND ROSES STILL SCARCE.—CARNATIONS BRINGING GOOD PRICES.—PERSONAL NOTES.

There still remains a scarcity of tea roses, with a good demand, also for carnations, which are commanding a price up to $4 per hundred for the choicest. Romans are showing on the market again. Daffodils and tulips are being brought in but the stems are too short as yet, and the prices are not high. Smilax, for the last two weeks, has been in great call and the surplus stock which was on hand cleaned up rapidly.

The Wm. Donaldson Company has had its hands full, with decorations, the last week and "Jim" and Ralph have been on the jump.

C. F. Rice was one of the unluckly ones, recently suffering an illness of a few days, but is now up and around once more.

C. F. R.

DANVERS, MASS—H. B. Learnard and W. A. Shirley have formed a partnership and opened business in a new greenhouse on Chester street, close by Walnut Grove Cemetery.

REMEMBER you can get our Standard Brands of Wild Smilax and other Greens from such people as J. B. Osamud, Chicago. H. Bayersdorfer & Co., Phila. L. J Kreshover, N. Y. City. Vail Seed Co., Indianapolis. Ed. Reid, Philadelphia. J. M. McCullough's Sons, Cincinnati, O. Michigan Cut Flower Exchange, Detroit, Mich. or direct from us.

A FULL SUPPLY CONSTANTLY ON HAND.

Caldwell The Woodsman Co., Evergreen, Ala.

CHRYSANTHEMUMS

NOTE SHOW SCHEDULE OF NEW YORK FLORISTS' CLUB IN THIS PAPER, JANUARY 25 AND FEBRUARY 1.

We can supply **Varieties for all Entries,** including the **Ostrich Plume, Anemone** and **Pompon** Sections.

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Complete descriptive catalogue on application.

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Galax Leaves 30 W. 29th Street The Kervan Co. THE EVERGREEN SPECIALISTS OF N. Y CITY.

FANCY or DAGGER FERNS $1.25 per 1000.

GALAX, green or bronze, 75c per 1000. Laurel festooning, 4c, 5c and 6c per yd. Once used, always used for decorating. SPHAGNUM MOSS, etc., etc.

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Following Prices after February 1st:

In 1,000 lots.....$1.25 per 1000
In 5,000 lots..... 1.20 "
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Now at $1.30 per 1000. Laurel Festooning, $4 per 100 yards. Sphagnum moss, 50c per bbl. All orders by mail or dispatch promptly attended to. Cash with all orders.

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Galax Leaves, Etc. Per 1000

Choice Bronze and Green, medium size.....$ .50
Choice Bronze and Green, large size..... .55
Choice Leucothoe Sprays..... 3.00
Choice Fancy and Dagger Ferns..... .75
Choice Rhododendron Leaves..... .50
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Brilliant bronze or green, assorted sizes. $1.00 per 1000.

Leucothoe Sprays, $1.00 per 100
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Laurel Roping, 6 cts., 8 cts. and 10 cts. per yard.

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NOVELTIES: **Thos. Meehan**, semi-double dark pink: **Levi P. Morton**, semi-double maroon; **Duchess of Orleans**, single oriole: **Ernest Kellway**, semi-double crimson; **J. J. Harrison**, semi-double scarlet, and **Snow Drift**, semi-double white; all winners, $2.50 per 100; $22.50 per 1000.

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CARNATIONS, rooted cuttings, Scott, McGowan, Portia, $1.00 per 100; E. Crocker G. Lord, Marquis, $1.50 per 100; Prosperity, Lawson, Queen Louise, Floriana, $5.00 per 100; Kittaling, white sport from Daybreak, $3.00 per 100.

ASPARAGUS SPRENGERI, 2-inch, $3.00 per 100; Plumosus, 3-inch, $8.00 per 100. Cash or C. O. D.

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Strong young plants from 2½-inch pots, $2.50 per 100; 3-inch pots, $4.00 per 100; 4-inch, $8.00 per 100; 5-inch, $12 per 100.

ALTERNANTHERAS Red and Yellow, strong rooted cuttings, 50c per 100; $4.00 per 1000. From 2-inch pots, $1.50 per 100.

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VERBENAS Best varieties, rooted cuttings, 50c per 100; 2-inch plants, $2.00 per 100.

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Lettuce Plants from seed bed, Grand Rapids, Boston, Big Boston and other varieties, 15c per 100; $1.00 per 1000. Express paid on lettuce plants. CASH.

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I will clean them out to make room for Hydrangeas, at astonishingly low prices. Plants from 5½ to 6-inch pots, 30 inches high, 75c; 35 inches, only $1.00 each. Hurry up and get them now, as these prices are open only for a few weeks. **Azaleas Deutsche Perle and Simon Mardner**, in bud and bloom, 5-in. pots, 40c. **Dracæna Bruanti**, 6-in. pots, 25 inches high, fine bushy plants, only 50c; worth double that. Cash with order please.

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NOW READY FOR SHIPMENT.

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Ivy Geraniums, 12 varieties	$1.50	$13.00
Roses, Bride and Maid	1.25	11.00
Marguerites	.75	6.00
Heliotrope, 4 varieties	.60	5.00
English Ivy	2.00	18.00
German Ivy	.60	5.00
Pyrethrum, double white	1.00	8.00
Vinca variegata	1.00	8.00
Geraniums, 5 best bedders	1.25	10.50
" Mme. Pollock	2.00	18.00
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Abutilons, 12 varieties	2.00	18.00
Petunias, double, 65 vars. named	1.50	12.00

	Per 100	Per 1000
Petunias, double, not named	$1.25	$10.00
Coleus, 75 varieties, named	.75	6.00
" not named	.60	5.00
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" " golden	.60	4.50
" Golden Bedder	.60	4.50
" Brilliancy	8 00	

Boston Ferns Strong, bushy, well grown stock for immediate shipment.

	Per 100	Per 1000
2¼-inch pots	$2.50	$22.00
2½-inch pots	2.00	28.00
3 -inch pots	6.00	55.00
4 -inch pots	15.00	140.00
5 -inch pots	25 00	

PTERIS TREMULA, 2¼-inch pots, per 100, $2.00; 2½-in. pots, per 100, $3.00; 3-in. pots, per 100, $5.

For list of varieties see AMERICAN FLORIST of Nov. 9. If wanted by mail add 15c per 100. Samples by mail 25c.

☞ All the above sold on the positive guarantee of its being first-class, if not, your money at once refunded.

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2½-inch, 3c; 3-inch, 8c; 6 inch, 35c; 8 and 9-inch, $1.00.

Nephrolepis Wittboldii, strong, 4-inch, 25c; 5-inch, 50c; 6-inch, 75c.

Cycas Revoluta, 50c to 75c.

Asparagus P. Nanus, 2½-inch, $3.50 a 100.

BEGONIAS—A. Guttata, Thurstonii, 2½-in. 40c a doz., large plants, ready for 4s, 5c. Starr and Feastii, 5c.

Russelia Multiflora, 2½-in. 4c; 40c a doz.

Vinca Major, 2-in., strong, 3c.

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New Geraniums FOR 1902

"J. D. Elsele," single, pure wine red. A zonale of most brilliant and new coloring, a splendid bedder, producing an abundance of large trusses.

"James Davidson," single, lavender lilac, a color which has never before been approached, shows almost a distinct blue color evenings. Trusses very large, a fine novelty. 35c each; $3.00 per dozen.

Novelties of former years, assorted and labeled, at $6.00 per 100. Cash please.

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Roses, Palms

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An assortment of twenty varieties, all good sellers and all correctly labeled. Rooted cuttings at $12 50 per 1000. Not less than 25 of one sort will be given in the same order.

JEAN VIAUD and M. De CASTELLANE, two exceptionally fine novelties from 2-inch pots, at $5 per 100 or $30 per 1000.

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For Fall Delivery, in best sorts, including the beautiful new Haerensiana, from small plants to large specimens. **KENTIAS** and other palms, for spring and fall, in medium and extra large sizes; all well grown by **HAERENS BROS, Somergem, Belgium.**

Address their Sole Agents,

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FINE PALMS.

For Price List see AMERICAN FLORIST Oct. 19, page 403.

A SPECIALTY

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KENTIAS, CYCLAMENS, ASPARAGUS PLUMOSUS NANUS, FICUS. Very fine stock.

L. H. Foster, 45 King Street, **Dorchester, Mass.**

Lowell, Mass.

WEATHER UNFAVORABLE FOR THE GREENHOUSE INDUSTRY.—PATTEN GETS A BADGE.—VARIOUS NOTES.

The weather of late has been very severe and on Sunday night, February 2, the storm was so heavy that it broke a great deal of glass for the growers, causing considerable loss. Business has been steady the past week, with quite a little going on in the way of social work. There has been a noticeably heavy demand for red roses, which are in light supply. Liberty and Helen Gould-Balduin have the preference. Some very good freesias are to be seen and tulips are coming along. They sell fairly well. There is a plenty of all greens except adiantum, which is very scarce.

On January 28 the Lowell lodge of Elks presented Geo. W. Patten with a handsome gold badge of the order as a testimonial of their esteem. He is District Deputy Grand Exalted Ruler for the state of Massachusetts and Past Exalted Ruler of Lowell Lodge No. 87. The recipient was taken completely by surprise but expressed his thanks in a very neat speech. It will be remembered that last fall Mr. Patten suffered a stroke of paralysis from which he is slowly but surely recovering.

Wm. Whittet failed of the appointment as superintendent of parks, the "powers that be" having conferred the office upon a drygoods clerk.

H. B. Green has one house filled with fern balls which are in good shape and selling briskly at from $1 to $1.50 each.

A. M.

Baltimore.

ANNUAL CARNATION SHOW AN ASSURED SUCCESS.—MANY EXHIBITS PROMISED.

At the meeting of the Gardeners' Club January 27 the members perfected the preliminary arrangements for the annual carnation show, which will be held in the rooms of the club, Royal Arcanum building, Saratoga street near Liberty, on the afternoon and evening of February 24. About 10,000 blooms will be staged, according to present roseate opinion. The following local florists will send exhibits: Isaac H. Moss, John Rider, Lehr Bros., Frederick Bender, William Christie, Robert L. Graham, Fred. G. Burger, Woodfall Bros., Chas. E. Akehurst, John Cook, Edwin A. Seidewitz and Halliday Bros.

Amateur exhibitors will be Charles M. Wagner, gardener to Mr. Diffenderfer; E. Holden, gardener to Mrs. Robert Garrett; E. C. Price, gardener to Mrs. T. Harrison Garrett.

Out-of town exhibitors will be Robert Craig & Son, Philadelphia; E. G. Hill Co., Richmond, Ind; C. W. Ward, Queens, L. I; John N. May, Summit, N. J. Other exhibitors will enter later.

John Cook, Jr., Charles M. Wagner and Mack Richmond compose the show committee, and a long list of society ladies has been named as patronesses.

Paterson, N. J.

The greenhouses of F. D. Vreeland are now known as those of the Cedar Cliff Rose Company.

The greenhouses on the Notch road owned by Mrs. A. B. Murray and run by A. Nelson for several seasons, have been taken down and sold. Mrs. Murray says she has had all the experience she cares for as a rose grower. The place was known as the Clear View Greenhouses.

SILK CITY.

"BLACK DEATH"

(POWDER) To Eat Thereof is to Die.

BUG KILLER AND FERTILIZER. Three years of unprecedented success wherever introduced all over the United States has proved "BLACK DEATH" to be a cheap and absolute annihilator of all insects, bugs or beetles that prey on foliage or flowers. See what Peter Reinberg says on page 45-6 of this paper. Other strong indorsements sent on receipt of postal card.

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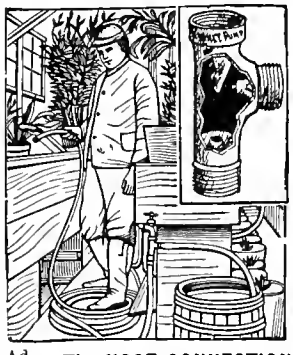

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Sent prepaid for $2.00.

Address The HOSE CONNECTION CO. KINGSTON, R. I.

NEPONSET Flower Pots.

LIGHT, COMPACT, UNBREAKABLE, UNEQUALLED.

You can buy these of your nearest dealer.

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We now have on sale a fumigating material which

kills MEALY BUG

and all other greenhouse pests.

Eastern Chemical Co., Boston, Mass.

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FLORISTS' WIRE DESIGNS.

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Galax Leaves and all Decorative Greens.

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Of Every Description.

When you can't get what you want anywhere else, send here, we will send it to you.

"If it's used in Horticulture, we have it."

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Telephone Call, 1700 Madison Square.

SHIPPING LABELS FOR

....Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co., CHICAGO.

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MANUFACTURERS OF

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Hot-House Glass A Specialty.

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TO KILL ALL
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USE
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Clean and harmless as **Fumigant** or **Spray**. Ask your seedsman for it or write to

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PLAIN OR COLORED.

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Fresh Tobacco Stems.
Bales of 300 pounds, $1.50.
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Easter Your order for **EASTER NOVELTIES** should be placed without any delay, as our New Importations of Plant Baskets, Chip Ribbon, Birch Bark Crosses, Porto Rican Mats, Water-proof Crepe Paper (all kinds); also Cords and Tassels have just arrived. In order to secure the Very Latest and Best **EASTER GOODS**, your prompt attention will avoid disappointment, and give best satisfaction. Catalogue for the asking.
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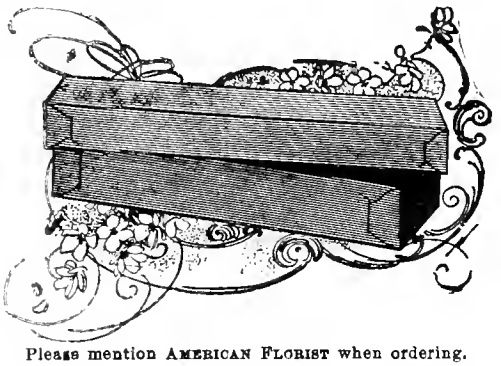
The Dayton Paper Novelty Co.
DAYTON, O.



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Superior models for all customers; contains 90 patterns of modern art floral arrangement, printed on the finest cardboard. Size of the art sheets, 8½x10½ inches.

Catalogue in the English Language.

Elegant portfolio, gold stamped, with colored picture, containing loose sheets, $2.25. Edition de luxe, $2.75. Volumes I and II together: Portfolio, $4.35; Album, $5.30.
Post free on receipt of price.

A Shipment from Bayersdorfer & Co. represents a wise investment. Baskets, Jardinieres, Pot Covers, Ferneries, Vases, Doves, Sheaves, Inscriptions, Cycas Wreaths and Leaves. These are only a fraction of the list of useful Florists' Supplies we carry. The quality is the BEST and the price is RIGHT. Send for Complete Catalogue.

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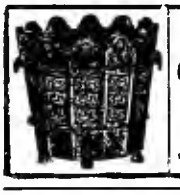
IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE
DOES NOT INJURE THE MOST SENSITIVE PLANTS - ENDORSED BY PROMINENT FLORISTS - USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT - 200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN ---- CIRCULAR FREE -
SKABCURA DIP CO. CHICAGO.
Kill AND SAVE the THE BLOOMS Bugs!
QUICKLY DOES IT.



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"The kind that never fall apart."
If your seedsman doesn't handle them, order of us direct.
FACTORY AND OFFICE:
150-160 VEDDER ST., - CHICAGO.
(BUFFALO BOWL'S OLD.)

PURE
Sheep Manure.
In natural state, $1.00 per ton, in car load lots, f. o. b. cars, Kirkland, Ill. Also DRIED UNPULVERIZED —write for prices.
MONTANA FERTILIZER CO., Elgin, Ill.

PLEASE MENTION US TO OUR ADVERTISERS.

San Francisco.

STOCK IN GENERAL SHORT OF THE DEMAND.—UNFAVORABLE WEATHER THE CAUSE.—NEW CARNATIONS APPROVED—GROWERS TO COMPETE WITH THE CHINAMEN.

Continual cold weather since the beginning of December, with only two small showers of rain, has made stock very scarce. Especially is this felt by the smaller dealers, who rely a good deal on outdoor material, of which, with the exception of violets, very little is to be seen, and that of the poorest quality. Violets are also very poor in general and prices are low accordingly. Indoor stock is good but not enough to go around, and prices are very near the same as at New Year's. Beauties bring from $2 to $4.50 per dozen, teas from 75 cents to $1 50 per dozen, and carnations from 25 cents to $1 for Hobarts. Bulbous stock is cheap.

Mr. Clack, of Menlo Park, reports that the shipping business is very good and that he could easily sell more if it was to be had. The stock in his houses, some sixteen in number, is in the best of condition. Especially may this be said of the carnations, of which he has eight houses. All the leading varieties are grown here. Among others are Lawson, Scott, Hill and Portia. Of the newer varieties he thinks most of Dorothy as a producer and intends to stock at least two large houses with it for next year. At least one house of Estelle will be planted next season, which, by the way, seems to do well with everybody around San Francisco, and will be the leading scarlet next season.

Goertyhain's are busily engaged building a large house 20x200 for chrysanthamums and carnations. Their stock is a little late this season, but healthy and strong. They will supply San Francisco with asters next season; some 50,000 will be planted. This will send John Chinaman back to railroading and shrimp fishing. Sweet peas will also be grown here by the acre to make the Chinese shiver. GOLDEN GATE.

Lenox, Mass.

A well attended meeting of the Lenox Horticultural Society was held February 1. Three new members were elected. Wm. Tricker, of Riverton, N. J., read an exceedingly interesting paper on aquatic plants, for which a very hearty vote of thanks was accorded. The annual ball of the society took place on January 28 and was a great success, upwards of 300 persons being present. Credit is due George Thompson and his co-workers for the able manner in which all the arrangements for the ball were carried to such a successful issue. F. H.

WRITE
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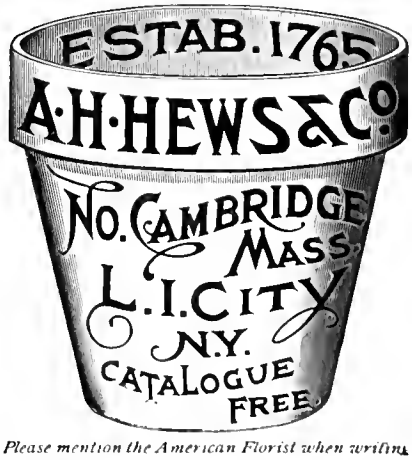

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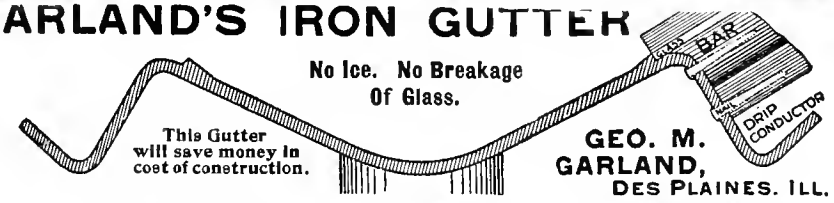

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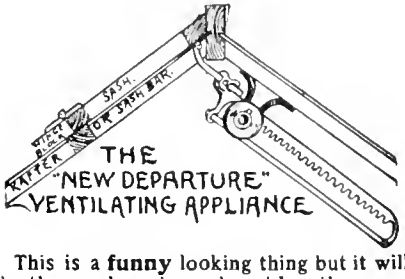

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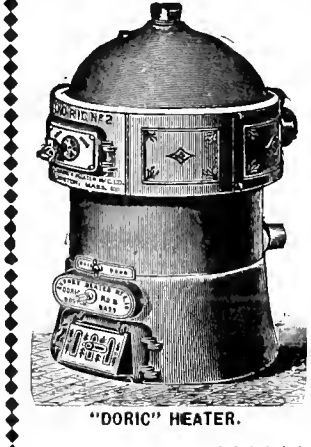

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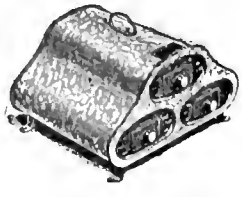

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Vol. XVIII. **CHICAGO AND NEW YORK, FEBRUARY 15, 1902.** **No. 715.**

THE AMERICAN FLORIST

SEVENTEENTH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

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AMERICAN ROSE SOCIETY.

Annual meeting at New York, March 11-13, 1902. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Indianapolis, February, 19 and 20, 1902. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Asheville, N. C., August, 1902. Edwin Lonsdale, Chestnut Hill, Pa., Sec'y.

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CARNATIONS.

THE NEW VARIETIES.

At the meeting of the St. Louis Florists' Club on Thursday, February 13, J. W. Dunford discussed the newly introduced carnations as follows:

In looking over recent trade papers and catalogues I find there are about twenty-five new varieties of carnations being sent out this year, and this is about the same number as last season. How many of them will prove to be better than existing varieties is hard to tell, but there are sure to be some. It is a little unfortunate that introducers are not more moderate and in some cases more truthful in their descriptions. It is still more unfortunate that some varieties are sent out at all; but we gladly admit that the general trend is onward and upward. Our plan is to buy a few each of as many of the new kinds as we can afford, providing we think, from seeing the flowers or reading descriptions, they are the kinds suited to our needs. We, however, go largely by the reputation of the firm sending out the variety, believing that a firm sending out a kind under a misleading or false description once, would have no scruples about doing so again. If by doing this we can gain two or even one kind that proves to be better than the others in its class, in one season's introductions, we feel amply repaid.

Personally, I think we are on the eve of great things in carnation culture. Go back with me ten years. Where are all the old timers? What was the standing of the carnation compared with some other flowers? I believe that in another ten years or less, there will not be a kind growing commercially that we are all familiar with to-day. I believe that the Lawson, Marquis and Prosperity are only the beginning of a new era in carnation culture, and that, while a rose is a rose, and nothing will ever take its peculiar place in the flower world, the carnation is in the lead to-day and means to stay there.

Of the many varieties sent out in 1900 there are only three that we think worth keeping. The Lawson needs no comment from me. It is fine, easily grown, but our summers are very hard on it. We shall try some planted from pot to bench this spring. Marquis and Lawson seem to thrive in about 50° to 52° night temperature, with liberal treatment, plenty of water and a judicious use of liquid manure. Regarding Marquis as a keeper, a wholesale man said to me a few weeks ago: "How is it that Marquis reaching me in the morning under similar conditions as other carnations and from the same grower, are ready to close up in the afternoon, and by the following morning are unsalable." I could say only in substance that they were grown too warm, cut too tight or not handled properly after being cut. We have frequently marked individual flowers on the plants and three weeks afterwards found them in excellent condition, a trifle pale but awake. I have with me two flowers that were marked on January 24, just three weeks ago to-day. Look at them and judge for yourselves.

Genevieve Lord is very fine for late spring and summer blooming when there is a little shade on the glass, but fades badly in the winter. It makes the biggest plant and strongest growth of anything on the place. Morning Glory, Olympia and Crocker we shall drop.

Among the kinds sent out in 1901 are some good things. Prosperity is very fine, but I am afraid we cannot afford to grow it at present market prices. It has absolutely no fault that we can see, but stinginess. If this variety could take the place financially among carnations, that the American Beauty does among roses, it would be Prosperity, or at least we would not lose money growing it.

Gov. Roosevelt we consider the best crimson and we will discard all others in this color. A finely formed flower, color just a shade darker than Gomez, but much fuller, fine stem, very free and early.

Norway is a good fancy white, comes a little flaked with pink in midwinter, but this does not hurt it. This kind is all right, free, strong grower, stems averaging thirty inches; one of the best sent out last season.

Lorna is a decided improvement on White Cloud, better in every way. We have picked flowers from Lorna with thirty-six-inch stems.

Mermaid is a good one in the salmon-colored class but somewhat of a cropper with us and has a tendency to split early in the season. It has a fine spicy fragrance, large flower, stem a little weak for the size of the bloom. We shall keep this variety, as it is the best in its color.

Queen Louise, as a good pure white, is a variety that will give more flowers per square foot of bench surface than any other kind we know about. There is no other white in the same class with it. We have been picking continuously from it since September 15. It is a good grower, the stem averages twenty-four inches and so far has developed no fault of any kind.

Dorothy is in the market to stay. We are much pleased with it and believe that it will eventually drive all the old timers in this shade of pink entirely out of the market. It is free, early and continuous. The flower is larger and fuller than Scott. We have as yet failed to find its first fault. Being that peculiar Scott shade of pink that always sells so well, it is bound to be a bread winner.

Hoosier Maid has a growth and flower similar to Daybreak, but it is white, just the thing for those who do this old kind well but who cannot grow some of the better whites. Give it Daybreak treatment.

Goethe we do not like at all. It is too single and fades badly. We shall not give it bench room again. Sunbeam is a good grower and free, but it also fades. We shall drop it.

Bon Homme Richard is as long as its name. We have them with thirty-six-inch stems, but the flower is rather small for the length of the stem. It has faint pink markings that do not hurt it a bit. I think this kind will give better satisfaction another year, as the stock we bought was rather poor.

This is the end of our list, as we did not invest in any of the others sent out last season. We think, on the whole, that a very creditable lot of new varieties was sent out last year and predict still better ones this season.

PACKING AND HANDLING.

Sleepy carnations are worse by far than bursted ones; it is a condition, once reached, for which there is no remedy, and has done more than any other one thing to keep the carnation a cheap flower. A bunch of carnations that will keep for several days or a week will make of the customer an ardent admirer of carnations, while a bunch sold that will not keep over night disgusts him and makes him a customer for other flowers.

There are a number of causes for sleepiness, several of which have been covered in former articles by experts in their special lines. Poor packing is one of these causes, but it would be hard to lay down rules for packing, as the distance of shipment, weather and other conditions have much to do with it. All of my shipments go to distant points in bulk and I use a corrugated cardboard box for lots of 700 or less and empty shoe cases for larger lots of flowers. Each box is lined with waxed tissue paper and then the flowers, in bunches of twenty-five, are put into the box, closely but not tightly, packed with the flowers towards each end of the box and the stems crossed or interlaced in the center of the box, this crossing or interlacing being about four inches, so that one cleat catches both sets of stems nicely. We try to have about an inch of air space between the flowers and the end of the box.

The cleat used is pine, one inch square, and cut to the width of the box. This is nailed down tightly over the stems in the center of the box. With the cardboard boxes we use a tin cap for the head of the nails so that they do not tear the cardboard. Over this first layer is placed a piece or two of waxed tissue paper and a second and often a third layer of bunches packed in the same manner, being careful to have all the strips used for nailing them down come exactly over each other. These strips nailed across the center of the box hold the stems so tightly that there can be no jolting or jarring of the flowers, no matter how roughly the box may be handled. With this method of packing there has not been, to the best of my knowledge, one complaint within the past three years of broken or mussed flowers, and not one bunch of twenty-five reported as sleepy.

After the box is packed as above we take newspapers and tie or nail them around it, about one-half inch thick, and then wrap the box with a good, strong, smooth manilla paper for an outside covering and for marking. This, of course, means some trouble and expense, but in the three years named I have not had one box of flowers frozen and the freezing of several boxes of flowers in a season would cost much more than could be saved by a less careful method of packing.

R. A. M'KEAND.

(Chairman Indianapolis Reception Committee.)

In many cases this sort of packing would be unnecessary, but not in so many cases as at first glance may appear, for the greatest danger from freezing is with the delivery wagons, where they are hauled around for from one to three hours on a cold day, with little or no protection. This extra labor in packing is therefore a sort of insurance against frost, and then, if a box is frozen, you can with a clear conscience make the express man pay for it, whereas in most cases it would be an injustice to compel an employe to pay for a box that was not properly protected against frost.

Another cause of sleepiness, and perhaps the greatest trouble of all, is the constant reaching after size, regardless of everything else. This leads growers to leave their flowers on the plants until they are fully developed. This may be all right for immediate and local use, but it must be remembered that with the full development of the flower on the plant there is also a full development of both the pistil and the stamens and these fully developed flowers will fertilize themselves with ordinary handling, and as soon as this fertilization takes place the flower is ready to go to sleep.

The flower is that portion of the plant intended by nature for the reproduction of the species and will remain open and perfect up to a certain limit of time waiting for this fertilization to take place. The carnation, through high culture, has turned its stamens into petals, thus preventing the natural process of fertilization, but nearly all carnations have a well developed pistil and quite a few have from one to eight stamens with ripe pollen. When fully developed, it takes but a very little bit of this pollen to produce fertilization and handling the flowers will put many of them on the road to sleepiness.

The remedy here is plain and simple enough. Simply cut the flowers before they have ripened any pollen. I pick my flowers three times a week, and closely at that, and as spring approaches we pick every day. I no doubt lose some in size but make that up in the keeping qualities of the flowers, having, as before stated, had no complaint of sleepy flowers within the past three years. These carnations will improve in the buyer's hands, if sold promptly, and give satisfaction and I think some of my customers must have discovered this for even with a little lack in size they bring as much or more than some that have been left to attain their full size. This is not an advertisement for my flowers, but a simple statement of facts, as I have no flowers to sell at any figure.

There are, of course, many flowers ruined in transit by being placed in a hot portion of the car. This is a matter that has to be fought out with the carrying company, but can often be avoided by careful packing. My flowers are put into water for a period of about eight hours, being cut in the morning, packed in the evening and all night in transit, with delivery the next day some time in the forenoon. While in water we try to keep the temperature 40° to 45°.

Growing the flowers too warm will superinduce sleepiness in the flowers and also where they are grown in too rich soil, in fact anything that has a tendency to soften the growth of the plant has this effect. This is an important matter and I would like to see it discussed by growers who adopt different methods with success. We cannot learn too much about the marketing of our finished product.

ALBERT M. HERR.

KEEPING QUALITY OF CARNATIONS.

I have read much of late about the lack of keeping quality in carnations and of shipments being asleep upon arrival at their destination. The many theories advanced as to the cause of this unfortunate condition have lead me to give this subject considerable thought and to make tests to satisfy myself that it is not the fault of the flower or the method of growing. I do not like to see people so ready to condemn this popular flower and throw it into obscurity.

Beginning with the time the plant is taken out of the field and benched in the houses, I find that the first flowers cut, those which are budded in the field, fail to keep well and lay the cause to the change of conditions. But this soon passes away and everything goes well until Christmas, when there is a hue and cry about pickled and sleepy carnations. Of course, there is a good deal of truth in what is said, but there is room for much doubt, and I find that most complaints come from people who buy in the wholesale market only at holiday time. They expect to pay only $3 or $4 per hundred for good carnations, and when the bill comes at $6 or more, there is consternation, and fault is found with part of the flowers, a reduction on the bill being asked, so that in the end the average cost will be somewhere near what the customer expected to pay.

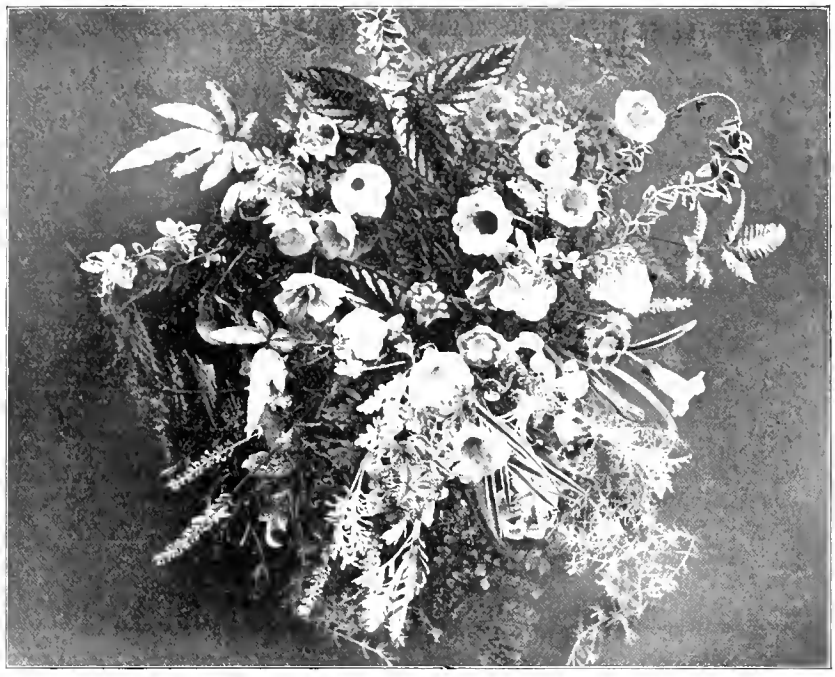
I do not know a grower or a commission man who does not exercise the greatest care in the selection of stock for shipping. It would be folly for him to do otherwise. Of course I know that there are growers, especially the smaller ones, who, for ten days or more before holidays, do not send in any stock unless hard pressed. This is certainly pickled stock when it reaches the wholesale market, but it is invariably sold to city buyers at low prices. I do not think it is ever knowingly shipped. Personally, I believe in holding back carnations by leaving them on the plants two or three days longer than usual, so that there will be an extra supply with which to meet the extra demand at holidays. Something must naturally be done to meet it, and I do not think that if this holding back is properly attended to it will lessen the keeping quality of shipping stock. Of course, there are exceptions to all rules, and there are a few varieties of carnations that will not keep ten hours after being cut. These varieties are known, and should not be shipped, much less planted by up-to-date growers. But wholesalers, in times of scarcity, will take chances on these varieties, and often pay for them, as they should.

On a recent Sunday our Mr George Reinberg cut two each of Crane, Joost, Lawson, Hill, White Cloud, Evanston, Marquis and Irene, and placed them in a vase in his home without change of water. The third day Joost, White Cloud and Marquis were asleep. The next day Lawson, Irene and Evanston were closed up, and then Flora Hill, but not until Saturday did Crane begin to show age. This should convince anyone that carnations, properly handled, should reach any destination in salable condition. But they dont, and why not? I will give my opinion.

The general method of packing cannot be improved upon. I have packed flowers for twenty years, and in that time have seen a great many methods followed, but it does not seem to me that it makes much difference as to keeping, whether carnations are placed carefully in layers with waxed paper between each layer, or whether they are packed in bunches of twenty-five, just as they come from the growers, regardless of order. In fact, some buyers prefer this method of packing, and I think it would be worth while to give it a general trial.

I think that our greatest trouble hinges with the express messenger who has the care of the boxes on the cars. In cold weather he is afraid they will freeze, in which case he is held responsible by the company and must pay the loss. To avoid this, when he receives flowers, up against the steam coils they go, no matter to him if they cook, for that cannot be charged up against him. This is the reason that in late years so very little stock is reported frozen in severe weather, and if a shipment is lost, and the fault traced down, we are told that a new man was on the run that trip; old men get wise. The train reaches its destination at midnight or early morning, and the box of flowers is taken to the depot office, where it is set beside a red hot stove. What can the result be? Upon opening the box the carnations are asleep, or ready to close up as soon as put in water.

Both shippers and buyers will notice that when the weather is moderate and little steam is required there are few or no complaints. Get a carnation chilled, and then have it heated up, as in the case before stated, and it cannot but go to sleep. I say that the best remedy for sleepy carnations is to teach the express messenger to keep the flower box a foot or so above the floor of the car and away from the stove or steam pipes. Then the flowers will arrive in good shape, for the box is wrapped to prevent freezing if ordinary care is taken. O. W. FRESE.



WREATH, PRINCIPALLY GLOXINIAS AND FOLIAGE.

NEW CARNATIONS IN CALIFORNIA.

Probably no city in the United States is to-day supplied with finer carnation blooms than is San Francisco, Cal. The writer recently paid a visit to the metropolis of the Pacific Coast and was very much surprised at the excellence of the stock in the florists' windows, and especially those shown by John H. Sievers & Co. "Sievers' carnations" are well known on the Pacific Coast, but not so well known in the eastern states as they ought to be. For a number of years Sievers & Company have been hybridizing and producing new carnations, but only a few of these have found their way into public channels, yet a few of them are well known and highly esteemed in the eastern states.

Of the many new varieties of merit now in the hands of this firm, probably none gives greater promise than Hannah Hobart. This is really a remarkable flower, never less than four inches, and frequently four and one-half inches across. This is getting pretty close to Uncle John's ideal. In color it is a shade deeper than Lawson, but the petal arrangement is quite different. In this respect it most resembles the old Jubilee, but of course the color is different. I saw two large houses of it at Sievers', and the sight is one long to be remembered, hundreds of blooms in sight and not a poor one in the lot, and everyone the exact counterpart of the other, no bursted calyxes, but every flower supported on a twenty-four-inch stem, and standing up like soldiers. Mr. Sievers has been growing this variety about five years, but as yet it is not disseminated except, I believe, to one or two eastern men on trial. There is certainly no carnation of its color that can equal it; it knocks Lawson into a "cocked hat," and averages all the time an inch larger.

Another remarkable variety, and one which I believe will become a universal favorite, is A. B. Spreckles. In color it is a bright scarlet, very double, and every petal deeply fimbriated, of immense size, being very little behind Hobart in diameter, but the quality that will commend it to the public is its odor. It has the finest and fullest old-clove perfume; one smell lasts half a day, and one bloom will perfume a room. The petal arrangement is about perfect, and the stem, calyx and general habit of the plant all that can be desired. I want you eastern fellows to keep your eye on Spreckles.

Another good one not yet out, but which has been grown by Mr. Sievers for some time, is Mrs. McKinley. In color this a deep rose-pink, averaging three and one-half inches in diameter. It has not quite such a fine stem as the two former, but is a fine seller and free bloomer. It is bound to become a favorite with the public.

R. Raymond is an improved Daybreak, and the finest carnation of its color. It averages three and one-half inches, is carried on a fine stem, never bursts and is a remarkable keeper. It has the peculiar habit of requiring three to four days on the plant to perfect itself even after it seems to be developed. Jenny Giffard is a fine free carnation, rose-pink, fringed, and carried on a strong stem twenty-four to thirty inches long, is not a cropper, but always in bloom.

The greenhouses where these fine carnations are grown are within the city limits of San Francisco, and cars run within a couple of blocks of the houses. The houses are mostly three-quarter span, facing the south, and are almost wholly devoted to carnations. Not only are their own fine productions grown, but quite a good deal of space is devoted to the newer eastern varieties. Here may be seen a fine house of Lawson, grown, perhaps, as well as Peter Fisher ever saw them, but a bunch of Lawson placed alongside a bunch of Hobart gives as

great a contrast as would a bunch of Portia beside a bunch of Crane.

This, you know, is the home of Ethel Crocker, and if some of our eastern brethren could see Crocker as here grown, they would feel like giving it a fair trial. John Hinkle, sent out by this firm some two or three years ago, is, in San Francisco, one of the most profitable and satisfactory varieties grown. It is not as well known in the east as it ought to be. In color it is like Roosevelt, but in size it puts this variety in the shade about an inch. It has remarkable stems, never bursts, and as the foreman, Thomas E. Hooper, remarked, "you can always cut a handful." I think this variety is at present overlooked.

One of the most remarkable fancy carnations is here grown very profitably. How does "buff with pink stripes" meet your fancy? This is the color of Iris Miller. I am told it is a really good seller and very productive.

Louise Sievers is the newest thing in yellow, a bloom of good size, three inches and over. It is clear lemon yellow with delicate pink pencilings, yet hardly enough of the latter to dull the yellow ground. It was showing fine crop when I saw it. This is a color always in demand, but few yellow carnations seem to have a long reign.

There are many other good things in new carnations to be seen at the Sievers place, some of which give great promise but which are not as yet sufficiently tried on the home ground. The newer eastern kinds are not neglected; 2,000 Lawsons were looking fine, and Mr. Hooper thinks well of it. The stems were better and longer than are usually seen on this variety. About a dozen houses are devoted to carnations, all of which were in the pink of condition, in fact, the finest grown carnations I have ever seen.

The man behind the bat in this game of carnation growing at the establishment of John H. Sievers & Company is Thomas E. Hooper. Mr. Hooper is a comparatively young man, and a true western one. He commenced as errand boy for the old firm of Miller & Sievers and has worked his way up to his present position. It is the skilful hand of Mr. Hooper that does all the hybridizing; in fact no other man knows the parentage of the many notable new carnations now in his care. I asked Mr. Hooper if he had any objections to giving his cultural methods to the public, and he replied "none in the world," and as they are so radically opposed to most methods in vogue I gladly give them here.

The natural soil here is a sandy loam, of a somewhat yellow color. To ten loads of this soil Mr. Hooper adds two loads of old cow manure and two loads of sand. "The carnation likes sand," says Hooper. The plants are benched about August 1. No top dressing is ever used. The soil is never cultivated nor scratched, but is hand weeded as often as necessary. No feed or stimulant of any kind is ever used before February, and then nothing but liquid. Three pounds of nitrate of soda to 500 gallons of water is the fertilizer here used.

One man does all the watering and he certainly has his practice reduced to a science. Syringing overhead is never practiced except to reduce spider. Airing is strictly attended to. I was at the greenhouses early in the morning and though no sun was shining yet the ventilators were open about three inches. This may have been on all night, but I did not ask. The whole place reflects the greatest credit on the grower, as the stock was fine.

Some space is here given to orchids, palms and pelargoniums. I noted a splendid batch of Cocos Weddelliana, from seed, in 3-inch pots plunged in sand. In the propagating houses, which are all north-side, were thousands of rooted and being rooted, carnations, all of which looked in the pink of condition. I noted that none of the cuttings were shorn, but retained all the foliage. Mr. Hooper thinks he gets a stronger plant in this way.

It is a practice with the firm of Sievers & Company never to send out a carnation till they have a better one. I can-

GEORGE TRUSSEL.
(President-elect, Montreal Gardeners' and Florists' Club.)

not say that I commend the practice. I have had a peep at the "better one" in the present case. It is a scarlet sport of Hannah Hobart, as large as the parent, and finer in every way. COASTMAN.

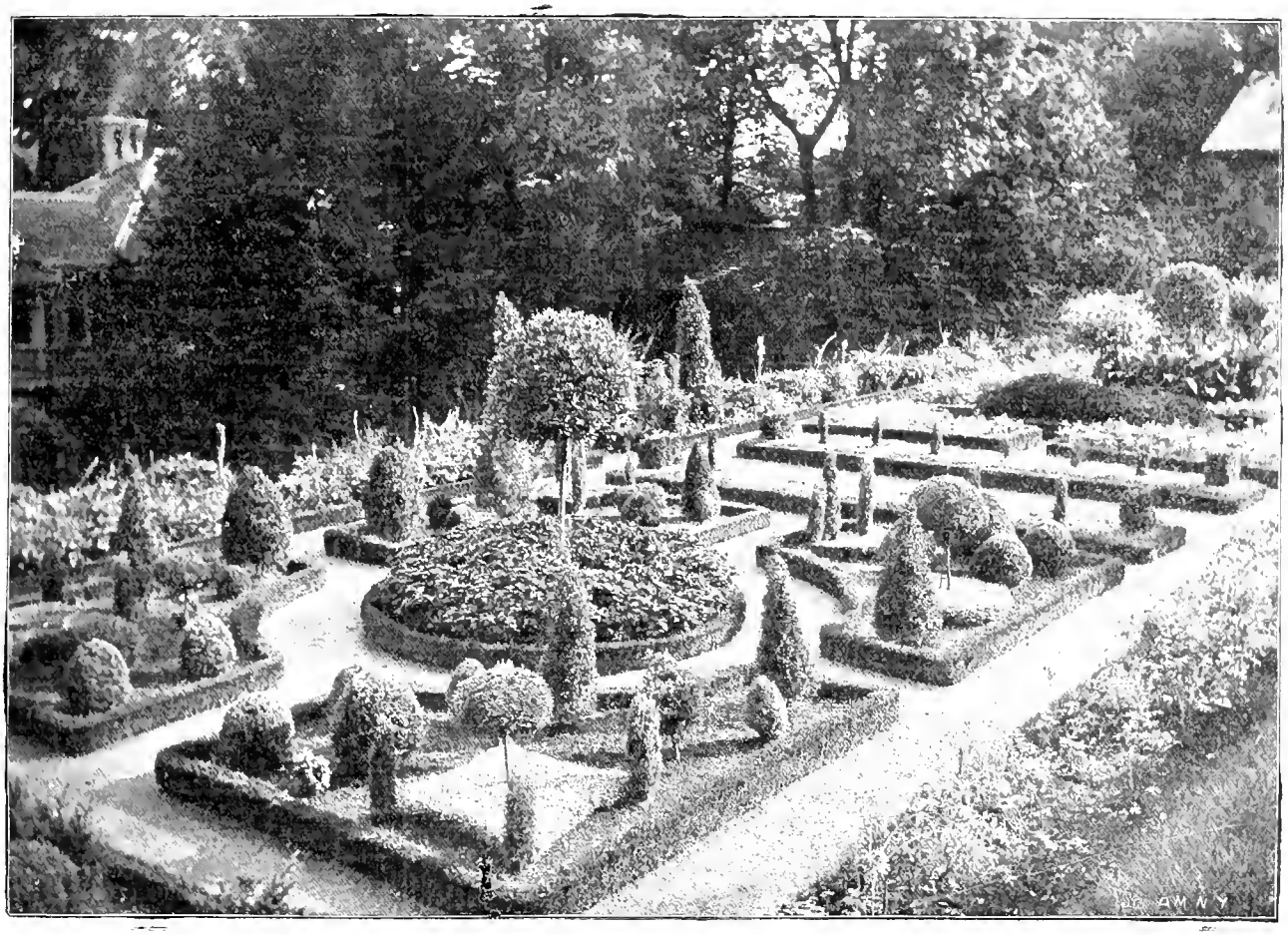
The Rose Balduin.

The note appearing on page 48 of the AMERICAN FLORIST to the effect that Peter Lambert, of Trier, Germany, said on January 20, 1902, that "I can say today that Helen Gould is another rose than my Balduin," should not be allowed to pass by unnoticed. The idea that Mr. Lambert apparently wishes to convey is that Helen Gould and Balduin are distinct from each other. Last autumn during the agitation about the rose in question, and about that time having received a catalogue from Mr. Lambert, and noticing both Balduin and Helen Gould therein, I wrote to him stating that there is a belief in America that these roses are identical, and further asked if he would kindly throw some light upon the subject. No reply was received.

The pedigree of Balduin as given in said catalogue is as follows: Chas. Darwin × Mlle. Marie Van Houtte. The latter tea rose will be remembered as having been renamed "Gem" some years ago by a firm located at that time at Morton, Delaware Co., Pa. Helen Gould's parentage is given as Kaiserin Augusta Victoria × Mme. Caroline Testout. The latter information was originally furnished by a journeyman florist hunting work, who stated he had worked for John Cook, of Baltimore, and Jennings Bros., Olney, Pa., and who also claimed that he owned two plants of a rose which he described as Liberty, but for the purposes of identification was known as Red Kaiserin. A liberal purchase price was offered for said two plants, which was accepted; but when the journeyman put in his claim for them where he had left them, namely, at the last establishment where he had worked, the proprietors thereof refused to give them up, and the journeyman returned empty-handed. He, however, imparted the information where plants in Germany could be bought under the name of Red Kaiserin. Plants were ordered and in due course received, and a fond hope was entertained that they would prove to be Liberty. Liberty was still at this time in the hands of the originators, Alex. Dickson & Sons, Ireland, or their authorized agents in America, Robert Scott & Son, Philadelphia, and E. A. Asmus, West Hoboken, N. J. The latter, when on a visit to the greenhouses where Red Kaiserin (Balduin) was being grown, pronounced it the same variety that he had tried or was trying for winter forcing under the provisional name of Columbia. Sometime during the experimental stages the fact became known that Balduin was not Liberty. A flower of the true Liberty was secured and forwarded to Trier, Germany, whence advice was received to the effect that plants could be furnished which would produce flowers of the genuine Liberty. Orders for plants were again forwarded —whether by cable I forget—and in due time arrived in America, which, after being grown for some time in this climate turned out to be Gruss an Teplitz.

All the above incidents came out during the investigation of the committee appointed by the Florists' Club of Philadelphia, and are herewith given for what they may be worth. It perhaps would have been more in accordance with the opinions of some experts if the whole matter had either been referred to the Society of American Florists or the American Rose Society; but when a member of any organized chartered body makes a motion, which is duly seconded and carried, to have a committee appointed to investigate a matter which may be in dispute and which is likely to prove of general interest, such a committee sees its duty and does it to the best of its ability, and that is the aspect of the case under consideration. The committee looked in every direction where any of the members thereof thought information was likely to be gained upon the subject, with the result as is now known.

Again referring to the note on page 48. There was no re investigation of the subject contemplated, as was indicated therein, but a supplementary report was made, which contained additional information received by the committee, and a motion was made at the last meeting of the Florists' Club of Philadelphia asking the privilege of making a supplementary report, which was granted, and duly read, when a motion was made "That



ITALIAN GARDEN AT O. D. MUNN'S, ORANGE, N. J.

the supplementary report be accepted and given to the trade papers for publication," whereupon an amendment was offered which read "That the report be received and spread upon the minutes," which was duly carried and the original motion lost, but was eventually carried as amended.

"K," in the Philadelphia news notes in reference to this matter, says: "While the club accepted the supplementary report of the committee on the Helen Gould rose, they did not care a picayune whether it was published or not, and so voted." While the above is apparently true, it is only partly so, for the original report of the rose investigating committee made at the January meeting of the club was on motion accepted and spread upon the minutes—nothing further—and this is exactly as the amendment provided at the February meeting, to the effect that the report be received and spread upon the minutes when that part of the motion as originally made, that the supplementary report be given to the trade papers for publication, was lost because the amendment prevailed.

No motion was made to have the paper, which was read at the same meeting by Geo. M. Moss, on "Cutting, Packing and Shipping Flowers," given to the trade papers for publication, yet it is published. The proceedings of the Florists' Club of Philadelphia are public property, no restrictions being put upon any of the papers read thereat nor are the reports of committees held back, and that is one reason why a live organization meeting monthly, even if it is local in name, has an advantage over similar organizations, apparently more national in character, when meetings thereof are held only annually. EDWIN LONSDALE.

Formal Gardening at O. D. Munn's.

Orange, N. J., is widely known as one of the most beautiful suburban residential districts contiguous to New York city. Its population is made up largely of people of refinement and taste who have laid out beautiful grounds surrounding their homes. One of the finest of these estates is that of O. D. Munn, in Llewellyn Park, and among the special attractions here is the famed series of terraces, without a sight of which no visit to Orange is complete. There are eight of these terraces, forming a striking background for the mansion, and back of these again rises the mountain, with its picturesque crags and forests. Our illustration depicts the first landing reached in ascending the terraces. This effective bit of Italian gardening was executed last spring by John Hayes, the superintendent of the estate, from a design prepared by Chas A Munn after a visit to many notable formal gardens in Europe. It is about 40x200 feet, the material being all hardy with the exception of the gigantic bay trees seen in the picture. Mr. Hayes is president of the Floricultural Society, an honor of which he is well worthy as a gardener and as a man. He is extremely popular among his fellow gardeners and florists.

DOVER, DEL.—Charles N. Lloyd has been appointed florist on the Delaware division of the Pennsylvania railroad.

CHRYSANTHEMUMS.

OUTDOOR CHRYSANTHEMUMS.

With regard to the comments of a recent correspondent, the best blooms, with handsome foliage, cannot be obtained by outdoor culture but those who are not used to seeing the very best flowers can obtain results pleasing to themselves and friends by potting strong plants into 6-inch pots the last of May and plunging the pots into the ground. All over three blooms taken will be at the expense of size. Use early varieties, take the first good bud after August 15, and keep all buds picked off that may appear thereafter. If the plant is allowed to continue to set buds, the earlier bud will shrivel and you will have a plant which will produce only late flowers. This is my experience with a hedge of Glory of the Pacific. Move the pots to shelter upon the advent of killing frosts, which may be looked for at any time after October 1. Plants promising very large blooms nearly out should not be allowed to remain out in big storms. Eel worms can be kept out of the pots by soaking occasionally with clear lime water. Lice can be kept off the foliage and tips by a continuous use of tobacco dust. Mulching the ground with fresh tobacco stems and renewing often will also keep them away. If plants are checked, neglected or allowed to wilt you will lose the foliage.

A far better method, and one that will give astonishing and charming results, is to set your plants out in a solid bed 8x9 inches apart and grow to single stems. A bed 5x10 feet will contain 100 plants.

Along in September, when heavy storms are expected, build a rough board house around this, laying hot-bed sash across the top in stormy weather and on chilly nights. Cleat the boards on the sunny side and you can remove this side in fair weather. The north side should be the highest to give the glass a pitch. I have seen very handsome blooms raised thus, some good enough for exhibition.

Experience will be the best guide as to what varieties are the most desirable, but avoid poor growers and those with weak foliage. Those wanting a hedge or permanent clumps for the lawn will find the many brilliant shades of the hardy pompon sorts very satisfactory and things of beauty each fall. RUFUS W. SMITH.

CHRYSANTHEMUM NELLIE POCKETT.

ED. AM. FLORIST:—Will some of your readers kindly give their experience in growing Chrysanthemum Nellie Pockett in 1901? It was catalogued last season as follows: "An extra early white of mammoth size, larger than Col. D. Appleton and earlier than Mrs. H. Robinson; a very solid, compact bloom on the style of Mayflower but very much superior; a fine, healthy grower with grand stem and foliage." The plants I bought did not come true to name and no one exhibited it at our nearby shows nor have I seen any reports about it in the paper.

R. W. S.

Nellie Pockett is a beautiful flower when well done, a large reflexed bloom with a whorled center. It blooms about the same time as Mrs. H. Robinson, but has not the value of that variety for commercial purposes. The growth, stem and foliage are all that can be desired, its one fault being lack of fullness in the bloom unless given special culture. To bring it to its best propagate early, giving the wood a chance to get thoroughly ripe by the time the buds are ready to take, selecting the crowns about August 20. It will stand liberal feeding and attains a height of about three and one-half feet. We do not class Nellie Pockett with either Col. D. Appleton or Mayflower but still consider it worthy of a place in any collection.

CHAS. W. JOHNSON.

An Iowa Establishment.

Before P. L. Larson embarked in business for himself at Fort Dodge, Iowa, four years ago, he was for five years foreman for J. C. Rennison, at Sioux City, and thorough master of the trade. For two years he leased the Kellenberger greenhouses at Fort Dodge and then bought five lots each 50x162 upon which to erect the range of glass, store and dwelling shown in the accompanying illustration. Here he has a model plant of 16,000 feet and does a general local and mail trade. The glass is all 16x18 double strength of first grade and the material in the houses is Moninger's cypress; their ventilating apparatus is also used. There is a boiler shed and work room 14x112 and a steam boiler 4x16.

An Ohio Store and Stock.

The accompanying illustrations are reproduced from photographs that give different views of the retail store of Walker & McLean, Youngstown, O., taken the week before Christmas. These give an idea of what they were doing in the way of flowering and decorative plants, both of which sold exceptionally well. Among plants those that sold best were poinsettias in pots and pans when dressed with Porto Rican mats and ribbon. Next came Begonia Lorraine in 4-inch and 6-inch pots. Medium sized araucarias with mats and draped with red baby ribbon were in unusual demand. Baby primroses in 6-inch and 8-inch pans sold well. This firm also had a number of handle baskets filled with begonias, poinsettias, heathers, and so forth and trimmed with ribbon to match the flowers, but these sold only moderately well. Medium sized Boston ferns sold best of all decorative plants, with a fair demand for kentias, arecas and rubbers.

VIEW IN THE STORE OF WALKER & McLEAN, YOUNGSTOWN, O.

VICTORIA, B. C.—Mrs. M. A. Connell was married recently and is now Mrs. Farrington.

MIDDLEBURY, VT.—Edmund G. Hunt, of the firm of Hunt Brothers, was married on Tuesday, February 4, to Miss Edna B. Woolley.

The Herbaceous Border.

[A paper by John W. Duncan, read before the Gardeners' and Florists' Club of Boston.]

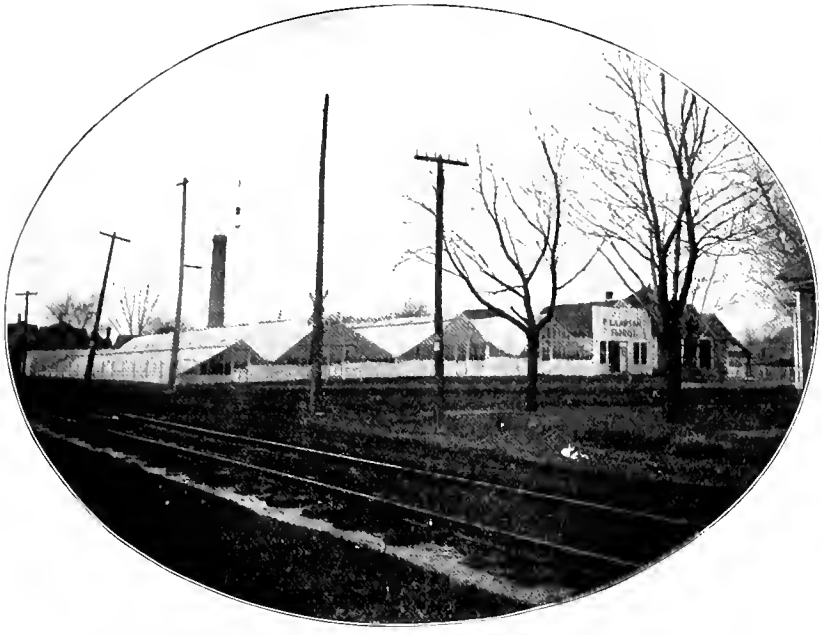
There is no class of plants that, to my mind, will give more pleasure, more abundance of varied blossoms and colors or a longer season of continuous bloom than the occupants of the old fashioned hardy border. It is here that from the earliest days of spring, when the erythroniums and spring anemones greet us with their pretty little blooms, until the late days of autumn, when the frost has blackened the more tender plants, yet left an abundance of hardy chrysanthemums, it is here, I say, that one may pick on any day a bouquet, aye, an abundance of some of nature's gems. I will confine my remarks to a suitable collection to give a varied amount of bloom through the whole season and I hope the professional will sift the chaff to his own liking.

In order to have a good hardy border it is necessary to begin right, and, therefore, in the first place the soil will have to be prepared. Any good, rich loam is suitable for this class of plants, but it will require proper treatment just the same. It ought to be thoroughly drained and subsoiled and well enriched. I have lately seen many herbaceous gardens laid out in small borders or beds, but I do not think that this system is satisfactory. I have seldom seen such planting harmonize with the surroundings. I recall seeing a garden so laid out by a landscape artist, so called. It had small beds edged with dwarf box, walks about four feet wide paved with brick and was planted with a very good collection of herbaceous plants ranging in height from one to six feet. The gardener who had charge of the place was cautioned not to tie or stake up anything, as by so doing he would spoil the natural effects. You can imagine the natural effects that garden had.

There is no more satisfactory way of growing herbaceous plants, in my opinion, than after the style of the old fashioned border of British gardens. Let there be whatever reasonable length or width of border the location and background will permit, the plants if properly arranged will give a wealth of varied hues from all directions and at all times during the season. I do not mean that the varieties shall be dotted through, hit or miss, in single plants, but that each kind shall be kept as much as possible in patches or groups, in many cases the larger the better.

It requires much consideration and a knowledge of the habits of all the different species to plant a border satisfactorily, and any one, after seeing such a border growing for one or more seasons, can usually make marked improvements on the arrangements for its continuous beauty. In a word, the idea is to plant so as to have no bare spaces show during the season, from the dying down of the earlier flowering species. I have sometimes used spring-flowering bulbs to brighten the earlier part of the season and in spaces where they have died down have used annuals later on. I do not much care for the annual part, but some spring-flowering bulbs growing up through some of the other plants will not look out of place by any means.

The best time to plant herbaceous perennials is in early fall and every year many of the varieties are better to receive more or less attention in the way of division. The first winter after planting they should be well mulched to prevent heaving with the frost and, in fact, many



ESTABLISHMENT OF P. L. LARSON, FORT DODGE, IOWA.

species will always winter better if mulched. I do not propose to lengthen this article with the requirements of every species that I am going to mention, but a few remarks as I pass along may prove of interest.

Of the spring and early summer plants I will mention Anemone Pennsylvanica and A. Pulsatilla, Alyssum saxatile, the showy Anchusa Italica, with its abundance of blue; Anthericum Liliastrum, the pretty St. Bruno's lily; aquilegias in variety, from the pretty little A. alpina on through the season, with A. Canadensis, A. cœrulea, A. chrysantha and the many hybrids; Arabis albida, Baptisia australis, Belamcanda Chinensis, followed by its blackberry-like fruit; Callirhoe involucrata, a pretty poppy-like plant of trailing habit; campanulas in variety, Centaurea macrocephala, one of the best border plants; Delphinium Chinense, D. Cashmerianum, D. formosum and the many hybrids; Dianthus plumarius and its many varieties, Dianthus barbatus, Dicentra eximia and D. spectabilis; Digitalis purpurea, D grandiflora and D. ferruginea gigantea; Epimedium alpinum and E. alpinum rubrum; Eryngium planum and E. amethystinum; Geranium maculatum, Helenium Hoopesii, Hemerocallis flava, with its yellow blossoms, followed later with such varieties as H. Dumortierii, with orange yellow flowers, H. fulva and its double variety, H. fulva Kwanso, with reddish yellow flowers, and perhaps the best variety, the Japanese H. aurantiaca major; Heuchera sanguinea, the pretty coral bells, and its varieties, H. sanguinea alba and H. sanguinea splendens; Incarvillea variabilis and I. Delavayi, with gloxinia-like flowers, one of the finest border plants in cultivation; Lychnis Flos-cuculi, L. semperflorens, L. Viscaria splendens, L. vespertina flore-plena and the pretty Haageana hybrids; Œnothera Fraseri, followed by Œ. macrocarpa and later by Œ. Youngii and Œ. riparia; Papaver orientale, perhaps the most showy of all the border plants; Pentstemon barbatus, potentillas in many hybrid varieties; Pyrethrum roseum in variety; Salvia pratense; Spiræa astilboides, S. palmatum, S. lobatum and S. aruncus; Stokesia cyanea; Thermopsis Caroliniana; Tradescantia Virginica and varieties; Veronica gentianoides and V. spicata.

These plants may be followed by the following later blooming varieties, many of which commence to bloom at midsummer and continue till frost: Achillea Eupatorium, with large yellow flowers; A. Millefolium rubrum, A. Ptarmica plena The Pearl and A. tomentosa, of dwarf habit and bright yellow flowers; Aconitum Napellus and A. autumnale; Agrostemma coronaria; Anemone Japonica and its varieties, Rosea, Brilliant, Queen Charlotte and Whirlwind; Anthemis tinctoria and A. Kelwayi; Asclepias incarnata, A. speciosa and the pretty A. tuberosa; asters in great variety, from the pretty A. alpinus to the lovely A. Novæ-Angliæ, of which we have shades of almost red, white and blue; Bocconia cordata, a showy plant of tall habit; Cassia Marylandica; Boltonia asteroides and B. latisquama; Chelone Lyonii; Clematis Davidiana; Coreopsis grandiflora, C. verticillata, C. delphinifolia and the taller C. tripteris; Desmodium Japonicum and D. penduliflorum; Dictamnus Fraxinella and D. Dahurica; Eupatorium ageratoides, E. cœlestinum and E. purpureum; Gaillardia aristata and many hybrids; Gypsophila paniculata, Helianthus multiflorus flore pleno, H. giganteus and H. Maximiliani, the beautiful golden yellow of H. mollis and H. rigidus var. Miss Mellish; Helenium autumnale and H. grandicephalum striatum; Heliopsis lævis and H. Pitcheriana; Hibiscus Moscheutos and H. Crimson Eye; Lathyrus grandiflorus, L. albus and L. latifolius; Lythrum Salicaria; Liatris spicata, L. pycnostachya and L. scariosa; Lychnis Chalcedonica and L. alba; Monarda didyma and M. purpurea; Platycodon grandiflorum, P. album and P. Mariesi; Polygonium cuspidatum and by far the most useful variety P. compactum; Pyrethrum uliginosum; Rudbeckia purpurea, R. speciosa, R. subtomentosa, R. laciniata and its double form, R. Golden Glow; Salvia azurea grandiflora; Silphum laciniatum and S. asperrimum; Statice puberula, Scabiosa Caucausica and S. sylvatica; Tritoma uvaria, T. Pfitzerii and T. caulescens; Veronica Arkansana Baldwinii and V. hybridum; Yucca filamentosa; Veronica longifolia and V. longifolia subsessilis.

There are many more plants that may be added to the border, such as the different eulalias, bambusas, etc. Then I have a few more to speak of, the hollyhocks, hybrid phloxes and pæonias, of which there are an endless variety; then the irises, commencing in the early spring with the pretty little I. cristata and I. pumilla on through the many species to I. Germanica, I. Sibirica and the lovely I. lævigata. Lastly, let me mention the most gorgeous of all, which would require a whole chapter to themselves. I refer to the lilies. They will give a continuous variety of blossom through the whole season from the early coral Siberian tenuifolium through the many beautiful native and other species to the glorious Japanese forms of elegans, speciosum or auratum.

VIEW IN THE STORE OF WALKER & McLEAN, YOUNGSTOWN, O.

New York.

CLUB PARTAKES OF ANNUAL BEEFSTEAK — BUSINESS SESSION HAS TO DO WITH EXHIBITION —THORNE HAS GREAT SUCCESS WITH CARNATIONS.—SCOTT PAYS BETTER THAN NEW SORTS.—SCHULTHEIS SHOWS GOOD PLANTS.—TAYLOR WILL PLANT LIBERTY CLOSER —ROSES DO NOT LIKE STEAM PIPES IN THE BED.—MANY NOTES OF INTEREST.

The second annual old-fashioned beefsteak dinner of the New York Florists' Club came off on schedule time last Saturday evening and the sixty or seventy participants got full value for their money. Julius Cæsar Lang as High Steward, in his white coat and cap, was a jewel of the first water, and a classical programme prepared, it is surmised, by the Honorable Patrick O'Mara, told all about what Julius was going to do for the inner as well as the spiritual man. The programme of "The Coming of the Steak," "Rushing the Growler," "More Steak," "And Now Cometh Beer," The Beefsteak Goeth Merrily 'Round," "Carbonated Waters are Now Due," "'Tis Now Time for Chops," Rigs o' Barley," etc., was well interspersed with verses, quoted and original, appropriate to the occasion, among the original ones being the following, also attributed to Mr. O'Mara:

When man essayed to name this flower,
So fill-d was he with admi ation
He cried, Divine! This very hour
I hail thee, dear, my sweet carnation.

The rose, orchid, chrysanthemum and violet were honored in similar manner. During the serving of the viands an excellent entertainment was given by W. J. Cooke, songs; The Great Hurd, magic; Prof. Max Stern, violin solo; Jack O'Donnell, dialect stories; Chris. Green, songs; J. A. Dunn; mimicry; Tommy Baker, songs, and the orchestra. Messrs. Patrick O'Mara, E. E. Bogan, Lawrence Hafner, A. H. Langjahr and C. W. Ward assisted the magician to resurrect eggs, cards, canaries and other implements of his office, much to their own mystification and the merriment of the audience.

At the meeting of the New York Florists' Club last Monday exhibition preparations claimed most of the attention of the members present. The schedules are almost ready for distribution. It was decided to eliminate the flower booth and selling privilege. The exhibition committee has been in correspondence with the National Sculpture Society, considering a combined exhibition. If satisfactory arrangements can be made the result would be a unique exhibition and one of unusual interest. Entries for the prize of $100 for an acceptable plan of arrangement must come to the committee in sealed envelopes, the identity of all contestants to be concealed until the award is made. The time limit on entries is set for noon on July 1. Wm. Plumb was appointed exhibition manager. Eleven new members were elected at this meeting and C. W. Ward showed Joseph H. Manley carnations, which received a certificate of merit.

Carnations at A. L. Thorne's greenhouses in Flushing are well worth going to see. Mr. Thorne seems to have struck his destiny when he decided to devote some of his best houses to carnation growing and it is not surprising that one more rose house is to know the Bride and Bridesmaid no more and its stretch of 317 feet is to be, next season, an expanse of Lawson, Prosperity and other noble examples of the divine flower. Among the varieties that are especial favorites with Mr. Thorne because they grow well, flower profusely and sell well are the two varieties above named, also Marquis, G. H. Crane, Genevieve Lord, Mrs. Bradt and, last but not least, that perennial favorite, Wm. Scott. The figures show, too, that the Scott house is the best-paying house in the range this season. Crane is, and has been, a veritable forest of buds ever since November, some of the stems nearly three feet high. Mr. Thorne's theory regarding the Marquis and its reputed tendency to go to sleep is that it should never be marketed directly after picking, but should be given twenty-four hours with the stems in water, when it will be all right and give no trouble as to keeping. Norway is unsatisfactory with him. It comes more or less mottled with pink, enough to injure its use as a white variety but not enough to please as Prosperity does. Ballahoo Girl is the name Mr. Thorne has given to a very bright deep cerise seedling now in its second year. It is said to be a cross between Genevieve Lord and Wm. Scott, the latter being the seed parent. It bears stems of remarkable length but rather deficient in stiffness.

At John H. Taylor's place in Bayside Lawson and Prosperity are both exceedingly fine and covered with buds. Marquis is also all right. Genevieve Lord is criticised here as being rather slow. Gomez, White Cloud and Crane are all giving good satisfaction. Roses are in their customary good form, with a mighty crop of Brides and Bridesmaids in prospect. Mr. Taylor will plant Liberty closer together in the beds next season, reducing the space for each plant from fifteen inches to ten inches, because of its upright, fastigiate growth. He has lost a number of rose plants in the beds through which pipes are run to give bottom heat. These plants were all right and led a strenuous life until, apparently, the tap-roots reached the hot pipes. Mr. Taylor will run the pipes through round tile next year to prevent a recurrence of this disaster.

A. Schultheis is at it again and if present indications count for anything he will have the finest lot of trained Crimson Ramblers ever seen in this market, not to mention ericas in several beautiful species and azaleas innumerable. Some of the earliest of the Ramblers will be in bloom in two weeks. The azaleas here are all grown now in the short pots which are two-thirds the usual height of flower pots. A bench of oranges, Florida-grown, gives notice that the day for imported orange trees is gone and that hereafter the native product will rule the market. Lilies look luscious and promising but they are interspersed with just enough runts to show that the disease is still doing business at the old stand.

One of the most effective floral pieces ever placed in a florist's window was shown in Thorley's one day last week. It was a large mound of double orange calendulas, with a lot of wall flowers massed in one section, with Asparagus Sprengeri for green and a very chic bow of black velvet. It attracted a big crowd of Broadway passers.

Miss Boulanger, the sunlight of whose smile illumines the recesses of Cleary's auction rooms, has become the president of a bachelor girl's club, whose rules are very strict. That takes courage; and Valentine's day so near, too!

The employes of Hitchings & Company had their annual reception and ball at Jersey City on the night of February 11. The affair was equal to the best of its predecessors.

J. B. Davis, the genial ex-secretary of the N. J. Floricultural Society sailed on February 8, on the Celtic, for Palestine, Egypt and other Mediterranean points of interest. He will return latter part of April.

Business continued fair until Wednesday, the beginning of Lent and a national holiday. Carnations are weakening somewhat. Cattleyas and lily of the valley are showing increasing strength.

Nelson Bogne, of Batavia, N. Y., was here last week on his way to Cuba. Other visitors were Lewis Chase, Rochester; Jos. H. Rebstock and wife, Buffalo, and Fred. Brietmeyer, Detroit.

The greenhouses of Adolph Kayser, on Sanford avenue, Harrison, N. J., were damaged by fire to the extent of about $500 and many plants killed on February 5. No insurance.

Boston.

GARDENERS' CLUB DISCUSSES ROSE GROWING —TRADE BRISK IN THE DAYS BEFORE ASH WEDNESDAY.—BIG CUT OF ROSES IN PROSPECT — AGITATION AGAINST THE BROWN TAILED MOTH.—AT HORTICULTURAL HALL.—VARIOUS JOTTINGS.

The February meeting of the Gardeners' and Florists' Club on Tuesday, February 11, was devoted to an interesting discussion of some phases of rose growing, particularly the question of superiority in grafted stock for roses under glass and the experience of members with different kinds of stock. F. R. Mathison opened the discussion by a consideration of the conditions existing at the time the present system of planting grafted roses was generally adopted, when roses of the Mermet class had, through over propagation, high temperatures and excessive stimulation for years, became greatly weakened in constitution. He contrasted conditions between the present and the methods of growing worked roses prevalent at the beginning of the commercial rose forcing industry and expressed a preference for budded over grafted stock, because larger wood can be used. He said pointedly that the Manetti was the salvation of the Bride, Bridesmaid and Mermet roses, and gave it as his belief that in establishments of 20,000 feet of glass and upwards it is easier to keep up stock by grafting than by cutting propagation. Alex. Montgomery told of his experiments in former years with seedling briar, multiflora, Banksia and Tailby stock, all of which had proved failures, and his adoption of the Manetti as a stock many years before it became generally known that the roses at Waban were not grown on own-root plants. Answering a question regarding sterilized soil, he replied that he has tried it on a small scale. It has one advantage, that of keeping down weeds. Undoubtedly a good many soils would be benefited by sterilizing, and he believes the subject worthy of further investigation. Wm. Donald stated that the grandest crop of roses he ever saw was grown on multiflora stocks, but that one crop was all the plants ever produced, and he was convinced that while multiflora might be all right for hybrid remontant roses it is valueless for teas. Kenneth Finlayson, Chas. Sander, M. H. Morton and W. J. Stewart also participated in the discussion.

The nests of the brown-tailed moth are seen in myriads on the trees and shrubs in the fields and gardens throughout Somerville, Newport and portions of Cambridge and adjoining towns. These nests, containing from 200 to 1,000

young caterpillars each, are generally found near the tips of branches and can therefore be easily and quickly cut off with pruning shears and burned. Owing to the irritation of the skin caused by the detached hairs of the caterpillars, where they are abundant, requiring sometimes the services of a physician, the question of the destruction of these pests becomes one of self-defense and it would seem that those people who are not sufficiently public-spirited to do their share in protecting the community ought be influenced by the necessity for self-protection.

The wind-up of the season preceding the beginning of Lent is characterized by the customary rush and the demand for flowers is on with a vengeance. The city florists are pushed to the limit with business and the wholesalers find it impossible to get sufficient of the right kind of material to supply the call which is coming in from all sides and from distant points that have not been heard from since Christmas and may not be heard from again until Easter. But it will not last long and the recent short crop on roses is a good indication that we may look for an abundance in the sunny spring days soon due.

At the funeral services of a prominent merchant last Monday, the floral tributes made an imposing display. As indicating the present taste here in the matter of funeral designs it is noticeable that the tributes on this occasion consisted of a score of wreaths of varying sizes, ten flat bunches and one cross. The wreaths were in no case "mixed" wreaths but were made of two or, at most, three varieties of flowers only, such as lilies and violets, carnations and orchids, galax and roses, ivy and lily of the valley, etc.

At Horticultural Hall, on Saturday, February 8, there was a nice little show of freesias from Col. Chas. Pfaff, Primula obconica from Mrs. B P. Cheney, Primula Sinensis and camellias from Mrs. J. L. Gardner, carnations from M. A. Patten, A. Roper and Miss H. B. Winter and orchid flowers from Mrs. Gardner and Col. Pfaff. Mrs. Gardner was awarded a silver gilt medal and Col. Pfaff a silver medal for the orchids.

The Boston party for the carnation meeting at Indianapolis, as now made up, will consist of Wm. Nicholson and daughter, M. A. Patten, C. Warburton, Peter Fisher, Wm. Sim and S. J. Reuter. They will leave at 4:30 p. m. on Monday, via Boston & Maine and West Shore railroad. Messrs. Alex. Montgomery, Jr., and Wallace R. Pierson will take the trip via Washington and Cincinnati.

Fred. Breitmeyer, of Detroit, spent a couple of days here the first of this week and visited Waban Rose Conservatories. Other visitors were Paul Berkowitz, of Bayersdorfer & Co., Philadelphia; H. W. Gibbons, New York; E. J. Harmon, Portland, Me.; Mr. and Mrs. S. S. Pennock, Philadelphia, and E. H. Chamberlain, New Bedford, Mass.

Cincinnati.

TRADE VERY BRISK AND SUPPLIES SHORT IN MANY LINES.—ILLNESS IN THE TRADE. —A WEDDING —OTHER NOTES.

Trade is first-class, with not near enough flowers to fill orders. Roses appear to be off crop generally, which accounts for the ready sale of other flowers Violets also are in great demand and those received sell on sight. Bulbous stock is arriving in larger quantities and sells well. Harrisii lilies are ordered in advance and of course there are not near enough to go around. There is smilax and adiantum for all orders received.

There have been any number of florists on the sick list the past two weeks, but from last reports all are convalescent. Frank Ball and J. A. Peterson were ill and the children of Ben. George and Geo. Murphy were down with the measles.

Charles McCrea, head clerk for Hardesty & Co., stole a march on his friends last Thursday and was married to Miss Irene Rogers, the charming daughter of Mr. and Mrs. James Rogers, of Newport, Ky.

The bulb men have arrived, the first making his appearance last week.

H. M. Altick, of Dayton, O., was a caller this week. D.

Chicago.

TRADE LIVELY AT THE ENDS OF THE WEEK.—ROSES NOW MORE PLENTIFUL. WHITE CARNATIONS IN GOOD DEMAND.—PINKS ACCUMULATE.—TOO MUCH BULBOUS MATERIAL.—FIRE MAKES TROUBLE FOR WHOLESALERS.—DEALERS MAKING NEW LEASES.—VARIOUS NOTES OF MORE OR LESS LOCAL INTEREST.

Beginning with the end of last week, trade has been very lively in this market, there being a large demand from the south, particularly from New Orleans for the Mardi Gras festivities. But roses have become more plentiful, with the possible exception of good American Beauties, and it is now possible to meet requirements, with few exceptions. Beauties are neither very plentiful nor very good, but the price is showing a downward tendency in keeping with other rose values. There are now Brides and Bridesmaids enough to go around and the prospects are for very heavy crops in the near future. The new price lists show a cut on these items, and it is probable that in a few weeks values will be reduced a good deal, but on the part of the growers and handlers the increase in receipts will for a time counterbalance the fall in prices. As to carnations, there were thousands remaining unsold along in the middle of the week, but none of these were white. This market has seldom known heavier carnation receipts than at the present time, but all the whites are used up at good figures, the pinks being the ones which drag. The carnation growers are already feeling the absence of the street fakirs, for with the Greeks working there would be an outlet for this material at some price, but with conditions as they are, the retailers have no use for the large quantity of material coming in, no matter what the figures may be. With milder weather violets are moving rather better than within the past two or three weeks, but at no high values. There are oceans of bulbous stock, and it is hardly moving at all. La Reine tulips are seen on every hand in the wholesale market, and in most of the store windows, but the receipts are so heavy that no fairly remunerative use can be found for all of them, and the same is true of daffodils, narcissi and Roman hyacinths. Lily of the valley is also plentiful but moving fairly well at low prices.

At the meeting of the Florist's Club February 12, the transportation committee reported that the Pennsylvania railroad had been selected for the trip to Indianapolis. The train leaves the Union depot February 18 at 8:40 p. m., the fare for the round trip being $6.70. This train arrives at Indianapolis at 4 a. m. February 19, and berths may be reserved on application to E. F. Winterson, 45 Wabash avenue. For the benefit of those who may not be able to make this train, it was stated that the fare for the occasion will be the same on all trains and railroads running to Indianapolis. The entertainment committee reported progress and was instructed to arrange for a concert and ball early in April. A. Jurgens exhibited good examples of lily of the valley, Dutch hyacinths and narcissi. The lily of the valley and his Grand Maitre hyacinths were especially fine, the latter having three and four good spikes per bulb. These two exhibits were awarded the usual first and second prizes, respectively. In answer to a question, Mr. Jurgens stated that blue hyacinths sell best. J. D. Thompson, of Joliet, was elected to membership.

When the firemen had finished pumping into the burning Sandford block last week, nearly two feet of water had run into E. C. Amling's store and he was two days in getting things fixed up in business shape again. In the meantime he had counter space at E. H. Hunt's and was able to take care of his shipping trade in fairly satisfactory fashion. The insurance company is rebuilding his ice box, which was pretty well soaked up, but otherwise his loss was not heavy. Kennicott's were driven out of their store during the half day the fire raged, and suffered some damage from water, principally on wire work.

There is now assurance of a party of at least twenty-five local carnation men and others who will go to Indianapolis next Tuesday evening, leaving here at 8:40 on the Pennsylvania railroad. Those from near-by towns or the west, who will be passing through Chicago, are invited to join the Chicago delegation.

C. L. Washburn and Andrew Benson will go to Indianapolis next week with exhibits for nearly every class on the schedule. It will be the first time that Bassett & Washburn have figured in the exhibition of the American Carnation Society, and their stock is so good that their presence will add materially to the interest.

Weiland & Risch say that Marquis is the best carnation they have thus far grown, but that it is only now giving a heavy enough cut to be profitable. They say that Mrs. Lawson is a wonder as a producer at their place.

The Kennicott Brothers Company has made a five years' lease on its present quarters, with the addition of about one-third more space. During the summer they will remodel to a considerable extent, rebuilding the cold storage room after modern principles.

A. L. Randall has made another year's lease on his present quarters, this time with A. Montgomery Ward, who recently bought that corner from C. W. Marks for $600,000.

A. Lange says that despite the talk of a sixteen-story office building on his corner, he has a lease which will keep him in his present quarters until 1905.

Warren Garland, at Des Plaines, is rejoicing in the arrival of another son. He now has two boys and two girls.

B. Eschner, of M. Rice & Co., Philadelphia, expects to visit this city the first week of March.

John Degnan, of Vaughan's Seed Store, has been on the sick list this week.

Visitors: C. R. Hills, Grand Rapids; C. W. DePauw, New Albany, Ind.; S. S. Skidelsky, Philadelphia.

THE AMERICAN FLORIST

SEVENTEENTH YEAR.

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from those in the trade.

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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-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., Chicago.

THE manufacturers are working overtime making thumb pots.

GET a certificate when you start for Indianapolis; it costs nothing but the asking.

IN view of the frequency of recent fires it seems that a man who isn't insured is taking long chances.

KENTIAS will shortly be in demand for growing on; well grown plants will be good property next fall.

THE plantsmen are all looking for a big spring business to open as soon as settled milder weather comes.

DAVID SYME, manager of the well known firm of Peter Lawson & Son, Edinburgh, Scotland, died January 25.

THE date at which your subscription expires is shown on the address label on your paper. Our aim is to merit prompt renewal.

THERE will be no surplus of good geraniums this spring; but there are always too many mis-shapen plants of inferior varieties.

IN the Helen Gould-Balduin rose matter we are in receipt of a communication from Myers & Samtman, of Philadelphia, with regard to their connection with the sale of the rose Columbia. Some further particulars being necessary to include all facts, the document is held over until they are received.

Inestimable.

ED. AM. FLORIST:—Enclosed find $1 for which please send your paper to me for another year. It is of inestimable value to any florist. L. P. LORD.

Owatonna, Minn.

Indianapolis Hotels.

The following are the hotels which the Indianapolis reception committee recommends to those who will attend the approaching convention of the American Carnation Society:

EUROPEAN PLAN.

Lorraine, single, per day	$ .75 to $1.00
" double, per day	1.00 to 1.50
Ouenda, per day	.50 to 1.00
Lorette, per day	.50 to 1.00
Denison, per day	1.00 to 3.00

AMERICAN PLAN.

Spencer per day	$2.00
Circle Park, per day	1.50
Lorette, per day	1.50
English, per day	$2.00 to 2.50
Denison, per day	2.00 to 5.00
Grand, per day	2.00 to 4.00
Occidental, per day	2.00

Greenhouse Building.

Utica, N. Y.—W. A. Rowlands, two houses.

Wauwatosa, Wis.—A. Klokner, range of houses.

Wyndmoor, Pa.—Myers & Samtman, range of houses.

Mt. Clemens, Mich.—James Taylor, house 20x150.

Minneapolis, Minn.—Hans Rosacher, range of houses.

New Haven, Conn.—Mrs. Wilbur, conservatory.

"Bodock, Which Never Rots."

ED. AM. FLORIST:—In reference to a paragraph in a late issue of AMERICAN FLORIST, concerning "bodock," a wood that never rots, I would say that the name is a corruption of bodark, which latter may be considered a legitimate vernacular contraction of bois d'arc or bow-wood, the name given by the French settlers of the southwest to the osage orange (Maclura aurantiaca) on account of the tough, hard wood being used by the Indians for making bows. Osage posts have the reputation of being as durable as yellow locust, but trees large enough for the purpose are always scarce, osage being generally seen in the form of a shrub or hedge plant. It grows to a good size if given room in rich soil and makes a handsome, round-headed tree. Bodark is a name commonly used throughout the territory represented by the Louisiana Purchase and is entirely allowable in place of the barbarous "bodock." W. VAN FLEET.

Piping a Range.

ED. AM. FLORIST:—I am planning to build two houses 18x100 and a lean-to 5x100, running south from the office and boiler shed, which is 20x43. The west wall of the rose house will be five feet high, and in this house 55° is required with 10° below zero outside. The carnation house will have no outside wall and here only 45° to 50° is required. Violets at 40° will be grown in the lean-to on the east side. In each of the eighteen-foot houses there is a wide center bench and two side benches. In heating with hot water will it do to put all the pipes, 2-inch wrought iron, under the side benches, say twelve in the rose house and eight in the carnation house, with two in the lean-to? Is is it more economical to use 4 inch cast iron pipe than 2 inch wrought iron? Will an expansion tank over the boiler and an air valve on the farther end of each coil be sufficient? H. K.

Ordinarily the cost of 4-inch cast iron pipe will be more than for 2-inch wrought iron, and there will be greater danger that it will leak at the joints. The rose house can be heated by means of eight 4-inch pipes or twelve 2-inch; in the carnation house six 4-inch, or nine 2-inch, will answer, and for the violet house two 4-inch or three 2-inch will be needed. For the 4-inch pipes it is well to have as many flows as returns, but one 2-inch flow will suffice for two 2-inch returns. If the flow pipes run down-hill, and the expansion tank is connected with the highest part of the system there will be no occasion for using air valves. With the flow pipes running up hill an air valve will be needed at the farther end of each coil or, better yet, run a ½-inch pipe from the highest part of each coil to a height greater than that of the expansion tank. All of the pipes may be under the side benches. L. R. TAFT.

Capacity of Flow.

ED. AM. FLORIST:—I have a house 20x100, even span, running north and south, boiler at the north end, the two overhead flows being 3-inch wrought iron pipe. Will these, carrying considerably more water than 3 inch tubing, supply eight 3 inch boiler flue pipes, four under each bench? G. H. P.

A 3-inch overhead flow pipe will handle 600 square feet of radiation, and, as there will be considerable less than this in the four 3 inch boiler flue pipes, there should be no difficulty about heating the house as proposed. L. R. T.

Forcing Rhubarb.

ED. AM. FLORIST:—I have two large mushroom pits where the crop is off and wish to plant some winter rhubarb in them. Do you think it would grow in these pits? How should I proceed? The temperature of the pits is from 40° to 50°. S.

The mushroom pits mentioned by your correspondent should prove ideal places in which to force rhubarb if the necessary heat can be given. A temperature of 40° to 50° is folly 15° too low, and if he cannot heat his pits to a higher figure, we would not recommend him to try rhubarb forcing. If by the use of additional fire heat, or fermenting material, a temperature of 55° to 65° can be maintained, "S" can produce good rhubarb. Roots not less than three years old should be used. Lift the roots carefully, standing them quite close together and throw a little fine loam over them, giving a watering to settle it, and water occasionally if the soil dries out. Like mushrooms, rhubarb is better forced in the dark. Of course roots placed in a temperature of 40° to 50° now, would come in ahead of outdoor stock, but would hardly prove a remunerative crop.

W. N. CRAIG.

Plan for Piping.

ED. AM. FLORIST:—We are building an office, cut flower room and workroom 14x20 feet, with three greenhouses to the west, first a propagating house 6x50 feet, then two houses each 20x50 feet. The boiler is in the basement under the workroom. How shall we pipe these houses, using 2-inch flows and 1-inch returns, of which we have a plenty? The lowest outside temperature is 25° below zero. Of course we wish the pipes laid so that they will not be in the way. We wish to use one house for roses and the other for carnations; what temperature will be required for each? Z. & S.

The temperature for roses and carnations depends upon the varieties grown, but for most roses 58° to 60° will give good results while 50° to 53° will answer for carnations. It is hardly advisable to use 1-inch pipe for hot water heating, but in 50-foot houses it will answer with overhead flow pipes and the top of the boiler well below the surface. For the rose house use three 2-inch flows and twenty-one 1-inch returns. In the carnation house three flows and fifteen returns will be needed. Place one flow on each plate and the other on the center posts. In the propagating house use one 2-inch flow, on either the plate or the back wall, and eight 1-inch returns under the bench. To reach the houses from the boiler run a 4-inch pipe directly south from the boiler just beneath the level of the walks. In the propagating house a

2-inch flow pipe could be taken off and the pipe could then enter the next house, where three pipes could be taken off and the main flow could be reduced to a 3-inch and then continue on into the last house, where the flow pipes could be supplied in the same manner as in the other houses. The returns should run to the west end of the house, where they should connect to the main return, which should be of the same size as the main flow pipe.

L. R. TAFT.

Boiler Capacity.

ED. AM. FLORIST:—I have a tubular boiler twelve feet long and three feet in diameter, containing twenty-six 3-inch flues. Please give the horse-power of the boiler and state whether it will heat a plant of 12,000 square feet of glass to 60° in zero weather, the house being eleven feet to the ridge, with 4-foot side walls. SUBSCRIBER.

A boiler like that described would be rated at about twenty horse-power. If 12,000 square feet represents the total amount of glass in the roof, sides and ends of the houses, about 2,500 square feet of radiating surface will be required for economy in coal consumption and attendance. When a boiler is fifty horse-power, or larger, it may be expected to handle 100 square feet of radiation for each horse power, but for smaller sizes the use of a smaller ratio is advisable, and for 2,500 feet of radiating surface it will be best to have a thirty horse-power boiler. Whether it will be better for "Subscriber" to attempt to use his present boiler, or purchase a larger one, is mainly a question of circumstance and climate. A boiler is desired for a temperature of zero. In many places where the mercury drops to zero it is but occasionally during the winter, while it is 20° or more above zero for most of the time. For 20° above zero the present boiler would answer, and if it is in good condition it might be better to give it a little more attention and fuel in zero weather, than to go to the expense of a new boiler.

L. R. TAFT.

OBITUARY.

GUSTAVE BROSE.

Gustave Brose, the senior member of the Brose-Fleur Seed and Plant Company, of Los Angeles, Cal., died February 4 of pneumonia. Mr. Brose was born in the Province of Hanover, Germany, forty-seven years ago. His father was a Lutheran minister and his only brother is in the same profession. Gustave Brose was highly educated and was an expert seedsman. For eleven years, from 1888 to 1899 he was in the employ of the Germain Fruit Company, as manager of the seed and plant department, where he gave entire satisfaction to his employers and made hosts of friends among his customers, and by his wide circle of acquaintances both in Europe and America, the business was very prosperous under his management. Mr. Brose resigned this position three years ago to engage in business with E. Fleur. The firm has worked up a very nice trade. All the time he could spare from the store was spent in his garden. He was very successful in hybridizing centaureas and introduced several improved varieties two years ago. Mr. Brose leaves a widow and two children, who, we believe, are his only relatives in this country.

D. R. W.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (six words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1902 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—By young man, German, age 28 single; 14 years' experience; cut flowers, palms, spring stock. Chicago preferred. Address GARDENER care American Florist.

SITUATION WANTED—As gardener on private place; Scotch, married, no family; 12 years' experience. Can furnish best of references. Address G S. care G. Condon, 14 Raven St., Dorchester, Mass.

SITUATION WANTED—To take charge; 12 years' experience; roses, carnations, plants. Good designer; single, age 28. References from best rose grower in the country. West preferred. Address WABAN, Gen'l Del., Woburn Mass.

SITUATION WANTED—As manager or foreman; roses, carnations, 'mums a specialty; have an exceptional knowledge of plants. Firm doing catalogue trade preferred. Address W E B, care Mrs. Williams, 427 E. 63rd St., New York City.

SITUATION WANTED—By a practical young man with 7 years' experience in the florist business; good grower and propagator, and capable of handling help. Best of references. Please state wages when writing. Address FLORIST, 417 Washington Ave. N., Lansing, Mich.

SITUATION WANTED—By a first-class grower of roses, American Beauty especially, carnations, 'mums and general forcing stock; also ferns and palms, except orchids; 40 years old; 26 years' experience; married, four children; 5 years as foreman for one of the leading florists in Washington, D. C. Like to take charge of good sized plant soon. Reason for change, is unhealthy climate. Best wages expected. Best references. Address J S S, Postoffice, Alexandria, Va.

WANTED—Young man for general greenhouse work. State wages wanted with board. COLE BROTHERS, Peoria, Ill.

WANTED—A first-class orchid, fern and palm grower. Address Box 985, Postoffice, Minneapolis, Minn.

WANTED—Two young men, 17 to 19 years of age, for greenhouse work. Apply at once or write, POEHLMANN BROS. COMPANY. Morton Grove, Cook Co., Ill.

WANTED—A single man to grow roses and carnations and to look after things in general at times. State wages with board and room. Address C, care American Florist.

WANTED—At once, an all-around florist, must be sober and a good worker. In answering state experience and wages expected. References required. Address E. J. BOLANZ, Akron, O.

WANTED—Practical gardener to take charge of private place; must be willing to work and understand lawns, flowers, shrubs and vegetables. References required. Address B. G. WORK, Akron, O.

WANTED AT ONCE—Young man for general greenhouse work; must be willing to work, and have experience. Good pay and steady place to the right man. References required. Address J. A. BISSINGER, Lansing, Mich.

WANTED—A good florist and gardener; must understand growing 'mums, roses and carnations. State wages. Married man preferred. Can furnish cottage or board. JNO CORBETT, Mt. Sterling Floral Co., Mt. Sterling, Ky.

WANTED—A good all-around florist, up in growing of roses, carnations, 'mums and general stock. Must have good references. German; single man preferred. Also a good gardener that understands growing vegetables, both in and outdoors. State wages. Address with references. KRUMM BROS., St. Joseph, Mo.

FOR SALE—Four small greenhouses with dwelling, in city of 30,000. For particulars, address T W R, care American Florist, Chicago.

FOR SALE OR RENT—Property splendidly located for florist business; near three large cemeteries. Address HENRY HAERTEL, 32 Grove St., River Forest, Ill.

FOR SALE—17,000 feet of glass, nearly new, splendid carnation and rose soil, 15 acres, house and barn, near city of 80,000, 28 miles from Philadelphia. Inquire of LEO. NIESSEN, 13th and Filbert Sts., Phila

FOR SALE—A bargain—Fine greenhouse property at Atglen, Pa., 47 miles from Philadelphia, on main line of Penna. R. R., containing about 8 acres; fine 12-room double dwelling, barn and 6 greenhouses, well stocked with carnations and violets. Price $6000. Address J. B. R. McCLURE & Co., 18 South 40th St., Philadelphia, Pa.

FOR SALE.

Established retail florist store in a city of 100,000 inhabitants. Inquire WM. KUNZ, 646 Newark Ave., Jersey City, N. J.

$300 Per Month.

Do you want it? If so, buy me out NOW, at your own price. Good reasons. 15,000 feet. It costs you a postal card to have particulars.

C. S. FITZSIMMONS, Lansing, Mich.

FOR SALE--A SNAP

Good reasons for selling. Write at once. A range of 8,000 ft. and in first-class condition, on outskirts of large city. Address or inquire of **C. F. RICE, 128 N. 6th St., MINNEAPOLIS, MINN.**

FOR SALE A Great BARGAIN

20 miles from Grand Central depot, N. Y. city, on line of New York & New Haven R. R., Florist Establishment consisting of 4 acres of rich land, dwelling house, 10 greenhouses, steam heated, boiler house, 3 steam boilers, pumps, all complete. Must be sold at once; easy terms. For further particulars address **Siebrecht & Son, 409 5th Ave., N. Y.**

FOR SALE OLD ESTABLISHED

FLORIST BUSINESS

4½ acres of ground, 9 greenhouses, several cold frames, 6-room house, barn, etc. 30 minutes from N. Y. city. Large cemetery opposite. Trolley cars pass place. 36 years in present location. Entire property and business, including large stock for spring trade. Call and inspect.

Mrs. C. M. Hutchinson, Elizabeth N. J.

BE it known to our patrons and friends that

FICK & FABER

have entirely removed to **San Mateo, Cal.** All communications should be sent to that place.

If you want to get the want you want to get, you want to get your want ad into the

AMERICAN FLORIST

Try it now.

Every advertisement represents a genuine want. It pays to answer them.

Pittsburg.

SEVERE WEATHER SURROUNDS FLOWER AND PLANT TRADE WITH DIFFICULTIES. —MANY NEW PRIVATE GREENHOUSES.

Two cold waves in succession, with the thermometer registering zero, is what Pittsburgers have had to contend with the past two weeks, and several of the small growers had difficulty in keeping the frost out of the houses, as was also the case with some of the private conservatories where gas is used. The enormous quantity consumed in dwellings made the supply weak. Retailers report a fair business for last week, azaleas, narcissi, Romans and lily of the valley being plentiful, with a medium supply of Harrisii. Randolph & McClements had some good decorations, also several orders for funeral work.

George W. Oliver, the publisher, has just completed a large greenhouse for general stock, built by a local firm but heated by Hitchings. Mr. Oliver's brother, at Sewickly, is also building a range of houses. Lord & Burnham have the contract.

Mr. Lincoln, of Amberson avenue, is having an addition put to his houses, one a growing house and a lean-to for propagating. Hitchings has the contract for the heating. When finished this will make a pretty and complete range.

Mr. Park's conservatory is near completion. In the center of the palm house is a raised electric fountain, the first of its kind put up in Pittsburg.

A. Wood, of McKeesport, is closing his conservatories and his plant collection is for sale. D. D.

Lincoln, Neb.

Since last report we have had very bad weather, the past three weeks being very cold, not warming up enough on many days to clear the glass of ice. Notwithstanding this there has been a good supply of stock and demand enough to use it all up; in fact, some days we had to go through the houses and pick odds and ends for funeral work, of which there has been much. Primula obconica, cyclamens and freesias are liked by customers in made up work. Every one is happy, with no complaints except to the coal man. C. H. F.

LOOMIS, CAL.—The Loomis Floral Company is not successor to the Mitting Floral Company, but a new and separate concern.

CHOICE
LILY of the VALLEY
in large quantities, the finest that is grown, $4 and $5 per 100.
JOHN WOLF, SAVANNAH, GA.

RICE BROTHERS
Wholesale Florists and Supplies.
Receivers and Shippers of Fresh Cut Flowers.
Consignments Solicited.
128 N. Sixth St., Minneapolis, Minn.

...GEO. M. KELLOGG...
Largest Grower of Cut Flowers in the West.
Give us an order and we will please you.
Our Greenhouses at PLEASANT HILL, MO.
Our Store, 906 Grand Ave., KANSAS CITY, MO.
LONG DISTANCE 'PHONE AT EITHER PLACE.

CATTLEYAS $6.00 per Dozen.

Roses, Beauty, extra long stems	$4.00
" " 24 to 30-in. long stems	3.00
" " 20 " "	2.50
" " 15 " "	2.00
" " Short "	1.00
" Bride, Bridesmaids	6.00@ 8.00
" Meteor	6.00@ 8.00
" Golden Gate	5.00@ 8.00
Carnations	1.00@ 2.00
" fancy	2.00@ 3.00
Violets, double	1.00
" single	.50@ .75
Lily of the valley	2.00@ 4.00
Adiantum	.75@ 1.25
Common Ferns per 1000, $1.50	.25
Smilax per dozen, $1.50	
Asparagus per dozen, 7.50@10.00	
Narcissus	2.00@ 3.00
Roman Hyacinths	2.00@ 3.00
Lil. Harrisii	15.00@20.00
Callas	12.50@15.00
Tulips, all kinds	3.00@ 4.00
Tulips, Murillo, fancy	5.00@ 6.00

Galax Leaves.
Green or Bronze, 15c per 100; $1.00 per 1000.

Leucothoe Sprays.
75c per 100.

Wild Smilax.
QUALITY COUNTS—No. 1, 15 lbs., $2.50; No. 2, 20 lbs., $3.25; No. 3, 25 lbs., $3.50; No. 4, 35 lbs., $4; No. 5, 40 lbs., $5; No. 6, 50 lbs., $6.
We are the Northern Representatives of CALDWELL THE WOODSMAN CO.

J. B. DEAMUD, WHOLESALE CUT FLOWERS 51 Wabash Ave., CHICAGO.

Wholesale Flower Markets

MILWAUKEE, Feb. 13.

Roses, Beauty, long, per doz.	3.00@ 5.00
" " med. "	1.50@ 2.00
" " short "	.50@ 1.00
" Liberty	6.00@10.00
" Bride, Bridesmaid	6.00@ 8.00
" Meteor	6.00@ 8.00
" Golden Gate	6.00@ 8.00
" Perle	5.00@ 8.00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00@ 3.00
Violets	.75@ 1.00
Lily of the valley	4.00
Adiantum	.75@ 1.00
Smilax	18.00@20.00
Asparagus	65.00
Common ferns	.25

PITTSBURG, Feb. 13.

Roses, Beauty, specials	40.00@50.00
" " extras	25.00@35.00
" " No. 1	10.00@20.00
" " No. 2	3.00@ 6.00
" Bride, Bridesmaid	3.00@12.00
" Meteor	6.00@12.00
Carnations, ordinary	1.00@ 2.00
" fancy	3.00@ 5.00
Lilac per bunch, 1.00@2.00	
Lily of the valley	2.00@ 4.00
Violets	.30@ 1.50
Harrisii lilies	10.00@20.00
Romans	1.00@ 3.00
Paper Whites	2.00@ 3.00
Tulips	2.00@ 4.00
Smilax	8.00@12.50
Adiantum	1.00@ 1.50
Asparagus	50.00@75.00
" Sprengeri	2.00@ 4.00

CINCINNATI, Feb. 13.

Roses, Beauty	25.00@50.00
" Bride	6.00@ 8.00
" Bridesmaid	6.00@ 8.00
" Meteor	6.00@ 8.00
" Perle	4.00@ 6.00
Carnations	2.00@ 5.00
Violets	2.00@ 3.00
Harrisii lilies	15.00
Lily of the valley	4.00@ 5.00
Romans	3.00@ 4.00
Paper Whites	3.00@ 4.00
Asparagus	50.00
Smilax	15.00
Adiantum cuneatum	1.00
Galax leaves	.15
Common ferns	.20

ST. LOUIS, Feb. 13

Roses, Beauty, short stem	8.00@15.00
" " long stems	20.00@50.00
" Bride, Bridesmaid	6.00@10.00
" Meteor	4.00@ 8.00
" Golden Gate	6.00@10.00
Carnations, ordinary	1.50@ 2.00
" choice	2.50@ 4.00
Violets	.75@ 1.00
Sweet peas	.50@ 1.00
Callas	10.00@15.00
Lily of the valley	3.00@ 4.00
Romans	2.00@ 3.00
Narcissi	2.50@ 3.00
Tulips	3.00@ 4.00
Smilax	10.00@15.00
Asparagus Sprengeri	1.00@ 1.50
" Plumosus	1.00@ 1.50
Galax	.15

Frank M. Ellis,
WHOLESALE FLORIST,
1316 Pine Street, ST. LOUIS, MO.
CONSIGNMENTS SOLICITED.

H. G. BERNING
Wholesale Florist
1322 Pine St., ST. LOUIS, MO.

C. A. KUEHN,
Wholesale Florist,
1122 PINE STREET,
ST. LOUIS, MO.
A complete line of Wire Designs.

Pittsburg Cut Flower Co. Ltd
WHOLESALE FLORISTS.
Pittsburg, Pa.

The Cincinnati Cut Flower Co.,
416 Walnut St., CINCINNATI, O.
WHOLESALE FLORISTS.
Consignments Solicited.
Special Attention Given to Shipping Orders.

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Cut Flower Exchange,
WM. DILGER, Manager.
WHOLESALE COMMISSION.
Full line of Florists' Supplies and Decorations.
Special attention to shipping orders.
26 Miami Avenue, DETROIT, MICH.

Desirable Advertising Space
....To Rent on the walls of the
BOSTON FLOWER MARKET
Effective. Profitable. Address
GEO. CARTWRIGHT, Secretary, 1 Park St., BOSTON.

ON FRIDAY, February 7, the building next door was destroyed by fire and the accumulation of water in our store put us out of business for a couple of days, except for counter room kindly placed at our disposal by C. M. Dickinson, manager for E. H. Hunt's. We beg the indulgence of those who may have been inconvenienced by our mishap and assure everyone that we are now in the best possible shape to handle all orders. With increased supplies of Roses, we are able to announce a reduction in prices all along the line and ask orders upon the assurance that stock is of excellent quality throughout.

E. C. Amling

The Largest, Best Equipped and Most Centrally Located Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St. CHICAGO.

L. D. PHONES 1999 AND 1977.

PRICE LIST.

BEAUTIES.		
Stems, 36 inches, per doz.,		$5.00
" 30 " "		4.00
" 24 " "		3 00
" 20 " "		2.00
" 15 " "		1.50
" 12 " "		1 00
" 6 to 8 in. per 100,	$6.00	8 00
Brides..... "	5.00	8 00
Maids..... "	4.00	8 00
Meteors ..... "	3.00	6 00
Golden Gate..... "	4.00	8 00
Carnations... ..... "	1.00	1.50
" large and fancies "	2.00	3 00
Mignonette .....per doz.,	.35	.50
Violets, double.....per 100,	.75	1.25
" single..... "	.60	.75
Valley, select..... "	2.00	3.00
Callas.....per doz.,	1.25	1.50
Romans.....per 100,	2.00	3 00
Tulips..... "	3.00	4.00
Paper Whites..... "	2.00	3 00
Freesias..... "	2.00	3.00
Asparagus plumosus, per stg,	.50	.60
" Sprengeri, per 100,	3 00	4.00
Ferns, per 1000, $2.00; "		.25
Galax, " 1.00; "		.15
Leucothoe sprays.... "		.75
Adiantum..... "	$1.00	1.50
Smilax.....per doz.,	1 25	1.50

Prices subject to change without notice

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

A. L. RANDALL,

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Send for weekly price list and special quotations on 1000 lots.

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WHOLESALE.....

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THE "OLD RELIABLE,"

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CHICAGO'S RELIABLE Wholesale Growers and Shippers of CUT FLOWERS, 59 Wabash Ave., Chicago.

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GREENHOUSES: HINSDALE, ILL.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florists

31-35 Randolph St., CHICAGO.

Consignments solicited.....

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SPECIAL ATTENTION GIVEN TO HARDY CUT **FERNS**

55-57 WABASH AVENUE, CHICAGO.

Telephone Central 3284.

Wholesale Flower Markets

CHICAGO, Feb. 14.

Roses, Beauty,	36-inch stems	5.00
" "	30 " "	4.00
" "	24 " "	3.00
" "	20 " "	2 00
" "	15 " "	1.50
" "	12 " "	1.00
	6 to 8 " "per 100	6.00@8.00
Bride, Bridesmaid.....		4.00@ 8.00
" Meteor.....		3.00@ 6.00
" Perle.....		3 00@ 6.00
" Golden Gate.....		4.00@ 8.00
Carnations		1.00@ 3.00
Violets.....		.75@ 1.25
Lily of the valley.....		2.00@ 3.00
Callas, per doz.....1.25@1.50		
Tulips.....		3.00@ 4.00
Romans, Paper Whites.....		2.00@ 3.00
Adiantum.....		1 00@ 1 50
Common ferns.....per 1,000 $2 00		.25
Galax leaves, per 1000.....$1.00		.15
Smilax.....per dozen 1.25@ 1.50		

For EASTER Forcing

Fine, select LILY OF THE VALLEY PIPS, $1.50 per 100; $12.50 per 1000; $30 per case of 2500.

FANCY CUT VALLEY always on hand at market price.

H. N. BRUNS,

1409-1411 W. Madison Street, CHICAGO, ILL.

Please mention the American Florist when writing.

GEO. REINBERG,

Wholesale Grower of *Cut Flowers*

Choice American Beauties.

We will take care of your orders at reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.

Headquarters for American Beauty.

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JOHN MUNO,

Wholesale Grower and Shipper of **Cut Flowers**

Room 221, 51 Wabash Ave., CHICAGO.

TELEPHONE CENTRAL 3598. All telegraph and telephone orders given prompt attention.

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Wholesale Growers of and Dealers in **Cut Flowers**

All telegraph and telephone orders given prompt attention.

GREENHOUSES: Morton Grove, Ill.

35-37 Randolph Street, CHICAGO, ILL.

Mention the American Florist when writing to advertisers on this page.

Choice CATTLEYAS

at 50 cents.

SAMUEL S. PENNOCK,
Wholesale Florist,
1612-18 LUDLOW ST., PHILADELPHIA, PA.

GEO. A. SUTHERLAND,
34 Hawley St., BOSTON.
Telephone 1270 Main.
BEST BOSTON FLOWERS. All Supplies.
An entire floor Devoted to Stock and Manufacturing. Distributing Agent for United States for the wonderful

"Koral" LETTER, unequalled for design work. Script, any color, 3½c a letter. Block letters, 1½c each. The most elaborate design work to order in a few minutes.

GENERAL AGENTS:
H. BAYERSDORFER & CO., Philadelphia.
REED & KELLER, New York City.

SPECIALTIES THIS WEEK:
Special American Beauty,
CARNATIONS,
Lily of the Valley, Violets.

CITY HALL CUT FLOWER MARKET
WELCH BROS., PROPS.
9 CHAPMAN PLACE,
15 PROVINCE STREET,
Boston, Mass.

The best market for Growers who can ship good Cut Flower stock.

J. K. ALLEN,
106 West 28th Street,
Telephone 167 Madison Sq. NEW YORK CITY.

N. F. McCARTHY & CO.
84 Hawley St., BOSTON,
ARE RECEIVING ELEGANT ROSES
ALL VARIETIES.
DON'T YOU WANT SOME?
Tel. 734 and 64 Main.

Geo. M. Moss,
WHOLESALE FLORIST,
32 South 17th Street, PHILADELPHIA, PA.
Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.

Wholesale Flower Markets

BOSTON, Feb. 12.

Roses, Beauty, extra	35.00@60.00
" " medium	12.00@20.00
" " culls	6.00@ 8.00
" Bride, Bridesmaid, Meteor.	4.00@ 6.00
" extra	8.00@10.00
Carnations	1 50@ 2 00
" fancy	3.00@ 4 00
Lily of the valley	2.00@ 3.00
Violets	.30@ .60
Harrisii lilies	8 00@12.50
Freesia	1.00@ 1.50
Narcissus Paper White	1.00@ 1 50
" Yellow	2.00@ 4.00
Roman hyacinths	.75@ 1.50
Tulips	2 00@ 3.00
Callas	8.00@10.00
Adiantum	.50@ 1.00
Smilax	10.00@12.00

PHILADELPHIA, Feb. 12.

Roses, Tea	5.00@ 8.00
" " extra	10.00@12.00
" Beauty, extra	50.00@65.00
" " firsts	30.00@40.00
" Queen of Edgely, extra	75.00
" " " firsts	25 00
Carnations	1.00@ 3.00
Lily of the valley	4.00@ 5.00
Asparagus	25.00@50.00
Smilax	12.50@15.00

BUFFALO, Feb. 13.

Roses, Beauty	7.00@35.00
" Bride, Bridesmaid, Meteor	6.00@15.00
Carnations	1.50@ 4 00
Violets	.50@ 1.00
Lily of the valley	3.00@ 4.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.50

Give Us a Trial. We Can Please You.

Roses, Carnations and all kinds of Seasonable Flowers in stock.
WM. F. KASTING, Wholesale Commission Florist,
481 Washington St., Buffalo, N. Y.
Dealer in Florists' Supplies and Wire Designs.
Open Day and Night.

Marketing
For Flowers is a pleasure if done at the headquarters of the
The New York Cut Flower Company

Here is the choicest stock of the most eminent growers, fresh every morning and in full variety.
Goods selected and shipped to any part of the country.
Always room for growers looking for an outlet for good cut flower stock.

DAILY REPORTS. WEEKLY PAYMENTS.

SALESROOMS { 55 & 57 West 26th St., NEW YORK CITY.
TELEPHONES: 2239 Madison Sq. 2034 Madison Sq.
J. A. MILLANG, MANAGER.

Cut Harrisii Lilies.
I am growing the largest batch of lilies in New England. Have over 50,000 Harrisii besides plenty of Japans for Easter. Can supply blooms all the time from now till spring. Can fill orders for any quantityat an hour's notice.
H. N. EATON,
'Phone Connection. SO. SUDBURY, MASS.

EUGENE BERNHEIMER
Wholesale Florist,
Phone 14269 A. 1604 Ludlow St., Philadelphia.
CONSIGNMENTS OF ROSES SOLICITED.

YOUNG & NUGENT
42 West 28th Street, NEW YORK.
Telephone 2065 Madison Sq uare
Wholesale Florists.
PRICE LIST TO APPLICANTS
Are shipping the finest in the New York market Roses, Carnations, Valley, Orchids, Novelties.

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS, LIBERTIES.
Lily of the Valley.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

GEORGE SALTFORD,
WHOLESALE DEALER AND SPECIALIST IN VIOLETS
50 West 29th St., NEW YORK.
Consignments solicited from good growers of VIOLETS.
Shipping orders attended to promptly.
Telephone 2230 Madison Square.

Walter F. Sheridan,
Wholesale Florist,
Telephone 902 Madison Square.
39 West 28th St., NEW YORK.

Telephone Nos. 2239 and 2034 Madison Square.
MOORE, HENTZ & NASH
Wholesale Commission Florists,
55 and 57 West 26th St., NEW YORK CITY.
Adjoining New York Cut Flower Co. salesroom.
Finest Salesroom in the Trade. Inspection Invited.
All business, selling or shipping, strictly commission.

WHOLESALE WILLIAM GHORMLEY, COMMISSION
RECEIVER AND SHIPPER OF FRESH CUT FLOWERS. DAILY STOCK OF ALL THE CHOICEST VARIETIES FROM BEST GROWERS WHO SHIP TO NEW YORK.
ORCHIDS, ROSES, CARNATIONS, VALLEY.
Largest receiver of VIOLETS in America
Telephone 2200 Madison Square, 57 WEST 28th STREET, NEW YORK CITY.

JOHN YOUNG
Special American Beauties,
Surpassing Carnations, Violets,
Lily of the Valley, Orchids,
and all Seasonable Flowers.
51 West 28th St., NEW YORK.
Tel. 1905 Madison Sq.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations
GROWERS and BUYERS make a note of this. It will be to your advantage.
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30 West 29th St., New York.
Telephone 551 Madison Square.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange, NEW YORK.
Telephone 299 Madison Square.

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JOHN J. PERKINS,
COMMISSION FLORIST,
Solicits Consignments or Shipping Orders. Satisfaction given in both.
Write for Terms. 115 West 30th St., New York.

POPULAR WITH THE TRADE.
Therefore a profitable place to send your Flowers.
M. A. HART'S,
48 West 30th St., New York City.
Telephone 325 Madison Square.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
38 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

NEW YORK, Feb. 12

Roses, Beauty, select	40.00@60.00
" " medium	10.00@30.00
" " culls	1.00@ 3.00
" Bridesmaid, Bride, Meteor	2.00@ 6.00
" " " extra	8.00@12.00
" Liberty	2.00@ 5.00
" Liberty special	8.00@20.00
Carnations	1.50@ 2.50
Carnations, specialties	4.00@ 5.00
Violets	.30@ .75
Lily of the valley	1.50@ 3.00
Roman hyacinths	.75@ 1.00
Paper White narcissi, Freesia	1.00@ 1.50
Yellow narcissi	1.50@ 3.00
Callas	10.00
Sweet Peas	1.00
Tulips, single	2.00@ 3.00
" double	3.00@ 4.00
Lilac, per bunch	1.00
Harrisii lilies	10.00@15.00
Cattleyas	10.00@40.00
Mignonette	2.00@ 6.00
Smilax	10.00@12.00
Asparagus	25.00@50.00
" Sprengeri, per doz. bun.	2.00@3.00
Adiantum	.75@1.00

CHAS. MILLANG,
50 W. 29th St.,
NEW YORK.

FORD BROS.
Receivers and Shippers of
FRESH FLOWERS.
Best Violets in New York market.
111 WEST 30TH ST., NEW YORK.
Telephone 157 Madison Square.

Julius Lang
53 West 30th Street, NEW YORK.
REPRESENTS THE BEST GROWERS OF
ROSES, CARNATIONS, VALLEY.
TELEPHONE 280 MADISON SQUARE.

ALEX. J. GUTTMAN,
Wholesale Commission Florist,
A full supply daily of the choicest New York and New Jersey
FLOWERS.
52 W. 29th Street, NEW YORK CITY.
Telephone 1738 Madison Square.

LIMPRECHT FLORIST SUPPLY COMPANY,
WHOLESALE Commission FLORISTS
and FLORISTS' SUPPLIES.
Also all kinds of Greens for Decorations.
119 West 30th Street, NEW YORK.
Telephone 1438 Madison Square.
Consignments Solicited.

A. H. LANGJAHR,
Wholesale Commission Florist,
BEST FLOWERS SHIPPED AT LOWEST NEW YORK PRICES.
19 Boerum Place, Brooklyn, N. Y.
TELEPHONE 939 MAIN.

Now in Season:
FREESIAS,
DAFFODILS,
TULIPS,
LILAC.
SWEET PEAS and ACACIA.

EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Square, ...NEW YORK.
CUT FLOWERS AT WHOLESALE.

All Roses, Violets

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

J. E. NORTHRUP, Pres.; S. F. LEONARD, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

Twentieth annual convention, Twin Cities, Minn., June, 1902.

VISITING NEW YORK: D. M. Ferry, Detroit.

FRED BATCHELER, of Utica, N. Y., died February 5.

AN inch and a half of rain has fallen in Southern California.

VISITED ST. LOUIS: Fred. H. Hunter, of the Cox Seed Co., San Francisco.

Wm. F. DREER, of Philadelphia is spending the winter at Pasadena, Cal.

THE widow of George S. Haskell, pioneer seedsman of Rockford, Ill., died in Europe last October.

W. B. HAYT, formerly with the Cleveland Seed Company, is now with the Jerome B. Rice Seed Company.

W. ATLEE BURPEE is the first name on the new list of directors of the Association of American Advertisers.

ONION set prices are easier, yellows $1.40 to $1 50, whites and reds $1.75 to $1.85 per bushel in good sized lots.

ALEX. RODGERS, of Chicago, has the sympathy of the trade in the loss of his wife. Her death occurred last week. She had been in the hospital for some weeks.

THE Israel Seeded String Co., of Wichita, Kans , is placing on the market a seed planting device in which seeds are wrapped in a long string of tissue paper for planting in the home garden.

VISITED CHICAGO: Wm. Ewing, Montreal, Can.; D. I. Bushnell, St. Louis; Herbert A. Clark, Milford, Conn., Frank C. Woodbury, Orange, Conn., en route to the canners' convention at Milwaukee.

DUTCH bulb prices, compared with last year, are reported as likely to run as follows: Hyacinths cheaper; Von Sion narcissi about the same, others lower; tulips, forcing sorts, ten to fifteen per cent higher, red highest.

QUITE a number of seedsmen have attended the meeting of the Canners' Association at Milwaukee this week. W. R. Roach, representing Jerome B. Rice & Co., of Cambridge, N. Y., was a prominent figure in the affairs of the meeting.

THE executive committee of the American Seed Trade Association will meet in Chicago to-day (Saturday), Albert McCullough, chairman, W. S. Gilbreath, Chicago; S. F. Willard, Wethersfield, Conn.; Mel. L. Webster, Indepeudence, Ia.; H. W. Johnson, Philadelphia; M. S. Griffith, Baltimore.

Philadelphia.

ASH WEDNESDAY COMES AFTER A WEEK OF UNUSUAL ACTIVITY.—SPLENDID STOCK IN MOST LINES —LIBERTISS ARE HARD TO GET.—BULBOUS STOCK VERY PLENTIFUL.—GREENS TAKEN AT SIGHT.—MANY BLOOMING PLANTS.

The season has wound up with a sort of a rush, there having been a good demand for all kinds of flowers and a particular scramble for Beauties. A great many social functions were crowded into the week before Lent, but with a little pushing they were all handled in a creditable manner, at least as far as the floral part was concerned. Everything seems now to be at its best, Bridesmaids and Brides being particularly fine. Seldom have we seen better Bridesmaids than the extras or double extras, as they are called, that are now to be seen in some of the stores. There are some fine Liberties, but the Scott greenhouses are a bit shy just now, as it is grafting time with them and the buds have to suffer, or rather the fellows who want them must, so that next year's supply may be obtained. Carnations are also at their finest, all the principal kinds being in good supply and of a grade that a few years ago would have been prize winners at the shows. Violets seem to move fairly well, although the supply is quite large. Lily of the valley is crowding in pretty fast and some of it gets a little soft, or at least the price does, before it is moved. Boulbous stock is, or has been, a little too plentiful, tulips and narcissi being sent in the last week as if there was no future for them. Some good freesias have been seen and have met with a ready sale. There has been a great scarcity of greens. It seems as if there are always enough buyers about the commission houses to use up a box of green as soon as it is opened. Adiantum is particularly scarce. With such a demand as has been shown this winter growers should certainly plant more of this stock. Perhaps Brother Elliott, of Boston, might be persuaded to open a branch here. He would find no market here to send it to and would have to carry it around from store to store, in the slow old Philadelphia way, just as he did when he was here some twenty years ago.

Great quantities of blooming plants are now coming in and all in first-class shape. Harris has rhododendrons flowered very well, also genistas and azaleas. All bulbous stock is also sent in pans and these, with Primula obconica and cinerarias about make up the assortment.

Daniel Long, with his plant ulsters, was in town last week. These quick coverings look like a very good thing and should be given a trial, at least, by all decorators.

Myers & Samtman are about to erect a large addition to their plant, which will increase its capacity about fifty per cent.

K.

Minneapolis.

TRADE NOT ACTIVE BUT ROSES MUCH SHORT OF THE DEMAND.—VIOLETS ALSO SHORTENING UP.

Trade has been rather quiet the last seven days, except for a few decorations and funerals, the call being mostly for light colored flowers. There is an unprecedented scarcity of tea roses and it seems impossible to secure them, while carnations are in ample supply. Romans, daffodils and tulips are plentiful, with a fair demand. Violets have shortened up and the present outlook is for a shortage for Valentine's day, which causes much demand for them.

C. F. R.

Special Offer Sweet Peas

25 LARGE-FLOWERING VARIETIES AT 30c. PER POUND.

(By mail 8 cents per pound additional.)

America, cardinal and white.
Black Knight, deep maroon.
Blushing Beauty, pink.
Bride, pure white.
Coquette, yellow and lavender.
Countess of Radnor, lavender.
Dorothy Tennant, rosy mauve.
Duke of Sutherland, maroon.
Golden Gate, lavender.
Emily Henderson, white.
Extra Early Blanche Ferry, rose and white.
Johnson & Stokes' Giant Mixed.
Katherine Tracy, pink.
Lady Mary Currie, pink and lilac.
Lady Nina Balfour, mauve.
Mars, crimson and scarlet.
Oriental, orange salmon.
Primrose, primrose yellow.
Prince of Wales, light pink.
Prince Edward of York, scarlet.
Queen Victoria, primrose and purple.
Royal Robe, pink.
Salopian, scarlet.
Sensation, white.
Stella Morse, primrose and pink.

JOHNSON & STOKES, 217-219 Market St., Philadelphia, Pa.

Pearl or Cat-Tail

MILLET SEED

Large quantity of choice new crop seed just received. Prices quoted on request.

We can also supply **TEOSINTE, BEGGAR WEED, JAPAN CLOVER, BERMUDA GRASS SEED,** and all other Southern Specialties to best advantage. Write for prices, stating quantities desired.

T. W. WOOD & SONS

SEEDSMEN, RICHMOND, VA.

SWEET PEAS

FRESH STOCK, 1902.

	Oz.	Lb.
Blanche Burpee, pure white	.5	.30
Blanche Ferry, pink and white	.5	.25
Lady G Hamilton, azure blue	.5	.40
Salopian, brilliant scarlet	.5	.25
Mont Blanc	.20	1.50
Earliest of All	.5	.40
Lovely	.5	.30
McCullough's Premier Mixed	.5	.35

MUSHROOM SPAWN, English Mill track, fresh stock, $7 per 100 lbs.

CUT FLOWERS AT WHOLESALE.

J. M. McCULLOUGH'S SONS

316 & 318 Walnut St., Cincinnati, O.

SWEET PEAS

ESTABLISHED 1802

THORBURN'S SEEDS

have been the standard of excellence for a hundred years, and were awarded the **GOLD MEDAL** both at the Paris Exposition of 1900 and Pan-American 1901. Our Wholesale Price List of Flower Seeds, etc., for Florists, will be mailed on application, and our Trade Price List of Vegetable and Flower Seeds to seed dealers.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

TELEGRAPH CODE

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Everything For Florists.

CUT FLOWERS, SUPPLIES, SEEDS, BULBS AND ALL REQUISITES.

Just Received, fine lot of JAPANESE FERN BALLS, $3.50 per doz. $25 per 100.

Send for Complete Catalogue.

McKELLAR & WINTERSON

45-47-49 Wabash Ave. CHICAGO. Telephone Main 1129.

SEED POTATOES.

A1. Sutton's.
Ash-leaf, Sharpe's Selected.
Ash-leaf, Myatt's.
Ash-leaf, Rivers' Royal
Ash-leaf, Veitch's.
Abundance.
Aurora.
Beauty of Hebron, Pink.
Beauty of Hebron, White.
British Lion.
Bruce.
Burmah Beauty
British Queen.
Boston Q. Q.
Champion.
Cigarette.
Conquest.
Challenge.
Colossal.
Drone.
Devonian.
Duke of Albany, Sharpe's.
Duke of York.
Duchess of Teck Sharpe's.
Denbigh Castle, Sharpe's
Eightyfold.
Early Rose.
Early Peter, Sharpe's.
Elberon.
Empress Queen.
Express, Sharpe's.
Flourball, or Snowball.
Farmer's Glory.
Future Fame.
Garton.
Goldfinder.
Good Hope.
Hammersmith Early.
Harbinger, Sutton's.
Her Majesty.
Ideal, Sutton's.
Imperator.
Jeanie Deans.
Klondyke.
Lady Fife.
Main Crop.
Magnum Bonum.
Ninetyfold, Sutton's.
Omega, Sharpe's.
Paragon, Sharpe's.
Perfection, Sutton's.
Puritan.
Regent.
Ringleader.
Ruby Queen.
Reading Hero.
Reading Giant.
Reading Russet.
Redskin Flourball.
Schoolmaster.
Sandringham Kidney.
Satisfaction
Sir John Llewellyn.
Snowflake.
Snowdrop.
Snowdrift.
Saxonia
Sirdar.
Sleaford Hero, Sharpe's.
Supreme, Sutton's.
Triumph, Sutton's.
Up-to-Date.
Victoria, Paterson's.
Victor, Sharpe's (Yel'w Flesh)
White Elephant.
Windsor Castle.
York Regent.
Etc., Etc., Etc., Etc.

QUOTATIONS TO THE TRADE ON APPLICATION.

CHARLES SHARPE & CO., LTD., SLEAFORD, ENGLAND.

American Beauties. Carnations. Valley.

HIGH GRADE FLOWERS OF ALL KINDS.

LEO. NIESSEN, Wholesale Florist, N. W. Cor. Filbert & 13th St., Philadelphia.

COMMISSIONS CARRIED OUT IN LONDON

or any part of Great Britain.

Messrs. WILLS & SEGAR will attend to any commission from American florists for the supply of Cut Flowers, Birthday Flowers, Bouquets, High Class Floral Designs, etc., to their clients who may be traveling in England.

WILLS & SEGAR, Court Florists to His Majesty, The King.
ROYAL EXOTIC NURSERY.
TELEGRAMS, FLOSCULO LONDON. Onslow Crescent, South Kensington, LONDON, ENGLAND.

BURPEE'S SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners.

.....If your.....

Business Methods

are right you can make a profit on an advertisement here

IMPORT FREIGHT AGENTS DELAWARE, LACKAWANNA AND WESTERN RAILROAD CO., AT NEW YORK, N. Y.

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Agents and Correspondents Throughout the World.

RAFFIA NATURAL COLORED.

VAUGHAN'S SEED STORE, CHICAGO and NEW YORK.

GERANIUMS IN BUD and BLOOM

Now ready, the best varieties in red and scarlet (mostly John Doyle). Double and single mixed, in 3-in. pots, need shifting, 50 per cent in bud and bloom, flowers strong and brilliant, foliage nicely zoned, $5 per 100; quantities, more or less, same rates. These are fine plants, clean, healthy and strong, grown in a sunny house built for geraniums. G. P. MOORE, OCEAN CITY, N. J.

H. ZIJP & CO.

Bulb Growers and Nurserymen,
UITGEEST, HOLLAND,

Beg to announce the arrival in the United States of their representative, Mr. JOHN H. BOEKMANN.

We at the same time take this opportunity to inform our friends in the United States and Canada that in order to meet the demand of our increasing trade we moved from Uitgeest to Lisse, near Haarlem, where we are able to carry on the business on a more extensive scale.

Please address all correspondence until May 15th, care of Messrs. KNAUTH, NACHOD & KUHNE, 13 William Street, New York City.

Francis Brill,

SPECIALIST IN

Cabbage AND Cauliflower Seed

HEMPSTEAD, Long Island, N. Y.

GOLD MEDAL GLADIOLI

Groff's Hybrid Gladioli Received the Gold Medal and Thirteen First Awards at the Pan-American Exposition. I have the Latest and only Complete Collection of GROFF'S HYBRIDS in the United States, and control over Seventy-five per cent. of all Stock Grown and Introduced by Mr. Groff. Write for catalogue.

ARTHUR COWEE, GLADIOLUS SPECIALIST, MEADOWVALE FARM, BERLIN, N. Y.

Please mention the American Florist when writing.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

R. C. BERCKMANS, Pres.; R. J. COE, Vice-Pres. GEORGE C. SEAGER, Rochester, N. Y., Sec'y.
Twenty-seventh annual convention, Milwaukee, Wis., June, 1902.

THERE seems to be no let-up to the demand for ornamental nursery stock.

IN the west there are likely to be more apple trees than anything else planted this spring.

THE Greening brothers, at Monroe, Mich., have incorporated their nursery business with a capital of $100,000.

SEYMOUR NELSON, of Swain Nelson & Son, Chicago, has drawn the plans for the improvement of Greenwood and Union Parks, at Des Moines, Ia.

NEW YORK has 237 nurseries, California is credited 141 in the U. S census report, and Ohio 147. Illinois has 126, Missouri 116 and Iowa 104. No other state is credited with as many as 100.

News of the Parks.

It is proposed to enlarge River View Park in the old Hudson city section of Jersey City, N. J., and for this purpose to secure authority to issue $100,000 of bonds.

A plan is on foot to add another small park reservation within the city limits of Lynn, Mass., by acquiring a triangular shaped piece of land located in the old section of East Lynn. The cost is estimated at $30,000.

Superintendent Seybold, of the Eastern Park District of Baltimore, has over 65,000 square feet of ground in flower beds, of which there are 316 in all, requiring 51,000 flowering bulbs and 18,500 pansies and daisies for the early spring display.

Harrisburg, Pa., citizens are thoroughly awakened to the neccessity for more public breathing places of convenient access in the city. Reservoir Park is too remote from the center of population to afford the needed relief to the dwellers in the thickly settled districts, whose resources are not equal to frequent trolley or carriage rides.

The Mayor and City Council of Baltimore, Md., through its park commissioners, have purchased Gwynn's Falls in West Baltimore, also additional tracts in the city proper and South Baltimore, for park purposes and playgrounds, and it is expected that congress will permit the acquisition of old Fort McHenry in the harbor for a public recreation ground.

The park commissioners of the City of Worcester, Mass., in their annual report, recommend the acquirement of sundry parcels of land for park extension and playgrounds, the cost to be defrayed from a special park loan. They also advise that in the near future the care and supervision of the shade trees on the public streets be transferred from the park commission to the control of a forestry department.

The legislature of Massachusetts has been asked for an appropriation of $50,000 for the acquirement of further land for the great mountain park at the summit of Greylock mountain in the western part of the state. This giant peak, the highest elevation in Massachusetts, is situated in the towns of Adams, North Adams, Pittsfield and Williamstown, and is heavily timbered. A 40 foot tower has been erected at the summit, from which is visible to the north the Bennington monument in Vermont, also objects in New Hampshire, and to the south portions of Connecticut and New York state.

Baltimore.

SOCIETY LADIES WILL JUDGE CARNATION EXHIBITS.—GOOD THINGS SEEN IN THE PRIVATE GREENHOUSES.—MOSAIC BEDDING IN FAVOR.—VARIOUS NOTES OF INTEREST.

The Gardeners' and Florists' Club will give a carnation show on the fourth Monday of this month, and President Robert Halliday has decided to appoint several society ladies from the list of patronesses to act as judges at the show. The patrons and patronesses will have the hall exclusively to themselves from 2 to 6 p. m. and after 6 p. m. the general public will be admitted. The show will be free and will be held at the Royal Arcanum Hall. Premiums and certificates will be given to the successful exhibitors.

In a trip among the private places, one finds a great deal of interest. Chas. Wagner, gardener to C. R. Diffenderfer, has by all odds the finest carnations I have ever seen on a private place. Mr. Hunecke, gardener to ex-Postmaster General Gary, has a fine lot of roses, carnations and exotics. The fine range of houses at Mrs. T. Harrison Garrett's are in very fine shape, the display of orchids in bloom being striking. Mrs. Garrett has expended several thousands of dollars in landscape work lately. This spring a collection of rare coniferous stock, together with rhododendrons, hardy azaleas, hydrangeas and so forth will be added to the already large collection.

In the Baltimore parks the fine exhibition of gothic mosaic beds and especially the echeveria and alternanthera mosaics at the November exhibition in the Patterson Park casino, seemed to be the center of attraction with the people. The many rare foliage plants and exotics did not seem to interest the people as much and the chrysanthemums are only admired when extraordinarily large sized flowers are shown.

I find that echeverias are coming in favor. They are very scarce in Baltimore and Washington. I would advise our commercial men to grow these plants more generally, as their propagation and cultivation does not require much time and attention.

The retail trade has been fairly good during the past week.

KANSAS CITY, Mo. — F. J. Taggart, Director General of the flower show, has bought out R. H. Williams, grocer, and, applying his well known advertising principles, is having a flour show of his own.

Rhododendron Maximum AND Kalmia Latifolia

The two best native Evergreen Shrubs for out-of-door ornamentation. Furnished by car load lots or in smaller quantities. Send for prices, also Special Rhododendron circulars. VINCA MINOR—10,000 3-inch clumps for sale cheap. Fine lot of general nursery stock.

EASTERN NURSERIES, M. M. Dawson, Mgr. **Jamaica Plain, Mass.**

Choicest Fruit and Ornamental Trees.

Shrubs, Plants, Bulbs, Seeds. 40 Acres Hardy Roses. 44 Greenhouses of Palms, Everblooming Roses, Ficus, Ferns, Etc. Correspondence solicited. Catalogue Free. 47 Years. 1000 Acres.

THE **STORRS & HARRISON CO.,** Painesville, O.

SHADE TREES, Etc.

	Per 100	1000
Sugar Maple	10 to 12 ft., $25	
Sugar Maple	8 to 9 ft., 10	
Sugar Maple	6 to 7 ft., 7	$60
Sugar Maple	4 to 5 ft., 5	40
Sugar Maple	3 to 4 ft., 3	25
Sugar Maple	1½ to 2½ ft., 2	15
Tulip Poplar (Liriodendron)	9 to 10 ft., 20	
Tulip Poplar (Liriodendron)	6 to 8 ft., 15	
American Elm	10 to 12 ft., 20	
American Elm	8 to 9 ft., 12	
American Beech	4 to 6 ft., 5	40
Dogwood (C. Florida)	5 to 7 ft., 25	
White Day Lily (F. Alba), crowns	5	
Yellow Day Lily (Hemerocallis), three fine varieties, earliest, medium and latest, $2.50 to $3 per 100, $15 to $20 per 1000.		
Eulalia Gracillima, $2.50 per 100		18
Lionæus Rhubarb, true, best, crowns	1	8
Madeira Vine, strong	2	

Well packed and in cars. Cash with order.
E. Y. TEAS, CENTERVILLE, IND.

TREES

Fruit Trees, Small Fruits, Ornamental Trees, Evergreens and Shrubs, Shade Trees, Hardy Roses, Hardy Plants, Climbers, etc., including the New Hardy Yellow Rose, Golden Sun (Soleil d'Or) and beautiful New Cut leaved Elder.

Descriptive Catalogue (Edition 1901) with colored illustration of the new Rose and Elder on request.

Ellwanger & Barry

Mt. Hope Nurseries, ROCHESTER, N.Y.
Established over 60 years. Mention this publication.

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will find whatever they want in the

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HOLLAND.

SPECIALTIES ARE: Conifers, Evergreens, Hardy Shrubs, Lilacs, Ornamental Trees, Fruit Trees in different forms, Azaleas, Rhododendron Ponticum and Hybridum.

Please send list of your wants and write for general catalogue. We will make you special offers. Write to

GROENEWEGEN & ZOON,

De Bilt, near Utrecht, Holland.

B. W. DIRKEN,

Oudenbosch, Holland.

ORNAMENTAL AND FOREST TREES A SPECIALTY.

Conifers, Evergreens, Hollies, Etc.
Prices on Application.

GRAPE VINES

Currants, Gooseberries, Blackberries, Raspberries, Strawberries. Price List FREE.

Send 2c stamp for illustrated descriptive catalog.

T. S. HUBBARD CO. Fredonia, N. Y.

Kennicott Bros. Co.

WHOLESALE COMMISSION FLORISTS
AND DEALERS IN ALL KINDS OF FLORISTS' SUPPLIES.

WE are supplying all comers for roses, even in the times of greatest scarcity in the rose market. Qualities are excellent. Carnations were never better. Whatever you want, you can get it here.

Specialties: Klehms' Novelty Tulip and Lily of the Valley from home grown pips, the biggest valley ever grown.

42-44 Randolph St., CHICAGO.

The Mrs. E. A. Nelson

Bids fair to become the **COMMERCIAL STANDARD** pink carnation. It is a healthy grower, a free and continuous bloomer and it is sure to thrive wherever grown.

The following letter from Messrs. Robert Craig & Son speaks for itself:

PHILADELPHIA, PA., Jan. 6th, 1902.

S. S. SKIDELSKY. *Dear Sir:*—We are much pleased with the "Mrs. Nelson" Carnation, of which you sent us plants for trial last spring; it has a fine constitution and is an abundant bloomer. The blooms are of good size and the color very desirable. It has good, long, stiff stems. We think it will be a standard variety. Yours truly, ROBERT CRAIG & SON.

PRICES.

Per Dozen, $2 50; 25, $3.50; 50, $6.00; 100, $10; 1000, $80.

250 go at 1,000 rate. Send for descriptive circular.

For Sale By

VAUGHAN'S SEED STORE, New York and Chicago.
H. F. MICHELL, Philadelphia.
H. A. DREER, Philadelphia.
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E. G. HILL CO., Richmond, Ind.
A. N. PIERSON, Cromwell, Conn.
J. D. THOMPSON CARNATION CO., Joliet, Ill.
ALBERT M. HERR, Lancaster, Pa.
CINCINNATI CUT FLOWER CO., Cincinnati, Ohio.
WM. F. KASTING, Buffalo, N. Y.
C. A. KUEHN, St. Louis, Mo.
S. A. BAUR, Erie, Pa.
J. GAMMAGE & SONS, London, Ontario, Agents for Canada.

S. S. SKIDELSKY, 708 N. 16th Street, PHILADELPHIA, PA.

E. A. NELSON, 3503 N. Senate Ave., INDIANAPOLIS, IND.

Carnation Cuttings...

Well rooted, from clean, healthy stock, cool grown.

	Per 100	Per 1000
ROOSEVELT	$6.00	$50.00
PROSPERITY	5.00	45.00
NORWAY	4 50	40.00
LAWSON	4.00	35.00
LORNA	3.50	30.00
EGYPT	3.00	25.00
MORNING GLORY	2.50	20.00
CRANE	$2.00	$17.50
GENEVIEVE LORD	1.50	12.50
WHITE CLOUD	1.50	12.50
TRIUMPH	1 50	12.50
MME. CHAPMAN	1.25	10.00
FLORA HILL	1.25	10.00
PERU	1 25	10.00

WE SOLICIT YOUR ORDERS AND WILL GUARANTEE SATISFACTION.

GRAND RAPIDS VIOLET CO., Grand Rapids, Mich.

Successful Growers

Know that they can dispose of all their Surplus Stock by advertising in the American Florist. TRY IT NOW.

CARNATION CUTTINGS.

We are in a position to supply strictly clean, healthy, well rooted Carnation Cuttings. All the novelties and standard sorts. Whatever your wants, let us quote prices before you place an order. We can interest you. Also on

ROSES and Violet Plants

LADY CAMPBELL violets, sand rooted cuttings, $8 per 1000.

SWANLEY WHITE violets, sand rooted cuttings, $10 per 1000.

LADY CAMPBELL plants from 2-in. pots, $25 per 1000.

SWANLEY WHITE plants from 2-in. pots, $30 per 1000.

Remember that when it comes to

Wire Work

we can discount any list you ever saw, our own included. Write.

KENNICOTT BROS. CO.

WHOLESALE COMMISSION FLORISTS,
42-44 Randolph St, Chicago.

NEW CARNATIONS

	Doz.	100	1000
CRESSBROOK	$1.50	$10.00	$75.00
MRS. E. A NELSON	2.00	10 00	80.00
FAIR MAID	2.00	10.00	75.00
GAIETY	1.50	10.00	75.00
J. H. MANLEY	2.00	12.00	100.00
HARRY FENN	2.00	12 00	100.00
VIOLA ALLEN	2 00	12.00	100 00
NORWAY		6.00	50.00
FLORIANA		6.00	50.00

Chrysanthemums.

We offer all of the new varieties of 1902; also the best of 1901. A large number of last year's novelties and leading standard varieties ready now, from 2½-inch pots. Send for List.
Correspondence solicited.

H. WEBER & SONS, OAKLAND, MD.

ESTELLE

THE COMMERCIAL SCARLET CARNATION.

Reports are good. You should stock up on this variety. March and April delivery, $5.00 per 100; $50.00 per 1000.

WM. MURPHY,
STATION F. CINCINNATI, O.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 79 Milk St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

PLANS are being made for a bowling contest at the carnation meeting.

At Flatbush.

At the bowling alleys on Thursday evening, February 6, the following scores were perpetrated:

E. Dailleouze	157	159	H. Dailledouze	146	138
Riley	156	158	Schmutz	111	145
P. Dailledouze	122	167	Wocker	115	107
C. Zeller	91	125	A. Zeller	144	187
Raynor	108	155	Stewart	85	95

At Denver.

The following is the latest record made on Denver alleys:

Player.	1st	2d	3d	Av
A. E. Mauff	141	163	220	175
N. A. Benson	169	143	206	173
C. Mauff	174	173	145	164
John Berry	176	128	144	149
Robert Kurth	179	126	125	143
J. A. Valentine	108	156	149	138
Chas. Theiss	112	153	131	132
Emil Glauber	90	127	132	116

J. B.

At New York.

The old regulars are getting down to work again, as the appended scores will show, and Asheville looms up only six months away.

Player	1st	2d	3d
Thielmann	169	164	209
Burns	149	156	146
Traendly	181	153	175
Siebrecht	150	173	165
Roehrs	173	172	135
Hafner	149	137	163
Butterfield	143	148	193

At Jamestown, N. Y.

The following scores were made by the employes of the Lakeview Rose Gardens at their weekly roll, February 6:

CARNATION GROWERS.

Player	1st	2d	3d	4th	T'l
James Lydon	120	76	148	144	488
Wm. Bennett	81	59	73	60	273
J. Eidens	80	94	122	129	425
A. Scott	170	86	121	126	512
J. Kelley	129	143	128	135	535
Total	589	458	592	594	2233

ROSE GROWERS.

Player	1st	2d	3d	4th	T'l
Wm. Coyne	132	123	146	153	554
M. McCue	128	131	123	155	537
Ed. Boyer	100	96	123	117	436
Jas. Brooks	103	128	132	146	509
C. Gunton	121	130	103	108	462
Total	584	608	627	679	2498

A. S.

At Philadelphia.

For the first time in three years a team representing the Florist's Bowling Club has been defeated in this city. This humiliation was at the hands of the ten-man team of the Century Wheelmen. The match was played on the Tuxedo alleys, at Fortieth and Lancaster avenue. These are one of the finest sets of alleys in the country, having just been completed by the Brunswick-Balke people in their best style and are first-class in every respect. All the new alleys now being built are very fast and the surface is kept constantly polished, so that when one gets used to them the pins fall easier than on a flat surface such as is found on our club alleys. However, we do not want to take any glory from the victors, as they bowled in great form and had to break a record to win. The teams were divided into squads of five men each. The First Century team put up 1067 in the first game, which for five men comes pretty near to being the record for the country. Who has heard of a higher game? It is the record for this city, at any rate, and there was a hilarious time when it was made. The Florists' first team was only able to make 875. This looked like a big lead and as the second squad was also defeated by twenty-eight points it seemed a sure thing for the Centurians. This proved to be the case, for while the Florists rolled a great up hill game, winning the two remaining games, which would have given them the match had it been games instead of total pins, they had to be content with the knowledge that they had taken part in a great game and with the hope of turning the tables the next time they get the chance. Starkey covered himself with glory, having the honor of being high man, with a total of 605. His games were 204, 200 and 201. This is a great ten-pin record, to be made under pressure. The score follows:

FLORISTS.	1st	2d	3d	T'l
Moss	159	206	220	585
Mooney	141	202	131	474
Dunham	175	159	222	556
Hassard	213	194	195	602
Johnson	187	184	172	543
Team total	875	945	949	2760
Century	1037	846	925	2828

FLORISTS.	1st	2d	3d	T'l
Allen	154	163	184	501
Connor	203	114	168	485
Starkey	204	200	201	605
Rogers	121	153	176	450
N. Moore	160	139	149	448
Team total	842	769	878	2488
Century	870	846	805	2515

Last Wednesday was a gala night on the club alleys, there being a handicap tournament open to members of the bowling club. The prize won at the last Academy tournament was turned into a number of smaller trophies, which brought out the devotees in great numbers. There was considerable talk about the handicap, many bowlers thinking they should have had more, but it was found that the committee had done its work fairly. Johnson was at scratch with 174 and all handicaps were based upon this less twenty per cent. Following are the scores:

Player	Score	H'd'p.	T'l.
Craig	198	22	220
Turney	173	30	203
Sweet	176	22	198
Hallowell, W.	175	23	198
Falck	164	30	194
Allen	180	12	192
Hanna	144	45	189
Watson	169	19	188
Kift	172	12	184
Cox	147	35	182
Johnson	181	scratch	181
Dunlap	166	24	180
Dunham	175	5	180
Archer	166	13	179
Moore	170	8	178
Moss	169	8	177
Baxter	121	47	168
Connor	154	12	166
Polites	149	16	165
Adelberger	145	18	163
Bonsall	145	17	162
Holmes	135	20	155
Westcott	139	14	153
Rust	135	18	153
Mooney	148	3	151
Brown	116	35	151
Leaver	127	23	150
Gill	123	24	147
Starr	134	12	146
Kuestner	135	10	145
Gibson	124	19	143
Eimerman	126	16	142
Koenig	81	50	131

George Craig won the first prize, a silk umbrella; Wm. Turney second prize, a pair of solid gold link sleeve buttons; W. M. Sweet, third, a decanter and set of glasses; W. Hallowell, fourth, a handsomely decorated vase; Wm. Falck, fifth, a silver plated pocket knife; D Allen, sixth, handsome stein; M. Hanna, seventh, majolica vase; G. C. Watson, eighth, a smoking set. K.

At Chicago.

The following is the score made by the Chicago bowlers on the evening of Tuesday, February 11:

WHOLESALERS	1st	2d	3d	T'l
Jos. Foerster	141	178	146	465
L. Coatsworth	132	144	130	406
John Sterrett	138	148	113	399
E. F. Winterson	193	134	113	440
Total	604	604	502	1710

GROWERS	1st	2d	3d	T'l
Geo. Stollery	194	191	161	546
F. Matte	137	154	126	417
Chas Hughes	163	158	131	452
Fred. Stollery	169	192	151	512
Total	663	695	569	1927

ALL STARS	1st	2d	3d	T'l
G. L. Grant	127	145	127	409
Walter Kreitling	139	112	95	346
Chas. Hunt	124	102	153	379
Geo. H. Peiser	144	92	140	376
C. W. Scott	162	150	150	462
Total	696	611	665	1972

RETAILERS	1st	2d	3d	T'l
P. J. Hauswirth	184	178	163	521
J. Heubner	153	149	149	451
John Lambros	133	186	137	456
Ed. Hauswirth	125	162	170	457
Geo. Asmus	224	169	245	638
Total	815	844	864	2523

On Thursday evening, February 13, a team from the Chicago Florists' Bowling Club went to La Grange upon invitation to play three games with the Ferndales, a team composed of those connected with Vaughan's greenhouses at Western Springs. Following is the score:

FERNDALE.

Player	1st	2d	3d	T'l
Daly	201	142	204	547
Kamm	166	161	115	442
Wilson	151	145	111	407
Ambrose	168	180	151	499
Mardal	185	150	188	523
Total	871	778	769	2418

CHICAGO.

Player	1st	2d	3d	T'l
Joe. Foerster	203	118	186	507
P. J. Hauswirth	142	136	185	463
E. F. Winterson	176	190	180	546
Chas. Ballhuff	170	211	164	545
Geo. Asmus	199	195	166	560
Total	890	850	881	2621

ERIE, PA.—John V. Laver reports a very prosperous season. He has a city store at 705 State street and has a range 100x125 known as the Lakeside Greenhouses on East Sixth street.

Send to THE MOON Company

For Your { Trees, Shrubs, Vines and Small Fruits.

Descriptive Illustrated Catalogue Free.

THE WM. H. MOON CO.
Morrisville, Pa.

AMERICAN FLORIST ADS ALWAYS DO BUSINESS

Week days and every day, Sundays and holidays,

ALL OVER THE COUNTRY AT HOME AND ABROAD.

The Kansas City Flower Show

Of 1901 was the greatest success ever known in Flower Show history. The Kansas City Flower Show was built in less than 60 days, in the face of statements of people posted in flower shows that it would take two years to build it. The Kansas City Flower Show broke every record in every way. It kept every promise, it offered the biggest premiums, it paid every award dollar for dollar, and it paid them all the day the show closed. It had paid admission of over 52,000. It gave every visitor more than his money's worth. It didn't have a protest filed. The exhibitors who were here in 1901 all voluntarily promised to be here in 1902.

THERE'S MONEY IN IT

Go For It!!

Uncle John Thorpe, who was in a greater measure than any other man responsible for the success of the Show last year, will be the Superintendent in 1902. F. J. Taggart, a member of the Board of Directors of Convention Hall, who was Director General last year, will be "D. G." this year. A thousand prominent business men who backed this show with their time, money and influence last year, will push it along this year. The dates of the Flower Show this year will be Nov. 3, 4, 5, 6, 7, 8. The 1902 premiums will be bigger---the show will be bigger and better---the interest deeper. Schedule in a short time.

F. J. TAGGART, Director General.
JOHN THORPE, Superintendent.

THERE'S GLORY IN IT

Grow For It!!

Toronto.

GOOD SHOWING OF CARNATIONS AT BRAMPTON.—MANY VISITORS.—TRADE SHOWS A GAIN.—GOOD STOCK MOVING WELL.—NOTES OF VARYING INTEREST.

At the carnation meeting of the Canadian Horticultural Society, held at the Dale Estate, Brampton, it was demonstrated that this section is surely getting to be a carnation center. The attendance was beyond expectations and the stock shown was a credit to the exhibitors. Many of last season's new varieties were shown with the standard sorts and a few Canadian seedlings. Some of the best varieties were Prosperity, Lorna, Lawson, Marquis, Queen Louise, Roosevelt, Norway, Glacier and Morning Glory. After the growers had commented on the good qualities of their favorite varieties, a visit was paid to the adjoining greenhouses. The sell feeding boilers were inspected and everything was found in excellent condition. After leaving there visits were paid to the Wm. Fendley and R. Jennings establishments and stock was found to be looking exceedingly well. Through the courtesy of the Dale Estate and Wm. Fendley luncheon and tea were served all the visitors at the Brampton Hotel. Visitors were: Jno. H. Dunlop, Walter Muston, Geo. Mills, Wm. Jay, Sr., Jas. Goodier, Toronto; Wm. Gammage, London; Jno. Wells, Galt; Thos. Ivey, Brantford; J. Gilchrist, Guelph; M. Iler, Berlin, and others.

A decided improvement has been noted the past week. American Beauties are a little more plentiful, and although the supply of teas is fair the increased demand keeps them at a premium. Liberty and Morgan are very scarce. Carnations continue in good supply. Dunlop showed a good vase of Prosperity on Saturday, which sold readily at $1.50 per dozen, a high price with us at this season. This variety has been adjudged unprofitable by the growers in this vicinity, large plants and no flowers. Bulbous stock is plentiful and moving well, but greens are very scarce. Orchids have again made their appearance. Cattleya Trianæ, cymbidiums, oncidiums and some other salable varieties are being cut by Manton Brothers.

The coal question is causing considerable anxiety to large growers who did not lay in their winter's supply. Greenhouse coal is not to be had and the price on the better grades is soaring skyward.

Canada is likely to be well represented at Indianapolis, although more would go could stop-over be obtained on the cheap rate. H. G. D.

Champaign, Ill.

The Illinois Central Railroad is building three greenhouses here, each 21x100, for plant growing, the purpose being to beautify the station grounds along the line. The greenhouses will be in charge of J. Porte, chief gardener of the system, and there will be a good sized nursery for hardy plants. The company appropriated $5,000 to start the work and from $50 to $150 will be spent at each station next spring. It is the experience of the company that, on other divisions of the road, as soon as the station grounds were nicely planted the adjacent property owners soon followed suit and trains were soon passing through most attractive surroundings.

NORFOLK, VA.—Among the sufferers by the great fire of January 31, was Lloyd G. Blick, whose store was burned out.

CARNATION CUTTINGS

WELL ROOTED, HEALTHY STOCK, READY NOW.

	Per 100	Per 1000
HIGINBOTHAM	$12.00	$100.00
MRS. POTTER PALMER	12 00	100.00
PROSPERITY	4.00	30.00
NORWAY	5 00	40.00
IRENE	3.00	25.00
LAWSON	3 00	25.00
BON HOMME RICHARD	3.00	25.00
HOOSIER MAID	3 00	25.00
CRANE	1 25	10.00
THE MARQUIS	1.25	10.00
GENEVIEVE LORD	1 25	10.00
ARGYLE	1 00	7 50
GUARDIAN ANGEL	1 25	10.00

	Per 100	Per 1000
FRANCES JOOST	$ 1.00	$ 7.50
CERISE QUEEN	1.00	7.50
ETHEL CROCKER	1.25	10.00
TRIUMPH	1.25	10.00
FLORA HILL	1.25	10.00
WHITE CLOUD	1.25	10.00
PERU	1.00	7.50
AMERICA	1.50	12.50
MRS. L. INE	1.50	12.50
MRS. BRADT	1.75	15.00
ARMAZINDY	1.25	10.00
MORNING GLORY	1.75	15 00
EVANSTON	1.00	7.50

ROSE PLANTS.

2¼-in. pots.	Per 100	Per 1000
BRIDESMAID	$3.00	$25.00
BRIDE	3.00	25.00
KAISERIN	3.00	25.00

2¼-in. pots.	Per 100	Per 1000
PERLE	$3.00	$25.00
GOLDEN GATE	3.00	25.00
METEOR	3.00	25.00

ROOTED ROSE CUTTINGS.

	Per 100	Per 1000
BRIDESMAID	$1.50	$12.50
BRIDE	1.50	12.50
METEOR	1.50	12.50

	Per 100	Per 1000
GOLDEN GATE	$1.50	$12.50
PERLE	1.50	12.50

All Plants and Rooted Cuttings sold under express conditions that if not satisfactory when received they are to be returned immediately, when money will be refunded.

Write for prices on large quantities.

Peter Reinberg, 51 Wabash Ave., Chicago

"If you are still looking for a PROFITABLE"
HIGH GRADE
White Carnation
Don't fail to call and see, or investigate the
Gov. Wolcott.

Orders booked now will be filled in strict rotation, commencing Jan. 1st, 1902, and as fast thereafter as stock is ready. Rooted Cuttings from sand, $10 per 100; $40 per 500; $80 per 1000. Send P. O. Money Orders on Norwood, Mass.

Peter Fisher, Ellis, Mass.

Please mention the American Florist when writing.

Carnations...

ROOTED CUTTINGS.	Per 100	Per 1000
QUEEN LOUISE	$5.00	$40.00
LORNA	5.00	40 00
G. H. CRANE	2 00	12.50
MORNING GLORY	2 00	15.00
ROOSEVELT	6.00	
ETHEL CROCKER	1.50	12.50
GENEVIEVE LORD	1.50	12 50
DOROTHY	5.00	40.00
PROSPERITY	6.00	50.00
MRS. E. A. NELSON	10.00	80.00
CRESSBROOK	10.00	75.00

My stock is in the best of condition. Estimates given on large orders.

Albert M. Herr, Lancaster, Pa.

SYLVIA A NEW WHITE CARNATION.

As a free and continuous bloomer it beats anything we have ever grown; flowers average 2½ to 3 inches in diameter. Rooted cuttings now ready, $8 per 100; $75 per 1000.

WOODFALL BROS., Glen Burnie, Md.

American Florists Ads

Always do business,
Week days and every day
Sundays and holidays,
All over the country,
At home and abroad.

CARNATIONS

Well Rooted and Healthy.

	Per 100	Per 1000
PROSPERITY, white overlaid with pink	$6.00	$50.00
GOV. ROOSEVELT, crimson	6.00	50.00
QUEEN LOUISE, white	4.00	40.00
BON HOMME RICHARD, white	4.00	30 00
IRENE, pink	4 00	30 00
TRIUMPH, pink	2 00	15 00
WHITE CLOUD, white	2.00	15.00
THOS. W. LAWSON, pink	4.00	35 00
MARQUIS, pink	2 50	20.00
G. H CRANE, scarlet	2 00	15.00
AMERICA, scarlet	2 00	15 00
MRS. BRADT, variegated	2 50	20 00
GUARDIAN ANGEL	1.75	15.00

MICHAEL WINANDY,
DEVON AVE. AND NORTH ROBEY. **CHICAGO.**

All The Best CARNATIONS

Send for prices on rooted cuttings, ready now and later.

Geo. Hancock & Son
GRAND HAVEN, MICH.

CARNATIONS

Owing to the dry atmosphere and high altitude diseases common to carnations are unknown with us. It will pay you to try some of our plants the coming season. We have all the leading varieties. Write for prices on rooted cuttings.

Salt Lake Floral Co., Salt Lake City, Utah.

Rhododendrons "Mtn."

Choice plants..9 to 10 in., 75c per 10; $5 00 per 100
" " 12 to 18-in., $1.50 per 10; 12.50 per 100
Special prices on large lots. Cash with first order.
Rhododendron Leaves for festooning, 50c per 1000

J. N. PRITCHARD, Elk Park, N. C.

Get the BEST.

ROOTED CARNATION CUTTINGS

Cheap Cuttings are Dear at any Price.

INTRODUCTIONS OF 1902.

	Per 100	1000
GOV. WOLCOTT, (Fisher), white	$10	$80
ENQUIRER, (Witterstaetter), light pink	12	100
MRS. E. A. NELSON, (Nelson), glistening pink, $2.50 per dozen	10	80
J. H. MANLEY, (Cottage Gar.), orange scarlet	12	100
H. FENN, (Cottage Gardens), crimson	$12	$100
VIOLA ALLEN, (Cottage Gar.), variegated	12	100
VIOLANIA, (Cottage Gardens), variegated	12	
CRESSBROOK, (Warburton), bright pink	10	80
GAIETY, (Hill), variegated	10	75

FANCY CARNATIONS.

	Per 100	Per 1000
PROSPERITY, variegated	$6.00	$50.00
MRS. G. M. BRADT, variegated	3.00	25.00
NORWAY, white	6.00	50.00
LORNA, white	5.00	40.00
WHITE CLOUD, white	2 00	15.00
MRS. T. W. LAWSON, pink	4.50	40.00
MRS. FRANCES JOOST, pink	2.00	12.50
IRENE, pink	5.00	40.00
MORNING GLORY, light pink	$3.00	$25.00
MARQUIS, light pink	3.00	25.00
MERMAID, light pink	3.00	25.00
GOV. ROOSEVELT, crimson	6.00	50.00
GEN. MACEO, crimson	2.00	15.00
ESTELLE, scarlet	6.00	50.00
G. H. CRANE, scarlet	2.50	20 00
GOLDEN BEAUTY, yellow	8.00	75.00
ELDORADO, yellow	2.50	20.00

All of our cuttings are well rooted and free from disease. Let us figure on your wants. Discounts on large quantities. BLOOMS SHIPPED FROM GREENHOUSES TO ALL POINTS ON SHORT NOTICE. SEND IN YOUR ORDERS. Upon application, we will mail our catalogue.

J. D. THOMPSON CARNATION CO.

JOLIET, ILLINOIS.

Carnation Cuttings

For Sale by

E. T. Grave, Richmond, Ind

WINNER OF THE PRESIDENT McKINLEY PRIZE at the Kansas City Show. Dorothy (First on introduction of 1901 at Kansas City), is certainly proving our claim for it as a producer, and consequently a money maker for the grower. It commands the highest price. Our stock is large and in grand shape. No order is too large or too small for us to fill. $5.00 per 100; $40.00 per 1000. Write for prices on rooted cuttings of Norway, White Cloud, Hoosier Maid, Lawson, Crane, America, Genevieve Lord and Marquis. Also T. Eaton and Fitzwygram Chrysanthemums.

California Carnations.

Our cuttings are rooted without fire heat and are strong, hardy and well rooted. They are so far superior in every way to cuttings rooted by fire heat that they should not be mentioned in the same connection. We guarantee safe arrival and satisfaction.

	Per 100	Per 1000
QUEEN LOUISE, white	$4.00	$30.00
MERMAID, fine salmon pink	3 00	20.00
G. H. CRANE, scarlet	1.50	12.00
MRS. F. JOOST, fine pink	1.00	8 00

Giant of California Pansy Plants, 50c per 100; $2.50 per 1,000. Giant of California, transplanted plants, $5 per 1000—100 sent at 1000 rates.

TERMS CASH WITH ORDER.

THE LOOMIS FLORAL CO.,
LOOMIS, CALIFORNIA.

ELECTROS...

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO.,
.....324 Dearborn St., CHICAGO.

Carnation Cuttings

Perfectly Healthy. Propagated From Choice Stock. NOW READY.

Queen Louise.

The Best White Commercial Carnation, **$5 00** per Hundred; **$40.00** per Thousand.

	Per 100	Per 1000
PROSPERITY	$6.00	$50.00
MRS. THOS. LAWSON	4.00	35.00
GOV. ROOSEVELT	6 00	50.00
HOOSIER MAID	4.00	
IRENE	4.00	
NORWAY	4.00	
EGYPT	4.00	
MRS. BERTRAM LIPPINCOTT	3.00	25.00
MORNING GLORY	2.00	15.00
MARQUIS	2.50	20.00
MRS. G. M. BRADT	3.00	
CHICAGO	3.00	
MACEO	2.00	
BUTTERCUP	4.00	
GOMEZ	$2.00	
CROCKER	1.50	$12.50
GENEVIEVE LORD	1.50	12.50
G. H. CRANE	2.00	15.00
VICTOR	2.00	
WM. SCOTT	1.50	12.50
DAYBREAK	1.50	12.50
ELDORADO	1.50	12 50
JUBILEE	1.50	12.50
FLORA HILL	1.50	12.50
TRIUMPH	1.50	12.50
PORTIA	1.50	12.50
WHITE CLOUD	1.50	12.50

J. L. DILLON, Bloomsburg, Pa.

New Scarlet Carnation "ORIOLE"

Sure to become the Standard Scarlet Carnation for florists to grow. The freest and earliest scarlet in cultivation; is always in bloom and a healthy grower. Orders booked now for February delivery. Price **$1.50** per dozen; **$10.00** per **100**; **$75.00** per **1000.**

AWARDED GOLD MEDAL AT THE PAN-AMERICAN EXPOSITION.

John B. Goetz, Saginaw, West Side, Mich.

Cleveland.

CLUB HOLDS AN INTERESTING SESSION.—ROUTES AND RATES DISCUSSED.—PARTY FOR INDIANAPOLIS.—TRAVELER DISCOURSES ON LILY OF THE VALLEY.—A TRIO OF CRAFTSMEN GO AVISITING.

The regular meeting of the Florists' Club held Monday evening, February 10, was very well attended. The club had as its guests Chas Gibson, general ticket agent for the Lake Shore and Big Four railways, and Jas. McHutchinson, of New York At the request of the club the former gentleman gave information as to the routes and rates for those intending to attend the carnation convention. As the majority wish to take in various points of interest along the route, such as Cincinnati, Richmond and New Castle, it was deemed advisable to recommend the purchase of a milage ticket, as no stop-over is allowed on the regular fare and one-third ticket. The party, which will number, in all probability, about twelve, will leave Cleveland from the Union depot, Sunday evening at 7 p. m., arriving at Cincinnati next morning. Mr. McHutchinson gave a very intesesting talk on lily of the valley culture in this country and in Europe. In Australia, where the gentleman hails from, it is impossible to get valley to flower with any degree of success, owing to the intense heat. Even indoors, where conditions are made as favorable as possible it is found impossible to flower it successfully. Herman Hart and G. W. Smith had each a vase of carnations on exhibition. Hart's was a mixed vase of standard varieties, and Smith showed his pet seedling. Each vase was fine. Fred Aul was present for the first time since his recent illness and received a hearty welcome. Beno Hart leaves the hospital this week after being confined therein for almost nine weeks. He is regaining health and strength steadily, and hopes he will soon be able to attend the meetings.

The writer, accompanied by Herman Hart and Adam Graham, paid a visit recently to Mentor and Painesville to look up the suburban members of the craft. A call was made on Carl Hagenburger, who was absent, doing a decoration in Painesville. A great variety of geraniums and carnations are grown here, principally for the wholesale shipping trade. The new range of modern, iron gutter houses Mr. Hagenburger is going to erect this spring will be devoted to carnations.

John Merkel's place was the next one to receive a call and the genial proprietor was found busy at the potting bench. A look through the houses discloses everything in fine shape. A large batch of Crimson Ramblers were as fine as anything we had ever seen and just about right for Easter. Two houses of Brides and Bridesmaids are showing up well, also a batch of cyclamens, which would be hard to beat, in 6-inch pots. Rubbers and palms galore were to be seen.

Mr. Merkel also grows a great many carnation cuttings for shipping trade. His seedling carnation, No. 16, is looking fine. It is a well shaped pink flower, about the shade of Joost, and measures three to three and one-half inches in diameter. The only drawback is a rather weak stem for such a heavy flower. If this is overcome it will prove a valuable acquisition.

Our next visit was to the nurseries of the Storrs & Harrison Company, but as it would take up too much space to enumerate all the interesting things we saw there, this must be reserved for a future edition. ECHO.

Carnations.

ROOTED CUTTINGS.

All the very best stock, healthy and well rooted. Early orders will be furnished from sand: later orders from cuttings transplanted into flats at same rate. Stock marked * now ready in flats.

General Maceo
Mrs. F. Joost
White Cloud
Wm. Scott
Flora Hill
America
Daybreak
Ethel Crocker
G. H. Crane
Triumph
Guardian Angel
*Genevieve Lord
*Marquis
Mrs. G. M. Bradt
Chicago
Gold Nugget
*Morning Glory
Irene
Lorna
*Mrs. T. W. Lawson
*Queen Louise
*NORWAY, Best white
*Prosperity
Governor Roosevelt
*ESTELLE Grand scarlet
Dorothy
Cressbrook
Enquirer
Mrs. Potter Palmer
Mrs. Higinbotham
Mrs. E. A. Nelson

SEND US YOUR LIST FOR PRICING.

We have the finest stock of ESTELLE and NORWAY in the Country and can supply in large quantities.

CANNAS.

Strong, Dormant, Two Eyed Roots.

	Per 100	Per 1000
Allemania	$3 00	$25.00
Burbank	3.00	25 00
Exp. Crampbell	3.00	25.00
Florence Vaughan	4.00	35 00
Mlle. Berat	3 00	25 00
Paul Marquant	3.00	25.00
Pres. Carnot	2.50	20.00
Mixed all colors	1.75	10.00

Largest stock in United States of other choice cannas true to name. Write for prices.

VAUGHAN'S SEED STORE,

NEW YORK: 14 Barclay St. **CHICAGO:** 84-86 Randolph St.

Greenhouses, Western Springs, Ill.

The Coming Scarlet Carnation,

Challenger,

Absolutely the best and most free flowering Scarlet Carnation ever introduced, large size, splendid color, never bursts, flowers early and all the time. Certificate R. I. Florists' Club; R. I. Hort. Society. Price for strong well rooted cuttings ready now, dozen, $2.00; twenty-five, $3; 50, $5; 100, $10; 1000, $75.

William Hoffman, Florist, Pawtucket, R. I.

CARNATIONS

Rooted Cuttings of all the new 1902 and best standard varieties. Send for price list.

WILLIAM SWAYNE,

BOX 226. KENNETT SQUARE, PA.

CARNATIONS

NOVELTIES FOR 1902.

J. H. MANLEY, SCARLET,
HARRY FENN, HARVARD CRIMSON,
VIOLA ALLEN, VARIEGATED.

Send for Descriptive Catalogue.

THE COTTAGE GARDENS, Queens, N. Y.

NEXT WEEK

February 22.

The Carnation Number

Fully illustrated Complete Report of the

Indianapolis Meeting of the Carnation Society

A number of especial interest to all growers and handlers of Carnations

(and who isn't interested in the carnation?)

Send Advertisements

Big advs, little advs,
All kinds of advs,

NOW

American Florist Company,

324 Dearborn St., CHICAGO.

ROOTED CUTTINGS
of Carnations and Roses.

All Clean, Healthy Stock, Grown Cool.

CARNATIONS.

PINK VARIETIES.	Per 100	Per 1000
MRS. LAWSON	$4.00	$35.00
MARQUIS	3.00	25.00
MORNING GLORY	3.00	25.00
ETHEL CROCKER	2.00	12.50
MRS. F. JOOST	1.50	12.50
WHITE VARIETIES.		
NORWAY	5.00	40.00
WHITE CLOUD	1.50	12.50
FLORA HILL	1.50	12.50
RED VARIETIES.		
RED MRS. BRADT	2.50	20.00
G. H. CRANE	2.00	17.50
AMERICA	2.00	15.00
VARIEGATED VARIETIES.		
PROSPERITY	6.00	50.00
MRS. BRADT	2.50	20.00
MAROON VARIETIES.		
GEN. MACEO	1.50	12.50
YELLOW VARIETIES.		
GOLD NUGGET	3.00	25.00

ROSES.

BRIDES, BRIDESMAIDS, METEORS	1.50	12.50
PERLES	2.00	15.00

Orders for less than 25 of one variety charged extra. All plants shipped from Hinsdale.

Bassett & Washburn,
STORE: 76 WABASH AVE.
GREENHOUSES: HINSDALE, ILL. **CHICAGO.**

Rooted Cuttings For 1902 Now Ready

ROSES AND CARNATIONS.

Clean stock, well rooted, free from diseases. Satisfaction guaranteed.

CARNATIONS.

	Per 1000		Per 1000
Mrs. Lawson	$35.00	Ethel Crocker	$12.50
Egypt	25.00	White Cloud	12.50
Hoosier Maid	25.00	Peru	9.00
The Marquis	12.50	Crane	12.50
Genevieve Lord	12.50	Mrs. Bradt	12.50
Guardian Angel	12.50	Chicago	12.50
Frances Joost	12.50	America	12.50
Evanston	12.50	Helen Keller	12.50
Melba	12.50	Mrs. Ine	12.50
Scott	12.50	Portia	9.00

ROSES.

	Per 1000		Per 1000
Maids	$12.50	Golden Gates	$12.50
Brides	12.00	LaFrance	12.50

ROSE PLANTS.

	Per 1000		Per 1000
Maids	$25.00	Golden Gate	$25.00
Brides	25.00	LaFrance	25.00

JOHN BROD, Niles Center, Ill.
CHICAGO OFFICE, 349 W North Avenue.

CARNATIONS
Rooted Cuttings.

Lawson, $3.00 per 100; White Cloud, Flora Hill, John Young, Armazindy, Daybreak, Ethel Crocker, Genevieve Lord, Gold Nugget, America, Jubilee, Argyle, Melba and Gen. Gomez, $1.50 per 100.

Alternantheras, Coleus, Double Sweet Alyssum, Ageratum, Fuchsias, 60c per 100.

VINCAS. Abutilon foliage var. trailing, $1.00 per 100.

Hillsdale Floral Park, HILLSDALE, MICHIGAN.

MRS. FISHER CARNATIONS
For Summer Blooming, now ready, in 2-inch.

Also have CRANE, CROCKER, JOOST, SCOTT, MARY WOOD, HOOSIER MAID and McGOWAN. Write

GEO. A. KUHL, PEKIN, ILL.

ROOTED CUTTINGS

CARNATIONS.

	Per 100	Per 1000
MRS. POTTER PALMER	$12.00	$100.00
MRS. HIGINBOTHAM	12.00	100.00
PROSPERITY	5.00	40.00
QUEEN LOUISE	5.00	40.00
NORWAY	5.00	40.00
IRENE	4.00	35.00
MRS. LAWSON	3.00	25.00
MARQUIS	1.25	10.00
G. H. CRANE	1.25	10.00
FLORA HILL	1.25	10.00
MRS. JOOST	$1.00	$7.50
WHITE CLOUD	1.25	10.00
EVANSTON	1.00	7.50
MRS. INE	1.25	10.00
WM. SCOTT	1.00	7.50
GENEVIEVE LORD	1.25	10.00
ETHEL CROCKER	1.25	10.00
GUARDIAN ANGEL	1.25	10.00
ARGYLE	1.00	7.50
AMERICA	1.25	10.00

ROSES.

	Per 100	Per 1000
METEOR	$1.50	$12.50
PERLE	1.50	12.50
BRIDE	1.50	12.50
BRIDESMAID	$1.50	$12.50
GOLDEN GATE	1.50	12.50

ROSE PLANTS from 2½-in. pots.

	Per 100	Per 1000
METEOR	$3.00	$25.00
PERLE	3.00	25.00
BRIDE	3.00	25.00
BRIDESMAID	$3.00	$25.00
GOLDEN GATE	3.00	25.00
KAISERIN	3.50	30.00

The above named stock is clean, well rooted and free from disease.

GEO. REINBERG, 51 WABASH AVENUE, CHICAGO.

CRESSBROOK. The coming Pink Carnation for everybody to grow.

Baltimore, Feb. 21, 1901, it scored 94 Points, the highest of any seedling. Cressbrook has never shown disease of any kind and is an extra free bloomer. Size of flowers under ordinary culture, 3 to 3½ inches.

Orders will be delivered in rotation on and after Jan. 1, 1902, at the following prices:

12 plants	$1.50	250 plants	$25.00
25 plants	3.00	500 plants	37.50
50 plants	5.00	1000 plants	75.00
100 plants	10.00		

C. WARBURTON, FALL RIVER, MASS.

Cressbrook may be seen growing at

THE E. G. HILL CO'S., Richmond, Ind., and at WM. NICHOLSON'S, Framingham, Mass.

CARNATION CUTTINGS
Well Rooted, Clean Healthy Stock.

	Per 100	Per 1000		Per 100	Per 1000
PROSPERITY	$6.00	$45.00	FLORA HILL	$1.50	$11.00
NORWAY	5.00	45.00	WHITE CLOUD	1.50	11.00
LAWSON	4.00	35.00	TRIUMPH	1.50	11.00
CRANE	1.50	11.00	SPORT (Guardian Angel)	1.50	11.00
AMERICA	1.50	11.00	MARQUIS	1.50	11.00

QUEEN LOUISE, $4.50 per 100; $40.00 per 1000.

All Rooted Cuttings sold under express conditions that if not satisfactory when received they are to be returned immediately, when money will be refunded.

WIETOR BROS., 51 WABASH AVENUE, CHICAGO.

Carnation Floriana

We believe this to be the best pink carnation introduced to date, was disseminated in the spring of 1901 by originators, Messrs. Fillow & Banks. Price, $6.00 per 100; $50.00 per 1000. 50 at 100 rate, 500 at 1000 rate. Less than 50, 8c each.

DAILLEDOUZE BROS. Carnation and Chrysanthemum Specialists, FLATBUSH, BROOKLYN, N. Y.

SUCCESSFUL SELLERS

are the successful growers who advertise in

THE AMERICAN FLORIST.

Detroit.

CLUB HOLDS A SESSION FOR THE LADIES.—GOOD PARTY FOR CARNATION MEETING.—INVITATION TO BE EXTENTED.—VARIOUS NOTES.

Very little of a business nature was transacted at the club meeting last week. It was "ladies' night" and over twenty of them, and about twenty-five members, braved the cold and met at the club parlors for the entertainment provided for them. After a short business session, Prof. W. W. Tracy gave a little talk on "Harmony and Contrast in the Effective Arrangement of Flowers" which was both instructive and interesting to all present, which was followed with recitations and a musical programme, with refreshments, which was much enjoyed until a late hour.

A party of about fifteen will attend the carnation meeting at Indianapolis, leaving Detroit via the Wabash at 7:40 a. m., Tuesday, February 18, arriving at Indianapolis at 3:30 p. m. the same day. President Rackham will, in the name of the Detroit Florists' Club, extend an invitation to the society to hold its next meeting in this city, and when the voting is going on the Detroit boys will all be on the inside of the hall and thus avert a repetition of the Buffalo incident.

A healthy condition of trade is noted among the retailers. Festivities of various kinds are frequent, which added to the extraordinary amount of funeral work, easily uses up the supply of all available stock. Roses are at times quite scarce and though violets are fine and quite plentiful the demand for them is very brisk and leaves no surplus.

John Carey, of Mt. Clemens, being situated far from Clinton river, is obliged to haul water from that source for his roses, which are showing an improvement since he stopped the use of the injurious city water. James Taylor is about to build a house 20x150 feet for chrysanthemums, using double strength glass 16x16.

J. A. Briscoe is about to remove his Wildemere Gardens Nursery stock from its present location on the boulevard to Woodward avenue, just outside the city limits, where an increased acreage will be devoted to his rapidly growing business.

Chas. A. Kaichen, of the Lake View Floral Co., was married last week.

Visitors: Henry Smith and Eli Cross, Grand Rapids; S. S. Skidelsky, Philadelphia; C. W. Scott, Chicago. J. F. S.

LAFAYETTE, IND.—Herman Roth is making preparations for extensive improvements in his range of glass on North Grant street this spring.

NEWPORT, R. I.—Mr. Chadborn, inventor of the automatic ventilator, and Robert Farquhar, of Boston, were in town this week. Mr. Farquhar's illustrated lectures given here in the past are highly thought of and an effort is now being made by the Horticultural Society to have him come here to deliver his lecture on Japan and Hawaii.

30 000 YOUNG ROSES in 2x2½, 2¼x3-in. and 3-in. pots. Also Rooted Cuttings. Roses—Meteors, Brides, Maids, Kaiserins, Perles, Am. Beauties, Liberty, Golden Gate, La France, Belle Siebrecht. We believe in shifting Young Roses. All stock offered in 2½-in. pots has been shifted from 2-in. and is equal to most stock advertised as 3-in. and when we send it out is well established. The above are now ready to go out and—as we need room—we will make special prices in quantity. Send us a list of what you want and we will give you our figures. Send $1.00 for samples. Write

GEO. A. KUHL, PEKIN, ILL.

THE GRANDEST NEW FORCING ROSE

Souvenir de Pierre Notting

The Best, The Finest, The Most Free Blooming of all Forcing ROSES, color deep yellow; will be distributed for the first time April, 1902

—BY THE RAISERS—

SOUPERT & NOTTING,

ROSE GROWERS.

LUXEMBOURG, (Europe).

Net price, $80.00 per 100; $1.00 each. Write for lithographs.

The Three Grandest New Roses

IN THE MARKET.

PERLE VON GODESBERG Yellow sport from Kaiserin $4.00 each; 10 for $30.00

FRAU PETER LAMBERT PINK KAISERIN, $3 50 each; 10 for $30.00

WILHELM HARTMANN IMPROVED PAPA GONTIER, $1.00 each; 100 for $70.00

All three are the finest forcing and cutting Roses and will give highest satisfaction to growers and retailers. All orders will receive best attention.

P. LAMBERT, - TRIER, GERMANY.

Please mention the American Florist when writing

Am. Beauties ROOTED CUTTINGS $25.00 PER 1000.

This stock is free from spot, thoroughly rooted and first class in every respect. If not satisfactory or just as represented by us you can return same at once.

J. A. BUDLONG, 37 and 39 Randolph St., CHICAGO, ILL.

Wild Rose

The Most Profitable Light Pink Carnation Ever Introduced

A Beautiful Shade of Light Pink.

A HEALTHY GROWER AN IDEAL PLANT Continuous Bloomer.

$1.50 per 12, $10 per 100 $65 per 1000.

Walter S. Nichol, Barrington, R. I.

CARNATIONS

ROOTED CUTTINGS.

ETHEL CROCKER.....$10.00 per 1000
HOOSIER MAID .....$20.00 per 1000

Write for prices on other leading varieties.

POEHLMANN BROS. COMPANY, MORTON GROVE, ILL.

Please mention the American Florist when writing

CARNATIONS

Well rooted, clean, healthy stock. Early struck cuttings make best plants.

	100	1000		100	1000
Roosevelt	$6.00	$50.00	Maceo	$2 00	$17.50
Prosperity	6.00	50 00	Bradt	2.00	17.50
Estelle	6 00	50.00	Glacier	2 00	17.50
Lorna	6.00	50.00	White Cloud	1.50	12.50
Norway	5.00	40.00	Flora Hill	1.50	12.50
Dorothy	5.00	40.00	Joost	1.50	12.50
Irene	5 00	40.00	E. Crocker	1.50	12.50
Lawson	4 00	35.00	America	1.50	12.50
Marquis	2.50	20.00	G. Lord	1.25	10.00
M. Glory	2 50	20.00	Triumph	1.25	10.00
Gomez	2 00	17.50	Scott	1.00	8.00
			Daybreak	1.00	8.00

250 at 1000 rates; 25 at 100 rates. Cash or C. O. D.

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

ROOTED CUTTINGS

Estelle, $5.00; Lawson, $4.00; Marquis and Elm City, $2.00; Crocker and Lord, $1.00 per 100. Other varieties on application.

Genistas, bushy plants for Easter, 6-in. pots, $4.50 per doz.

DANA R. HERRON, OLEAN, N. Y.

Mrs. Palmer

Largest, best formed, most prolific and as good a color as any scarlet ever introduced. $12.00 per 100, $100.00 per 1000.

Mrs. Higinbotham

We can still book orders for a few more thousand of this sterling variety, the best of all light pinks. $12.00 per 100; $100.00 per 1000.

Chicot

Extra large white, beautifully striped in midwinter, extremely fragrant, finest constitution. More profitable than any standard variety on our place last season, and is doing even better now. $6.00 per 100; $50.00 per 1000.

Elegant Stock.

NOW READY TO SHIP.

	Per 100	Per 1000
BON HOMME, white	$4.00	$30.00
WHITE CLOUD, "	2.00	15.00
FLORA HILL, "	2.00	15.00
NORWAY, "	6.00	50.00
HOOSIER MAID, "	4.00	30.00
LAWSON, pink	4.00	35.00
MARQUIS, "	2.50	20.00
SUNBEAM, "	3.00	25.00
IRENE, "	4.00	30.00
CROCKER, "	2.00	15.00
JOOST, "	2.00	15.00
MORNING GLORY, pink	3.00	25.00
G. LORD "	2.00	15.00
CRANE, scarlet	2.00	15.00
ROOSEVELT, crimson	6.00	50.00
MACEO, "	2.00	15.00
GOMEZ, "	2.00	15.00
BRADT, variegated	2.50	20.00
NYDIA, "	3.00	25.00
OLYMPIA, "	2.50	20.00
GOLD NUGGET, yellow	3.00	25.00
PROSPERITY, from soil	6.00	45.00

All new varieties at introducer's prices.

Chicago Carnation Co.

JOLIET, ILL.

50,000 Rooted CARNATION CUTTINGS

to dispose of yet; all well rooted and free from disease.

	Per 100	Per 1000
Queen Louise	$5.00	$40.00
Flora Hill, Daybreak	1.25	10.00
Crane, America, Crocker	1.50	12.00
Lippincott, Melba	1.25	10.00
Lizzie McGowan	1.25	10.00
White Cloud	1.50	12.00

5000 BRIDESMAID ROSES, in 2½-inch pots, $2.00 per 100; $20.00 per 1000.

Special prices on large orders. Cash with order.

MERCER FLORAL CO.,
TRENTON, N. J.

CARNATION LAWSON

ROOTED CUTTINGS, No. 1 clean, healthy stock, $3.00 per 100; $25.00 per 1000, Cash. Send for sample. Money returned if not as represented.

Will exchange for Palms, Fuchsias, Basket and Vase plants—anything I can use. State what you have to exchange.

FRED J. KING, OTTAWA, ILL.

ROSES

Crimson Rambler
Climbing Clothilde Soupert.

Ramblers, 3 to 4½ ft., well branched... $10 per 100
" 2½ to 3 ft., " " ... 8 per 100
" 1½ to 2½ ft., " " ... 6 per 100
Soupert, strong field-grown plants..... 15 per 100

The Conard & Jones Co, West Grove, Pa.

Please mention the American Florist when writing.

The Sensational New Rose for 1902.

MRS. OLIVER AMES.

For description, prices, etc., see my new Wholesale Trade List now ready which can be had on application.

What the leading Retail Florists of the different cities say of this Rose:

Messrs. J. H. Small & Sons, Washington, D. C., under date of Dec. 2, 1901, write:

DEAR MR. MAY:—We beg to acknowledge the receipt of the box of Mrs. Oliver Ames Roses which arrived on Wednesday, Nov. 27th. They were in perfect condition when we received them and we have kept two or three of them until to-day, which proves that their quality as a keeper is unsurpassed by anything we have handled

We exhibited the roses to our customers and they were very much admired. We have no doubt from what we have seen of this Rose that it has a great future in store.

Again thanking you for your courtesy in sending them, we remain.

Yours very truly, (Signed) J. H. SMALL, JR.

JOHN N. MAY, Summit, N. J.

IVORY or WHITE Golden Gate.

The easiest, freest bloomer and most profitable white rose to grow. 20,000 plants out of 2-inch pots. February, March and April delivery.

$6.00 PER 100; $27.50 PER 500; $50.00 PER 1000.

Our stock of **Ivory,** or White Golden Gate, **Was Purchased** from the American Rose Co., of Washington, D. C., last February and March, and is **guaranteed** to be **true stock.** If they or their Agents make any statement to the **contrary it is an untruth.**

W. A. HAMMOND, 107 East Broad Street, RICHMOND, VA.

ROOTED CUTTINGS

Roses and Carnations.

ALL THE LATEST VARIETIES.

Write for Prices.

HOLTON & HUNKEL CO., Milwaukee, Wis.

AMERICAN Beauty Roses.

First crop now ready. Strong plants from 2½-in. pots, **$6.00 per 100; $50.00 per 1000.**

Our young plants of American Beauty are exceptionally fine this year, and we extend a cordial invitation to intending planters to inspect our stock. Orders booked now for Spring delivery and will be filled in rotation.

GRAFTED BRIDES and BRIDESMAIDS

We still have a few thousand unsold. We graft sound flowering wood on Dickson's disbudded Manetti stock. Price $12 per 100 from 2½-inch pots. Order now.

ROBERT SCOTT & SON,
SHARON HILL, DEL. CO., PA.

Please mention the American Florist when writing.

Elmira, N. Y.

HOFFMAN CONFINES EFFORTS TO WHOLESALE TRADE. — PRODUCERS OF GOOD STOCK.—GARDENER HAS SEEDLING OF EXCEPTIONAL MERIT.

One need not go beyond the limits of Elmira in quest of first-class stock. As good as is grown anywhere, one can find right here. At Grove P. Rawson's both roses and carnations show up splendidly. It would be needless to add that Lizzie McGown, Portia and the like have outlived their usefulness here and that the best varieties extant have long since replaced these old time favorites. His general stock is likewise in the pink of condition.

H. N. Hoffman has disposed of his retail business to Mr. Leavitt and is now giving his entire attention to his wholesale trade. Having added two more carnation houses, each 23x100, to his already extensive plant, Mr. Hoffman is well equipped. Lawson, as everywhere else, is the favorite here, although Marquis, Genevive Lord and, would you believe it, the much maligned Ethel Crocker, do equally well on his place. Nor has be discarded the old Scott. It still holds its own here and is worthy of its place. Queen Louise, Norway and White Cloud are grown for white, and it would be hard to determine which does best. At the time I saw them each showed up to good advantage. Mr. Hoffman also grows a miscellaneous stock and his extensive nursery forms an important branch of his business.

John Rudy, gardener for Senator Fassett, had several surprises in store for the writer. In the first place he showed me some Ethel Crocker, the like of which I never saw on any place, veritable giants and perfect blooms. How he manages to grow it to perfection, while many seem to fail with it, is certainly inexplicable. A second surprise, and one which bids fair to surpise the carnation men at some future day, is a seedling of his, a magnificent scarlet, borne on a long, stiff stem, the bloom measuring three and one-half inches and of the finest, brilliant color imaginable. He has about a dozen plants, this being its second year. A glance at his general stock sufficed to convince me that Mr. Rudy is a grower the like of whom one seldom finds among private gardeners.

F. L. La France has things in fine condition. His carnations, of which he makes a specialty, look very fine indeed and come in paying quantities.

Mr. Leavitt, successor at H. N. Hoffman's retail store, reports a good business all along the line. NOMIS.

Warren, O.

George Richardson has a new nymphæa which he has named Mark Hanna which he will introduce to the trade next season. The color is a deep pink, shaded red, and the flowers are very large. Mr. Richardson says it is the best bloomer he has in his twenty-four ponds, covering about three acres. Mr. Richardson is the originator of a number of new popular varieties of nymphæas. His address has been Lordstown, O., but the Lordstown postoffice has been discontinued since rural free delivery was inaugurated from Warren.

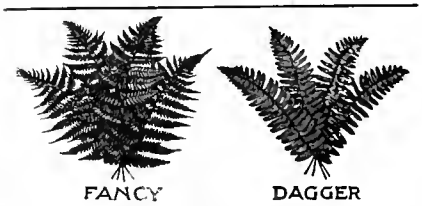
BATAVIA, N. Y.—Paul Liebsch has a new carnation, yellow marked with scarlet, for which he is reported to have refused $500 when he had only fifteen plants. His stock is now worked up to 3,000 plants.

Fern Balls

Start a number of them now. They sell like "Hot cakes" when in leaf. See front cover for prices.

Vaughan's Seed Store

84-86 Randolph St., CHICAGO.
14 Barclay Street, NEW YORK.



FANCY DAGGER

HARDY CUT FERNS

Following Prices after February 1st:

In 1,000 lots ..... $1.25 per 1000
In 5,000 lots ..... 1.20 "
In 10,000 lots ..... 1.10 "
In 25,000 lots ..... 1.00 "

L. B. BRAGUE, Hinsdale, Mass

FANCY OR DAGGER **FERNS** $1.25 PER 1000

GALAX, green or bronze, 75c per 1000. Laurel festooning, 4c, 5c and 6c per yd. Once used, always used for decorating. SPHAGNUM MOSS, etc.

Telegraph Office New Salem, Mass.

CROWL FERN CO., P. O. Millington, Mass.

HARDY CUT FERNS

NO POOR FERNS TO DISPOSE OF.

A No. 1 Fancy and Dagger Ferns at $1.25 per 1000. Moss, Laural, Bouquet, Evergreen, Festooning, Hemlock and Spruce Boughs at prices that are just right.

H. J. SMITH, Hinsdale, Mass.

Galax Leaves, Etc.

	Per 1000
Choice Bronze and Green, medium size	$ .50
Choice Bronze and Green, large size	.55
Choice Leucothoe Sprays	3.00
Choice Fancy and Dagger Ferns	.75
Choice Rhododendron Leaves	.50

Rhododendron Leaves for festoonings, 50c per 1000
Largest dealer on earth. Cash with first order.

J. N. PRITCHARD, ELK PARK, N. C.

Galax AND Leucothoes.

Selected, Bright and Brilliant.
Wholesale Trade Solicited.....

J. L. BANNER & CO., Montezuma, N. C.

Please mention the American Florist when writing.

CALDWELL'S

Wild Smilax

50 LB. CASE $6.00
35 LB. CASE 4.50
25 LB. CASE 3.50

Galax—Galix —Galox—

Brilliant bronze or green, assorted sizes. $1.00 per 1000.
Leucothoe Sprays, $1.00 per 100
Fancy Fern, 1.50 per 1000
Dagger Fern, 1.25 per 1000
SMALL GREEN GALAX FOR VIOLETS, $1.00 per 1000.
Laurel Roping, 6 cts., 8 cts. and 10 cts. per yard.
All other green goods in season.

WRITE, TELEPHONE OR TELEGRAPH.

HARRY A. BUNYARD,

38 West 28th Street,
Phone. 798-799 Mad. Sq. NEW YORK CITY.

L. J. KRESHOVER,

(SUCCESSOR),
110-112 W. 27th Street, NEW YORK.
Phone 597 Madison Square.

HEADQUARTERS FOR..... **Green Goods**

Where you never get disappointed. We always have the stock on hand and of the best quality.

FANCY and DAGGER **Ferns,** $1.50 per 1000.

Discount on large orders.

BRILLIANT BRONZE AND GREEN GALAX, 75c per 1000 in 5000 lots. Satisfaction guaranteed.

SELECTED SOUTHERN WILD SMILAX, $4 and $7 per case. Also LAUREL FESTOONING, good and full, 4c, 5c and 6c per yard.

Orders by Mail, Telephone or Telegraph promptly attended to.

HENRY M. ROBINSON & CO.,
32-34-36 Court Sq., BOSTON, MASS.

Hinsdale, Hinsdale, Fern Co.

FANCY & DAGGER FERNS

Now at $1.30 per 1000. Laurel Festooning, $4 per 100 yards. Sphagnum moss, 50c per bbl. All orders by mail or dispatch promptly attended to. Cash with all orders.

THOS. COLLINS, Hinsdale, Mass.

SELECTED FRESH

Galax Leaves.

shipped direct to the retail florists at 50c per 1000, in case lots of 10,000, assorted sizes or as wanted. Quality guaranteed FIRST-CLASS.

ED. S. LOVEN, LINVILLE, N. C.

REMEMBER you can get our Standard Brands of Wild Smilax and other Greens from such people as J. B. Deamud, Chicago. H. Bayersdorfer & Co., Phila. L. J. Kreshover, N. Y. City. Vaughan's Seed Co., Indianapolis. Ed. Reid, Philadelphia. J. M. McCullough's Sons, Cincinnati, O. Michigan Cut Flower Exchange, Detroit, Mich. or direct from us.

A FULL SUPPLY CONSTANTLY ON HAND.

Caldwell The Woodsman Co., Evergreen, Ala.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

Dahlias

Mrs. Winters

THE WORLD'S BEST WHITE DAHLIA. Novelties and Standard varieties. 18 yrs' experience and have failed of no prize competed for.

See my catalogue before placing your order. Also fine field-grown Hollyhocks at $2.50 per 100. Cannas, Pæonias and Hardy Plants. Cheap mixtures are dear; get the best.

W. W. WILMORE, The Dahlia Specialist,
BOX 382, DENVER, COLO.

VERBENA KING

Rooted Cuttings now ready. Express prepaid. 100 1000
Verbenas, named, $ .60 $5.00
Daisies, white and yellow..... 1.00 8.00
Heliotrope, 12 var. 1.00 6.00
Ageratum, best var. .60 5.00
Alternanthera, red and yellow..... .60 5.00
Salvias, 4 best vars. named. Rooted Cuttings..... 1.00 8.00
That cash or C. O. D.

C. Humfeld, Clay Center, Kas.

CANNAS

2, 3 or more eyes, Mme. Crozy, A. Bouvier, Phila., Crimson Bedder, M. Bouchaud, Queen Charlotte, P. Marquart, etc., $2.00 per 100; Duke of Marlborough, Black Prince, new, $3.00 per 100. Finest mixture of all colors, $1.00 per 100.

FOR EASTER! CINERARIAS, Benary & Cannell's Prize Strains, 3 in., $3.50 per 100. **STOCKS,** German dwarf, wall flower-leaved, blue, white, red, each kind, 2-in., $2.00 per 100. Cash please.

Shellroad Greenhouse Co., Grange, Baltimore, Md.

500,000 VERBENAS.

60 finest named varieties, including our **NEW MAMMOTH WHITE, "MRS. McKINLEY."** The finest white verbena grown; perfectly healthy; free from disease. Rooted cuttings 60c per 100; $5.00 per 1000. Plants, $2.50 per 100; $20.00 per 1000. Our list is the choice of millions of seedlings. Send for circular.

J. L. DILLON, BLOOMSBURG, PA.

PALMS.

HOME-GROWN, FINE, CLEAN STOCK; GROWN COOL.

Write for Price List. **J. B. HEISS,**
The Exotic Nurseries. **DAYTON, OHIO.**

GERANIUMS.

Double Grant, Bruanti, Alphonse Ricard, J. J. Harrison, Mme. Thibaut, John Doyle, Beaute Poitevine, Mme. Jaulin, Gloire de France, La Favorite, S. A. Nutt, Kelway, Frances Perkins, etc., labeled, from 2½-inch pots, $3 per 100; $25 per 1000. Mixed, my selection, $2.50 per 100; $20 per 1000.

PAUL MADER, East Stroudsburg, Pa.

PANSIES.

50c. per 100. $3.00 per 1000.

GERANIUMS

16 var. fine 2½-in. pots, $3.00 per 100.

CASH. **JOS. H. CUNNINGHAM, Delaware, O.**

Boston Ferns

Fine, strong, young plants, $3.00 per 100; $27.50 per 1000.

Edwin Lonsdale, Wyndmoor, Chestnut Hill, Pa.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

Dreer's Palms!

For RETAILING and DECORATING.

GOLD MEDAL—Pan-American Exposition.....1901
SILVER CUP—Buffalo Florists' Club.....1901
CERTIFICATE OF MERIT—Society of American Florists.....1901

The following sizes and varieties will be found of exceptionally good value.

KENTIA BELMOREANA.

ARECA LUTESCENS.

Inch pots.		Inches high.	Per doz.	Per 100
3	2 plants in a pot	12 to 15	$1.25	$10.00
4	3 " "	15 to 18	3.00	25.00
			Each	Doz.
6	3 " "	28 to 30	$1.00	$12.00
8	3 " "	30 to 36	2.50	30.00

KENTIA BELMOREANA.

Inch pots.		Inches high.	Per doz.	Per 100
3	5 leaves	10 to 12	$2.50	$20.00
4	5 to 6 "	15	4.50	35.00
			Each.	Doz.
6	6 "	24 to 28	$1.25	$15.00
6	6 "	28 to 30	1.50	18.00
7	6 to 7 "	30 to 32	2.00	24.00
7	6 to 7 "	34 to 36	2.50	30.00
8	7 "	36	4.00	48.00

8....4 plants in a pot, well-furnished, 3½ feet high, fine plants, $1.00 each, $18.00 doz.

KENTIA FORSTERIANA.

Inch pots.		Inches high.	Per doz.	Per 100
3	5 leaves	12 to 15	$2.50	$20.00
4	5 to 6 "	15 to 18	4.50	35.00
5	5 to 6 "	18 to 20	6.00	50.00
			Each.	Doz.
6	6 "	28 to 30	$1.00	$12.00
6	5 to 6 "	30	1.25	15.00
6	5 to 6 "	30 to 35	1.50	18.00
7	6 "	30 to 36	2.00	24.00
8	6 "	42	2.50	30.00
8	6 "	42 to 48	3.00	36.00

8....2 to 3 plants in a pot, 3½ to 4 feet high, $4.00 each, $48.00 doz.

PHOENIX CANARIENSIS.

Inch pots.	Inches high.		Each
6	24 to 28	bushy, stocky, plants	$1.25
7	26 to 28	" "	1.75
8	28 to 34	" "	2.00
8	30 to 36	" "	2.50

Inch tubs.	Feet high.		Each
12	3½ to 4	bushy, stocky plants	$6.00
13	4 to 4½	" "	7.50

For the most complete list of Palms and Decorative Stock, as well as all seasonable Florists' Stock, see our current Wholesale List.

HENRY A. DREER,

714 CHESTNUT ST., **PHILADELPHIA, PA.**

Galax Leaves

30 W. 29th Street The Kervan Co. THE EVERGREEN SPECIALISTS OF N. Y. CITY.

VINCA VARIEGATA

Rooted cuttings, well rooted, $1 per 100; $7.50 per 1000.

FORGET-ME-NOT, true winter flowering, out of 2½-in. pots, $2.00 per 100; $15.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

BEGONIA GLOIRE DE LORRAINE,

2¼-inch pots, $15.00 per 100.

Write for prices on large lots. Stock guaranteed absolutely free from disease.

THOMAS ROLAND, Nahant, Mass.

SPECIALTIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery,
CHRYSANTHEMUMS,
SMILAX, VIOLETS.

In Best Varieties

Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.

Boston Ferns

FOR EASTER We have the largest stock in the West in all sizes; also fine specimen plants. Send for sample order. Asparagus Plumosus and Sprengeri, Cinerarias Geraniums, red, pink, white and salmon, also Rose Geraniums; Pelargoniums, Petunias, etc. etc. Write us you wants.

GEO. A. KUHL, PEKIN, ILL.

Please mention the American Florist when writing

SHIPPING LABELS FOR ....Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co.,
CHICAGO.

Syracuse, N. Y.

SEVERE WEATHER INTERFERES WITH THE PLANT TRADE.—CUT FLOWERS MOVING FAIRLY WELL.—BULBOUS STOCK.—VARIOUS NOTES.

During the week just past, Syracuse has been in the grasp of the worst blizzard she has experienced in years. The cut flower trade has kept up well in spite of this, but the plant trade has fallen off. A scarciety of stock has been felt by some of the florists, due to the weather. Tulips, daffodils and lilies of the valley have a good market, and Easter lilies are just beginning to come in. Daffodils are popular for center pieces and bring $1 per dozen. American Beauties bring $5 to $15 and carnations 75 cents to $1.50 per dozen at retail.

The outlook is excellent in the seed business, the farmers having received good prices for their products last year. They are consequently preparing to buy seeds of all kinds. The heaviest trade will be on onion and alfalfa seeds, these crops having been particularly successful.

P. R. Quinlan & Company have had a unique display of primroses in their window, using about 300. W. S. Wheadon, of Quinlan's, did the decorating at the Alhambra for the Commandery ball, Knights Templar, Monday night. Palms were mostly used.

David Campbell, formerly gardener for Maj. Alexander Davis, has entered upon his duties as superintendent of parks of Syracuse, and has several plans for the ornamentation and improvement of the public beauty spots as soon as the snow is off.

Henry Burt, in addition to his florist trade, is an extensive market gardener, and is preparing for a large business this season. A. J. B.

Peoria, Ill.

Henry Baer, who was for a number of years in the employ of J. C. Murray, is preparing to go into business as a carnation grower for the wholesale market. He has placed an order with A. Dietsch & Company, Chicago, for four 200 foot sections of their patented short-roof construction and as soon as the building season opens he will begin the erection of what is to be a thoroughly modern plant. The boiler house will be entirely apart from the greenhouses and only connected with them by a glass passageway.

EAST GREENWICH, R. I.—On the morning of February 3, the residence and three of the five greenhouses of Wm M. Crompton were destroyed by fire, the loss being estimated at $6,000. The fire is thought to have originated from the heating apparatus of the greenhouse.

Orchids!

Our stock of Orchids is the finest that can be produced—no need of crossing the "pond" to get them. We have also fine fibrous Peat, live Sphagnum and round and square Orchid Baskets in all sizes.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

ROOTED CUTTINGS OUR SPECIALTY—**Geraniums** from 2¼-inch pots, named, $2.50 per 100; $22.00 per 1000. **Verbenas**, all standard named kinds, 60c per 100; $5.00 per 1000. **Heliotrops**, 14 named varieties, $1 00 per 100; $8.00 per 1000. **Petunias**, 24 varieties, $1 25 per 100. **Salvias**, 5 varieties, $1.00 per 100. **Ageratums**, 5 varieties, 60c per 100. **Coleus**, 34 varieties, 60c per 100; $5.00 per 1000. **Alyssum**, $1.00 per 100. **Feverfew**, $1.00 per 100. Express prepaid on all Rooted Cuttings. Satisfaction guaranteed. Cash with order. Write—
S. D. BRANT, CLAY CENTER, KAN.

GARDENIAS .....WANTED

Growers in the South or elsewhere who can arrange to supply Cut Blooms of Gardenias regularly, please write, with particulars, to
W. J. S., Eastern Office American Florist,
79 Milk St., Boston, Mass.

SHASTA DAISY

EVERYBODY ADMIRES THE LATEST FLORAL WONDER.

White as the snow which forever caps SHASTA'S LOFTY PEAK. Reckless in its profusion of bloom. Hardy and happy everywhere. The people's flower.
FOR CIRCULARS ADDRESS

Burbank's Experiment Farms
SANTA ROSA, CALIFORNIA.

OR ANY PROMINENT SEEDSMAN OR FLORIST.

Faxon's Mammoth VERBENAS.

My seed is saved from an elegant collection of named varieties, and produces very large flowers of the richest and most brilliant colors; this, my best mixture, will produce healthy plants, and is exactly what you want—order to-day. OUNCE, $2; ½ OUNCE, $1; ¼ OUNCE, 50 CENTS. By mail; postage paid.

M. B. FAXON, 31 State Street, Boston, Mass.
FLOWER SEED SPECIALIST.

100,000 Pansies.

The Jennings' Strain, extra fine plants, all transplanted, many are fringed and curled, strong plants, $1.00 per 1000, express; 75c per 100 mail. Large plants, $1.00 per 100, by express only. Stock the finest. Grown in cool houses. Seed, $1.00 per pkt. Cash.

E. B. JENNINGS, Lock Box 254, Southport, Conn.
Grower of the Finest Pansies.

GET THE NEW
ASPARAGUS COMORENSIS.

It grows much faster than any other variety.

Strong plants from 3-inch pots, $10.00 per 100.
" " " 2½-in. pots, 5.00 per 100.

C. EISELE, 11th & Jefferson Sts., PHILA

CYCLAMENS, 4-inch, $8.00 per 100. Azaleas, best sorts, 10 to 12-inch, $30.00 per 100. Calceolarias, 2¼-inch, $3.00 per 100; 200 for $5.00. Cinerarias from London Prize Show Flowers, 3-inch, $3.00 per 100; 4-inch, $6.00 per 100.
WHITTON & SONS, City and Green Sts., Utica, N. Y.

CANNAS

Dormant Roots, 1 to 3 eyes.

	Per 100	Per 1000
Africa	$6.00	
Allemania	2.50	$20.00
Alphonse Bouvier	3.00	
Alsace	4.00	
Asia	5.00	
Austria	2.00	15.00
Beaute de Poitevine	3 50	
Black Beauty	12.00	
Burbank	2.50	20.00
Captain Dragon	6.00	
Chas Henderson	1.50	
Chevalier Besson	4 00	
Comte de Bouchaud	4.00	
Crimson Bedder	3.50	
Egandale	4 00	
Explorateur Crampbel	4.00	
Fair Persian	4.00	
Florence Vaughan	4.00	
Golden Bedder	3 00	
G. St. Hilaire	3.50	
Italia	1.50	12.00
J. T. Lovett	3.50	
La France	4 00	
Leonard Vaughan	6.00	
M. Laforcade	3 00	
Mlle. Berrat	4.00	
Mme. Crozy	4.00	
Mme. Molin	4.00	
Mme. Montefiore	2.00	15.00
Mme. Sallier	6.00	
Morning Star	2 00	15.00
Papa	4.00	
Paul Marquant	2.50	
Philadelphia	5.00	
Queen Charlotte	3.50	
Robusta	2.00	15.00
Rose Unique	4.00	
Secretary Chabanne	4.00	
Souv. de Antoine Crozy	5 00	
Mixed, all colors	1.00	8.00

Pot up Cannas now. Ask for our Special Spring Catalogue.

This offer is made subject to stock being unsold upon receipt of order.

BOBBINK & ATKINS,
RUTHERFORD, N. J.

SPECIAL

ROOTED CUTTINGS

GERANIUMS.

NOVELTIES: Thos. Meehan, semi-double dark pink: Levi P. Morton, semi double maroon; Dutchess of Orleans, single oriole: Ernest Kellway, semi-double crimson; J. J. Harrison, semi-double scarlet, and Snow Oriff, semi-double white; all winners, $2 50 per 100; $22.50 per 1000.

STANDARDS: S. A Nutt, E. G. Hill, Beaute Poitevine, Frances Perkins, Mme. Jaulin, Mme. Bruant LaFavorite and Mme. J. M. Garr, $2.00 per 100; $18.00 per 1000.

DOUBLE FRINGED PETUNIAS

Our superb collection consisting of twelve novelties selected from Henderson's and Dreer's latest sets. Extra Strong Rooted Cuttings, $1.00 per 100; $9 00 per 1000; $40 per 5000. Henderson's celebrated Sea Foam, $1.50 per 100. Send for our special Geranium List.

CASH WITH ORDER. SATISFACTION GUARANTEED.

The W T. Buckley Plant Co., Springfield Ill.

A FEW GOOD THINGS YOU WANT.

KENTIA BELMOREANA and FORSTERIANA, special price to reduce stock. 2½-in., 8c; 3-in., 15c; 4-in., 25c; 5-in., 50c; 6-in., $1.00. 3, 4, 5-in **ARECA LUTESCENS**, 2 and 3 plants to a pot, same price. These are excellent lot of clean. cool grown plants.

BOSTON FERNS, 4c, 8c, 15c, 30c and 50c each.

DRACAENA INDIVISA, 3, 4, 5-in., 6c, 10c, 25c each.

CHINESE PRIMULA and CINERARIA fine plants, to close out 3 and 4-in., 4c and 6c each

GLADIOLUS BULBS, good mixture, $1.00 per 100.

GERANIUMS, 2-in., Bonnat, double and single Grant, La Favorite, S. A. Nutt, Atkinson, Salleroi, $3.00 per 100; Poitevine, McBurney, Kleber, John Doyle, Pauline, Riccard, Mrs. E. G. Hill, Perkins, $4.00 per 100.

CARNATIONS, rooted cuttings, Scott, McGowan, Portia, $1.00 per 100; E. Crocker G. Lord, Marquis, $1.50 per 100; Prosperity, Lawson, Queen Louise, Floriana, $5.00 per 100; Kittaling, white sport from Daybreak, $3.00 per 100.

ASPARAGUS SPRENGERI, 2-inch, $3.00 per 100; Plumosus, 3-inch, $8.00 per 100. Cash or C. O. D.

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

GERANIUMS.

Mme. Salleroi, rooted cuttings, 80c per 100; $7.50 per 1000. 2 or 2½-inch Mme. Salleroi, $1.50 per 100; $14.00 per 1000. 2½-inch S. A. Nutt, $2 25 per 100; 4-inch S. A. Nutt, $6 00 per 100. 4-in. Golden Dawn, double, best yellow, shade of red. $6.00 per 100. 5-inch Peter Burnett, double clear flesh pink, healthy, full of points for cuttings, $1.50 per doz.; $10.00 per 100. Stock plants from bench, strong healthy plants, at least 10 points for cuttings on each plant, to make room, $1.50 per doz.; $10 per 100.

Lettuce Plants from seed bed, Grand Rapids, Boston, Big Boston and other varieties, 15c per 100; $1.00 per 1000. Express paid on lettuce plants. CASH.

Des Moines Plant Co.,

38th St., DES MOINES, IOWA.

Geraniums

An assortment of twenty varieties, all good sellers and all correctly labeled. Rooted cuttings at $12 50 per 1000. Not less than 25 of one sort will be given in the same order.

JEAN VIAUD and M. De CASTELLANE, two exceptionally fine novelties from 2-inch pots, at $5 per 100 or $30 per 1000.

Albert M. Herr, Lancaster, Pa.

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FICUS ELASTICA, 6-in., $9 per doz
ARALIA SIEBOLDII, 5-in., $4 per doz; 6-in., $6 per doz.
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ASPARAGUS PLUMOSUS NANUS, from seed bench, $25 per 1000; 2 in., $4 per 100; 3 in., $8 per 100.
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" " golden	.60	4.50

	Per 100	Per 1000
Coleus, Golden Bedder	.60	4.50
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Boston Ferns Strong, bushy, well grown stock for immediate shipment.

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2¼-inch pots	$2.50	$22.00
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3 -inch pots	6.00	55.00

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For list of varieties see AMERICAN FLORIST of Nov. 9. If wanted by mail add 15c per 100. Samples by mail 25c.

☞ All the above sold on the positive guarantee of their being first-class, if not, your money at once refunded.

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I will clean them out to make room for Hydrangeas, at astonishingly low prices. Plants from 5½ to 6-inch pots, 30 inches high, 75c; 35 inches, only $1.00 each. Hurry up and get them now, as these prices are open only for a few weeks. **Azaleas Deutsche Perle** and **Simon Mardner**, in bud and bloom, 5-in pots, 40c. **Dracæna Bruanli**, 6-in. pots, 25 inches high, fine bushy plants, only 50c; worth double that. Cash with order please.

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For Price List see AMERICAN FLORIST Oct. 19, page 403.

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The long continued drought is at last broken and the much wanted rains have set in for good, making the prospects for business very bright. Not that there are any complaints of poor business; on the contrary it is as good as could be wished, but stock is exceedingly scarce, which shows that with continued cold weather there is room for many more greenhouses Since glass has made a big drop here lately, there will be plenty of growers to take advantage of it. Prices for cut-flowers are still the same as at previous reports. Bulbous stock is now plentiful and good prices are realized. Tulips bring up to 50 cents per dozen and narcissi 50 cents per hundred. Adiantum cuneatum is still very scarce and wild maidenhair takes its place.

The committees of our two horticultural societies have held a meeting and reached an agreement as to a combined flower show to be held in the beginning of May. The exhibition will be held in the Ferry building and will be the largest and best ever held on the coast. A long list of prizes has been made up and will be published as soon as complete.

GOLDEN GATE.

LONDON, ONT.—Mrs. F. Dicks, wife of the well known florist at Askin, is dead.

BROCKTON, MASS.—A proposition to purchase the property known as the Goddard lot, comprising eight acres, for a public park is receiving enthusiastic public support. The land is situated in the heart of the residential section of the city.

YOUNGSTOWN, O.—E. Hippard reports an unusual demand for catalogues and quotations. He has already booked orders for 5,000 feet of his duplex iron gutters, to be delivered in April and May. The ventilator business this year is expected to beat all records.

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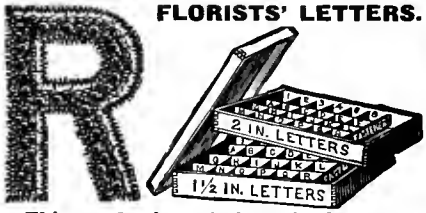

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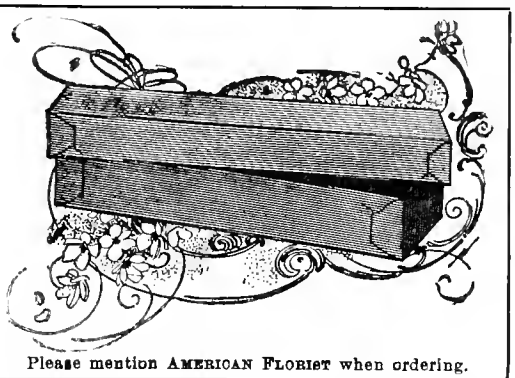

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Washington.

ELABORATE DECORATION FOR A WEDDING. —COLD MAKES PLANT MOVING DIFFICULT.

Trade has been very good, notwithstanding the continued cold weather, which has added to the difficulty of handling large plants for decorations at receptions and weddings. J. H. Small & Sons had the Hay-Whitney wedding decorations, which were the grandest and most elaborate ever seen in Washington. The house was handsomely dressed with palms, large white lilacs and a number of large vases of extra fine Bride roses. The Church of the Covenant, where the ceremony took place, was decorated with large palms, southern smilax and about 7,000 Harrisii and longiflorum lilies. The bride carried an English shower-bouquet of white orchids and roses.

George E. Smith, whose greenhouses are out on the Bowen road, died January 28, of pneumonia. He was 43 years of age. P. G.

Springfield, Mass.

TRADE BRISK, STOCK PLENTIFUL, BUT LITTLE GOING TO WASTE—VARIOUS ITEMS.

There has been a good demand the past two weeks for stock of all kinds, roses, carnations and violets being the leaders, bulbous stock moving slowly, except LaReine tulips, which can be used for most any work. February 7 the Charity Ball created a brisk demand for violets, which were plentiful but none going to waste. Lilacs, spiræa, rhododendrons and lilies look promising for Easter. The latter, I am sorry to say, are badly diseased again this year and quite a number are being thrown out.

Fairfield is showing some fine cyclamens, adiantums and palms in his State street store.

Schlatter & Son say business is good in plants, of which they have a good stock at their greenhouses.

L. D. Robinson reports business good and stock coming along nicely for Easter. A. B.

GRAND RAPIDS, MICH.—The Grand Rapids Violet Company has done so well on Beauties this year that violets will be largely replaced by this flower next season.

GREENS FARMS, CONN.—Geo. Whitehead is busily engaged in rebuilding the greenhouses recently destroyed by fire and hopes to have everything in complete running order again soon.

HURON, O.—J. P. Esch is temporarily out of business, his greenhouses having been destroyed by fire on January 12. He is spending the winter in Florida but will come home to rebuild as soon as spring opens.

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Pots	Price per crate	Pots	Price per crate
1500 2-in.,	in crate, $4.88	120 7-in.,	in crate, $4.20
1500 2¼ "	5.25	60 8 "	3.00
1500 2½ "	6.00	48 9 "	3.60
1000 3 "	5.00	48 10 "	4.80
800 3½ "	5.80	24 11 "	3.60
500 4 "	4.50	24 12 "	4.80
320 5 "	4 51	12 14 "	4.80
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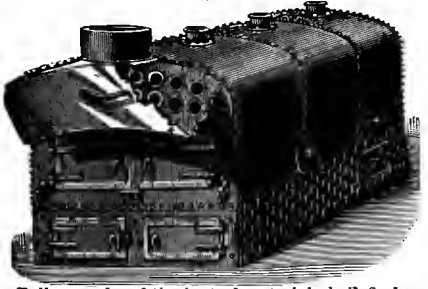

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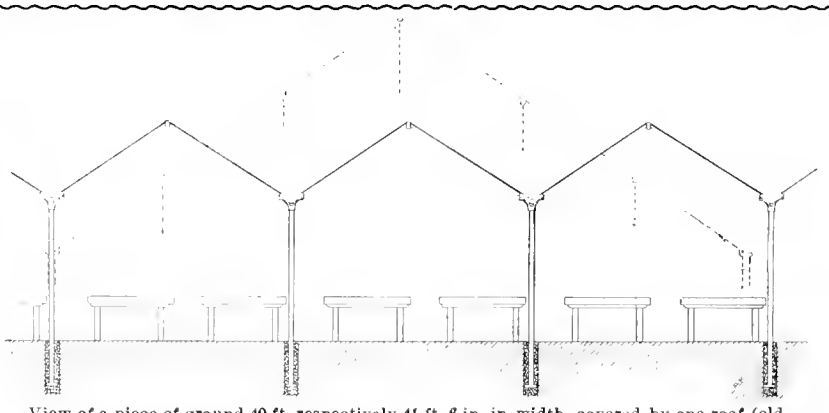

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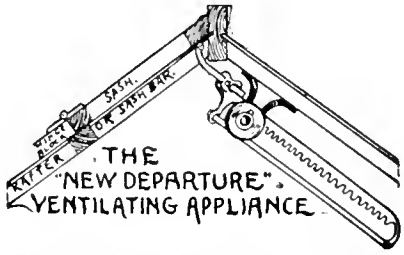

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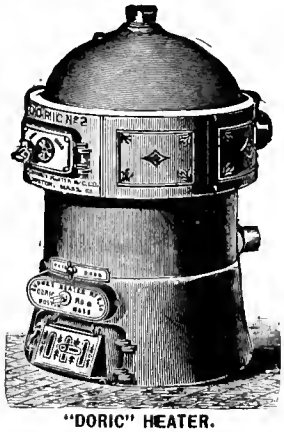

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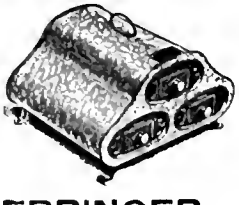

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Vol. XVIII. **CHICAGO AND NEW YORK, FEBRUARY 22, 1902.** **No. 716.**

THE AMERICAN FLORIST

SEVENTEENTH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—JOHN BURTON, Philadelphia, Pa., president J. W. C. DEAKE, Asheville, N. C., vice-president, WM. J. STEWART, 79 Milk Street, Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The eighteenth annual meeting will be held at Asheville, N. C., August, 1902.

AMERICAN ROSE SOCIETY.

Annual meeting at New York, March 11-13, 1902, LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Indianapolis, February, 19 and 20, 1902. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Asheville, N. C., August, 1902. Edwin Lonsdale, Chestnut Hill, Pa., Sec'y.

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AMERICAN CARNATION SOCIETY.

ELEVENTH ANNUAL MEETING, INDIANAPOLIS, IND., FEB. 19 and 20, 1902.

The eleventh annual meeting of the American Carnation Society, held at Indianapolis, February 19 and 20, must be recorded as by far the most successful in the history of the organization. The Society of Indiana Florists, under the auspices of which the meeting was held, made excellent preparations for it. The German House proved to be an ideal place for the exhibition and meetings.

PRESIDENT-ELECT C. W. WARD.

It is true, perhaps, that had all the carnations sent to Indianapolis for exhibition and competition been staged, the hall would have been pretty well crowded, but those exhibitors whose stock arrived late placed only a few of their carnations on the tables.

It was again most unfortunate that the exhibits of some of the leading growers were detained on the way, owing to storms and other causes. Among those thus delayed were Peter Fisher, of Ellis, Mass.; Wm. Nicholson, Framingham, Mass.; Chicago Carnation Company, Joliet, Ill., and during the meeting a message was received from John N. May, Summit, N. J., to the effect that his exhibits could not be shipped on account of the storm. It is probable that many others from the east would have attended but for the storm which raged early in the week. We failed to notice a single representative from Philadelphia, no doubt due to this cause. The Boston delegation was held up at Cleveland for sixteen hours and that from Buffalo did not arrive until late in the afternoon of the opening day.

With the exception of these drawbacks, however, the meeting was the most successful of the kind ever held. The exhibits generally were of higher quality than heretofore and the unusually large and representative attendance of persons in the trade afforded ample evidence of the deep interest which is taken in the affairs of this society. The exhibition hall was handsomely decorated and well arranged for the convenience of exhibitors and the public. The wild smilax used in decorative work was generously donated for the occasion by Caldwell, the Woodsman Company, of Evergreen, Ala. Promptly at 1 o'clock on the opening day the entries were closed and soon after the judges were at work on the various classes. In the evening the hall was open to the general public, but though no admission fee was asked, those outside the trade who wished to see the display had to present one of the admission tickets which were freely distributed by the members of the local society. The hall was filled by such visitors in the evening, also on the following day.

It was understood that the largest shipment of flowers made for the occasion was that of Bassett & Washburn, of Chicago, but although this firm was a heavy prize-winner, the greater part of the shipment was donated to the flower booth for the benefit of the local society. The greatest interest, perhaps, centered in the award of the Lawson gold medal, for the best 100 blooms of any variety, and the S. A. F. silver and bronze medals, for the best unintroduced seedlings. The Lawson medal and the S. A. F. silver medal were awarded to the E. G. Hill Company, of Richmond, Ind., for Adonis, and the S. A. F. bronze medal awarded to

Richard Witterstaetter, for his seedling No. 723. It should be stated here that the E. G. Hill Company generously requested the permission of the society to transfer the Lawson medal to Richard Witterstaetter, of Cincinnati, O., the originator of Adonis, and this action was heartily endorsed. A full list of the awards will be found elsewhere in this issue.

In the absence of President Wm. G. Bertermann, unhappily due to ill-health, Vice-President Fred H. Lemon called the meeting to order for the opening session, February 19, at 11:15 a. m. The principal business of this meeting was the selection of judges, which resulted as follows: On certificates—C. W. Ward, Queens, N. Y; Adam Graham, Cleveland, O.; Emil Buettner, Chicago, Ills. On classes A, B and C—Eugene Dailledouze, Flatbush, N. Y.; Paul M. Pierson, Scarborough, N. Y.; W. N. Rudd, Mt. Greenwood, Ill. On special premiums—Ernst Asmus, West Hoboken, N. J.; Fred Burki, Bellevue, Pa; A. Herrington, Madison, N. J. There was some discussion with reference to placing in competition shipments of stock which arrived late, but the society decided to adhere to the rules and close the entries at 1 o'clock.

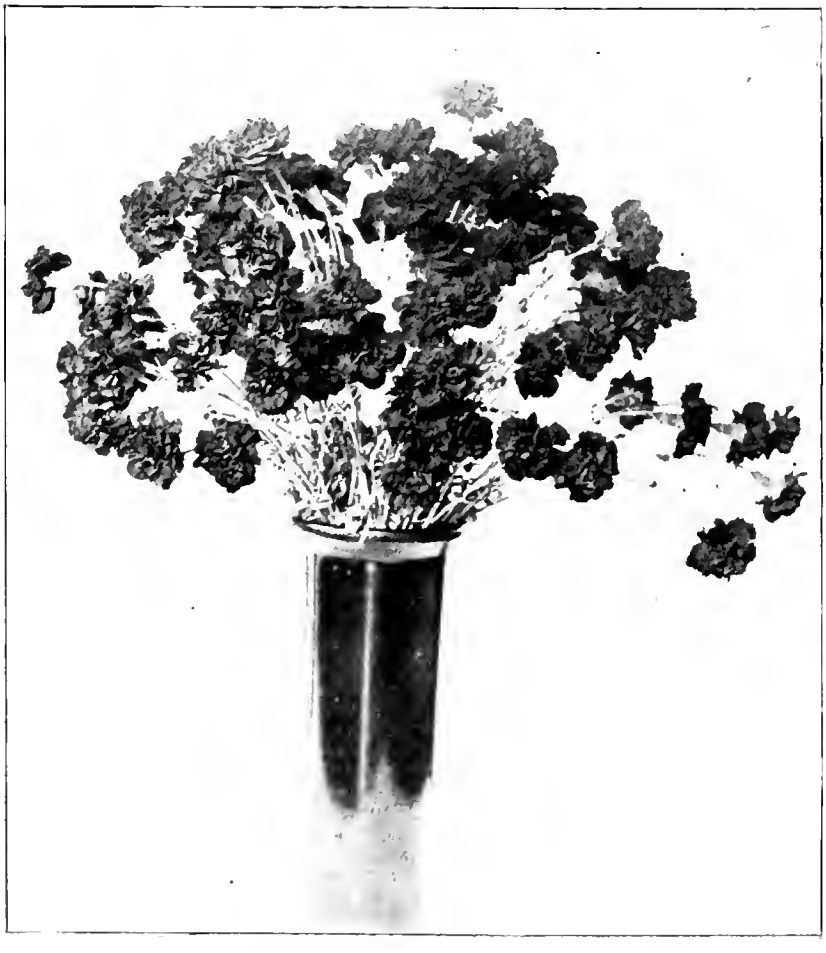
At the afternoon session, called to order at 2:15 o'clock, Mayor Bookwalter cordially welcomed the visitors and humorously presented them with the freedom of the city. Mrs. Vesey, of Fort Wayne, spoke for Indiana, and C. W. Ward responded in suitable terms. Vice-President Lemon then read the address of President Bertermann, and after a few remarks, J. S. Stuart and Lewis Ullrich were appointed to forward a suitable reply. The reports of the secretary and treasurer followed and were adopted. There was some discussion in regard to retaining the society's badge, but it was ultimately decided to continue it. E. G. Gillett's paper, "Criticism of Growers' Methods," was next read and the discussion of same deferred. The report of the committee on incorporation was then presented, but the vote on the matter was postponed until the following day.

At the evening session there was some discussion of Mr. Gillett's paper and that on "Sterilized Soil for Stem-rot" was read by Wallace R. Pierson. In reply to queries brought out by this paper, it was stated that there was a marked difference in the flowers produced on sterilized and unsterilized soil, in favor of the former, that sterilizing would deprive the soil of all bacteria and red spider and that the cost of sterilizing soil for a house 16x300 feet would be about $25. The report of the judges was adopted as read. The next business was the nomination of officers and place of meeting for next year. Brooklyn was nominated for the place of meeting, the Detroit representatives, who had been making some effort to secure it for their city, withdrawing in favor of the former. C. W. Ward, Queens, N. Y., was nominated for president; Henry Dailledouze, Flatbush, N. Y., vice-president; Albert M. Herr, Lancaster, Pa., secretary; Fred. Dorner, Jr., Lafayette, Ind., treasurer.

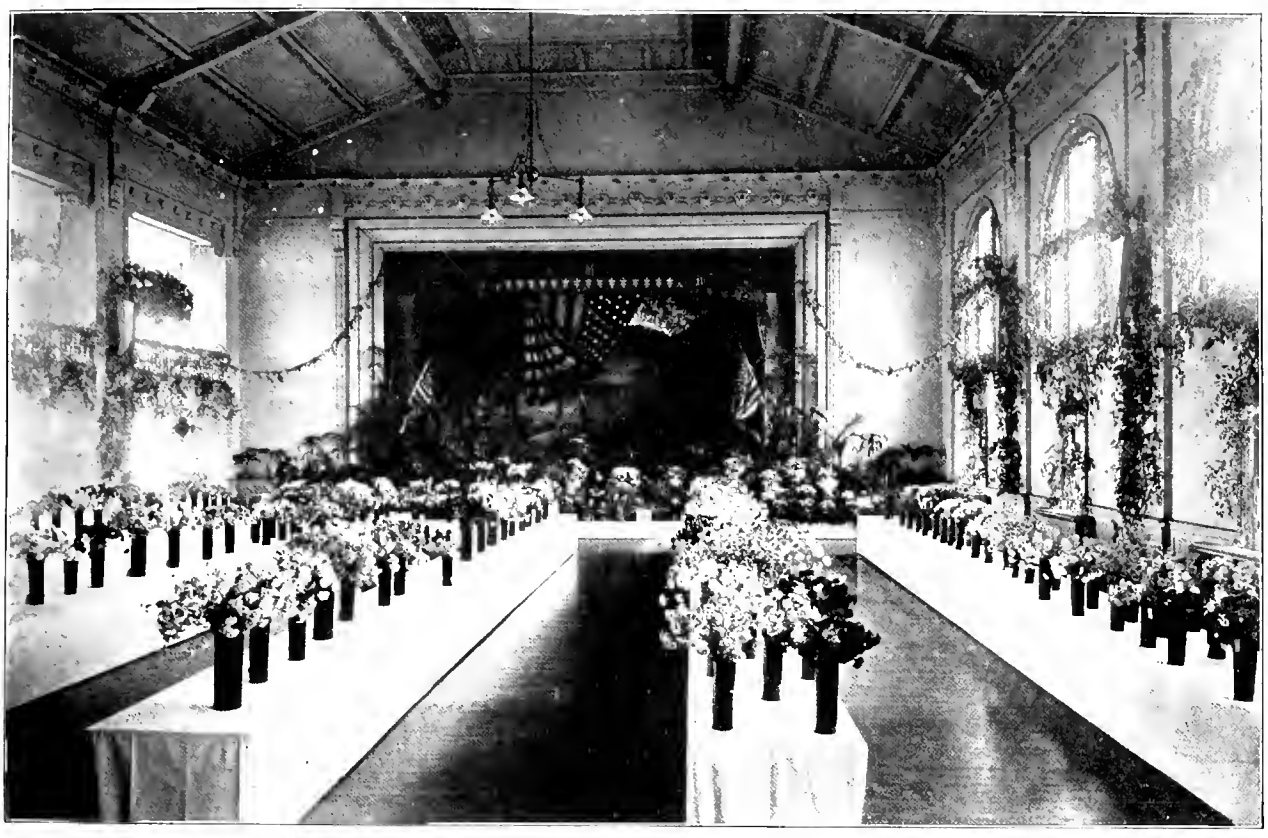
The morning session of February 20 proved to be the concluding one of the meeting. Brooklyn was chosen as the place of meeting next year and the officers nominated the previous day elected. The judges, in their report, made certain recommendations, which were concurred in by the society and referred to the executive committee for action. Wm. Scott, Wm. Nicholson and Wm. K. Partridge were appointed to prepare a premium list for next year. C. W. Ward lead the discussion on sub-watering in a humorous manner. He expressed his willingness to answer any questions on the subject, and in reply to one member, said that sub-watering would be profitable to the ordinary grower if the man had capital enough and brains enough to run it. Replying to another query, he gave the cost of sub-watering at from $1 50 to $3 per running foot, according to the brains and experience used in building the benches, adding that it required all the brains that could be got into one cranium. It was his opinion that a great advantage was gained from sub-watering and he briefly described the plans and material used in the construction of his benches, which are familiar to our readers, generally. Under the same conditions sub-watering proved to be one-third better in quantity and one-fourth better in quality than surface watering and the stems obtained under sub-watering are from four to six inches longer. One of his experiments consisted of taking a group of the poorest plants and a group of the best, in which the poorest, under the sub-watering system, soon excelled the best treated by surface watering. He claimed that the bricks used in sub-watering were beneficial to the extent that they held the heat and moisture longer than any wooden trough and that by this method the soil does not become so hard as in surface watering. He concluded by stating that his experiments in this line had extended over a period of three years, and that while he was not yet able to give out anything definite with regard to the success of sub-watering, he was well pleased with the results thus far achieved.

The discussion here turned on the artificial fertilizers used by Mr. Ward. In this connection he stated that he had used phosphoric acid, nitrate of soda and potash in the ratio of ten, twenty and thirty, dissolved in water, one-half to one ounce to the gallon. This solution was used in the benches about once a week He also stated that he had used these ingredients in different proportions with nearly the same results, but stated that his experiments in this direction had been interrupted by being called from his place of business and that he did not care to leave the work in the hands of someone else. Replying to a question with regard to the value of manure as compared with artificial fertilizers, he stated that there was practically no difference. In some localities, however, he thought it would be advantageous to use the manure for the reason that it can be purchased cheaper.

The subject of incorporation was again taken up and it was resolved to at once file articles of incorporation under the laws of the state of New York. In order to do this, it was necessary to increase the executive committee to nine, by adding the officers and two new names. The two new names added to the list were those of Judge Vesey and Eugene Dailledouze. It was further resolved that the articles of incorporation and by-laws be printed and a copy forwarded to each member of the society at least thirty days before the next annual meeting.



HILL'S VASE OF CARNATION ADONIS.
(Awarded the Lawson Gold Medal.)



GENERAL VIEW OF THE EXHIBITION HALL, CARNATION CONVENTION, INDIANAPOLIS, FEBRUARY 19 AND 20, 1902.

J. S. Stuart brought up the question of adopting the carnation as the national floral emblem of the United States of America. The society voted for its adoption and a committee, consisting of J. S. Stuart, E. G. Gillett and E. G. Hill was appointed to promote its claims. The meeting then adjourned.

The banquet tendered the visitors by the Society of Indiana Florists at the Grand Hotel on the evening of February 20 was a very elaborate and tasteful affair. Considerably over 200 persons participated and there were many ladies present. When the coffee had been served, Toastmaster Hill called upon J. A. E. Haugh, who responded to the toast, "The Indiana Florists;" William Scott spoke for "The Society of American Florists"; Fred H. Lemon, "The American Carnation Society;" J. A. Valentine had "A Message from the Rockies"; C. W. Ward, "Fellowship of Florists;" L. E. Marquisee, "The Carnation of the Future"; A. Herrington, "The Chrysanthemum"; John Thorpe, "Kansas City Flower Show"; E. G. Gillett, "Indiana"; J. D. Carmody, "As Usual." E. G. Hill spoke with much feeling on the absence of President Bertermann, stating that he had supervised most of the arrangements for the entire meeting, but was at the last moment compelled to seek a more genial climate on account of his poor health. The festivities continued until about 2 a. m. It was unfortunate that many had to leave on the early trains, and thus missed a rich feast of eloquence.

Convention Notes.

The Philadelphia contingent was represented only by John Walker, now at at Youngstown, O., who has really been away from Philadelphia nearly two years. The boys were greatly missed.

A number of the western delegates remained over Friday and Saturday, and visited the big growers at various Indiana points.

The Old Guard made but a wavering line, with Craig, May, Lonsdale, Burton, Kitt and Stewart absent.

As usual, there was considerable interchange of good ideas after and between the society meetings.

The excellent bowling alleys at the German House were much appreciated by the visitors.

Fritz Bahr and Anton Then made fun enough for all the crowd all the time.

Judge Vesey has a quiet way of doing things that is very effective.

The Hoosiers have cut out a stiff pace for the Brooklynites.

The chrysanthemum society is looking up.

We'll come again, "Injeanny," soon.

President's Address.

President Wm. G. Bertermann was unable to be present, being in New Mexico for his health, but he prepared an address to the society, which was read by Vice-President Fred. H. Lemon. It was as follows:

Again we are assembled, this being the eleventh annual meeting of this progressive society. As there is much business of importance before us to be taken care of, your president will confine himself to a few thoughts as they have occurred to him.

The Indiana boys are happy to have you all with them in the great carnation belt, in the region where the best blood of the carnation of to-day originated. When you met with us some years ago, a start had been made; but that meeting helped to make our growers further progressive in the line of new seedlings and new varieties worthy of trial by anyone. Since then carnations have grown right along in quality, and it is wonderful how the public has gradually taken up the demand for strictly fine flowers. However, carnation flowers of all kinds, depending on the location, are in favor with everybody. While at times the immense glut on the principal markets is somewhat discouraging, however, these times are of short duration; and a remedy—who will find it?

Speaking of strictly first-class, fine flowers, they are with us, but is it not a mistake to also bring up the prices to a fabulous sum during favorable times? While the retailer wants the best, and is willing to pay a top price, however, there should be a limit.

This society and florists' clubs all over the country have done much to popularize the divine flower in holding free exhibitions, special exhibitions, and so forth, and much more can be done in that direction. A noticeable fact and one of satisfaction, were the select and splendid displays of carnation blooms at several of the fall exhibitions. Was it the favorable weather during previous months, or are carnation plants taking a firmer hold than formerly?

Right here let us consider varieties doing well in one section of the country while in another they are nearly a failure. Could a division be made, trials fixed at different points?

There is much growing demand for summer carnation flowers. Some growers should satisfy the demands of retailers in this respect. Some experiments with incandescent lights for growing carnations at night have been made successfully, but would it justify the means to grow under artificial lights in times of scarcity of cut blooms?

The Society of Indiana Florists, during last fall's great chrysanthemum show and floral festival, adopted resolutions recommending that the carnation be

adopted by this society as the national flower. A grand speech given by the Hon. John L. Griffith, of Indianapolis, during one evening of the exhibition, showed the public to be in full sympathy with the movement. There is very much in favor of such a move; everything is in favor of our divine flower being placed on the national pedestal. A free discussion is desired, and everyone should be prepared to say something when the time comes.

While you are deliberating over the many interests of our sturdy young society, do not forget the sociabilities. Many are against too much sociability, but your president, for one, would like to see everyone enjoy himself on his short vacation from home. The boys of Indiana will give you both work and play.

Secretary's Report.

Your secretary reports having issued the proceedings in due time, the preliminary premium list in July, the regular premium list in January and several circulars during the year, all of which have been mailed to every paid up member of the society, no one ever being omitted.

The question of the permanent fund involves considerable begging on the part of the secretary and is something of a nuisance. If we could decide on a certain amount, raise it, and be done with it, outside of the life membership money, it would be better all around. The interest from this money should be placed in the working fund of the society, as our expenses are increasing every year and the annual dues of $2 from some 200 members do not reach far in paying a stenographer, the printing of the reports, the expenses of the exhibition and one hundred and one little items. We have been helped out considerably by the advertising in the premium list and the members should patronize these advertisers whenever possible.

Our badges and recognition cards, as now conducted, are an annual expense of some $30. The society should take into consideration the benefits derived and decide if we shall continue as we have started.

The labels are rather crude affairs, being the result of some of your secretary's economizing. We should have a neat, uniform label, easily attached, and furnish them to intending exhibitors in such numbers as they may need and let the exhibitor have the names printed or type-written on.

If entries were made in good time this could easily be attended to by your secretary, but at this date, February 13, there are three entries in the hands of your secretary and only one of these gives the names wanted for labels, the others do not. February 15 is given in the premium list as the latest day for entries to reach the secretary. The same notice was inserted in the circular sent with your badge and in each of the trade papers so that there is no excuse for piling up all the work on your secretary for the last two days before the meeting and expecting to have it properly attended to.

All entries received on February 16 and 17 that do not show by the postmark on the envelope that they were mailed in time to reach me February 15 will be charged $1 for each entry, according to rules and if the society thinks this too stringent they can rescind this rule and reimburse those who have paid.

Interest in the society is steadily on the increase and our membership is growing in a good, healthy manner, so that we can congratulate ourselves on the standing of our society to-day.

Treasurer's Report.

RECEIPTS.

Balance Feb. 18, 1901	$ 115.03
Dues, etc.	628.55
Permanent fund, Feb. 18, 1901	900.00
Receipts, permanent fund	750.00
Total	$2,393.58

EXPENDITURES.

Premiums, printing, etc.	$ 790.97
Certificate of deposit	1,230.00
Note	100.00
Cash in bank	272.61
Total	$2,393.58

FRED. DORNER, JR., Treas.

Report of the Judges.

The awards made at the meeting were as follows:

CLASS A—ONE HUNDRED BLOOMS.

White—H. Weber & Sons, Oakland, Md., second, with Norway; first withheld.

Light pink—R. Witterstaetter, Cincinnati, O., first, with Enquirer; E. G. Hill Company, Richmond, Ind.; second, with Cressbrook.

Dark pink—Bassett & Washburn, Chicago, Ill., first, with Mrs. Lawson; second, H. W. Buckbee, Rockford, Ill., with same variety.

Scarlet — Bassett & Washburn, first, with Chicago (Red Bradt); second, J. A. Peterson, Cincinnati, O., with Estelle.

Crimson—E. G. Hill Company, first with Gov. Roosevelt; second, Bassett & Washburn, with Gen. Maceo.

White, variegated—E. G. Hill Company, first, with Gaiety; second, Bassett & Washburn, with Mrs. Bradt.

Yellow, variegated—Bassett & Washburn first, with Gold Nugget.

Any other color—Bassett & Washburn, first, with Prosperity.

CLASS B—FIFTY BLOOMS.

White—E. G. Hill Company, second, with Flora Hill; first withheld.

Light Pink—E. T. Grave, Richmond, Ind., first, with The Marquis.

Dark pink—Stuart & Haugh, Anderson, Ind., first, with Mrs. Lawson; E. G. Hill Company, second, same variety.

Scarlet—R. Witterstaetter, first, with Estelle; E. G. Hill Company, second, with same variety.

Crimson—No good entry.

White, variegated—E. G. Hill Company, first, with Mrs Bradt; Wm. K. Partridge, Lockland, O., second, same variety.

Yellow, variegated—No exhibit.

Any other color—No good entry.

CARNATION ALBA.

E. GURNEY HILL.

WALLACE R. PIERSON.

E. G. GILLETT.

THREE OF THE PROMINENT FIGURES AT THE INDIANAPOLIS CARNATION MEETING.

CLASS C—TWENTY-FIVE BLOOMS.

White—E. G. Hill Company, second, with Lorna; first prize withheld.

Light pink—No exhibit.

Dark pink—Stuart & Haugh, first, with Mrs. Lawson, no second.

Scarlet—No entry.

Crimson—E. G. Hill Company, first, with Gov. Roosevelt; no second.

White variegated—N. A. Benson, Petersburg, Col., first, with Prosperity; no second.

Yellow variegated—E. G. Hill Company, first, with Golden Beauty; no second.

Any other color—Bassett & Washburn, second, with Prosperity; no first.

SPECIAL PREMIUMS—CLASS D.

E. T. Grave prize, $15, for best fifty blooms of Dorothy—E. G. Hill Company; second prize, $10, not awarded.

E. G. Hill Company prize, $15, for best fifty blooms of Ethel Crocker—Wm. K. Partridge; second prize, $10, not awarded.

CLASS E.

Wm. A. Procter's silver vase, value $100, for best separate collection of commercial varieties, Wm. K. Partridge.

J. M. McCullough's Sons' silver vase, value $25, for the best twenty vases of commericial varieties, Wm. K. Partridge.

Garrett premiums, for the best fifty blooms of any variety not in commerce—E. G. Hill Company, first ($30), with Adonis; E. T. Grave, second ($20), with Camelliæflora.

Lawson gold medal, for best 100 blooms, any variety—E. G. Hill Company, with Adonis.

S. A. F. silver and bronze medals for seedlings not yet introduced—E. G. Hill Company, first, with Adonis; R. Witterstaetter, second, with No. 723.

CERTIFICATES.

Note—Any variety entered for certificate of merit or preliminary certificate must score 85 points to secure either award.

Preliminary certificate—Geo. W. Smith, Cleveland, O., No. 11-98, score 78 points.

Certificate of merit—John B. Goetz, Saginaw, Mich., Oriole, 74 points.

Daybreak Perfection, Boehringer Bros., Bay City, Mich., 74 points.

Louise Naumann, G. M. Naumann, Cleveland, O., 60 points.

Empire State, L. E. Marquisee, Syracuse, N. Y., 87 points.

Mrs. Potter Palmer, Chicago Carnation Company, Joliet, Ill., 85 points.

Mrs. H. N. Higinbotham, Chicago Carnation Company, 86 points.

No. 101 (white seedling), Chicago Carnation Company, 85 points.

MISCELLANEOUS EXHIBITS.

Highly commended: Fine exhibit of new carnations in great variety, from F. Dorner & Sons Co., La Fayette, Ind.; artistically arranged exhibits of well-grown flowers and plants from Bertermann Bros., A. Wiegand & Son, and H. W. Rieman, all of Indianapolis; well-grown Dutch hyacinths from E. Huckriede & Son, Indianapolis; florists' boxes from J. W. Sefton Mfg. Co., Anderson, Ind.

Honorable mention: Elma, Ethel Crocker and seedling carnations from Baur & Smith, Indianapolis; roses and Mrs. E. A. Nelson carnations, from E. A. Nelson, Indianapolis; Mrs. Lawson carnations from W. J. & M. S. Vesey, Ft. Wayne, Ind.; Ethel Crocker, Jubilee and large collection of good seedling carnations from J. Hartje, Indianapolis; large display of florists' supplies, fancy boxes, ribbons, etc., from E. H. Hunt, Chicago; wire plant stands from the Excelsior Wire Works, Indianapolis.

Other exhibitors of miscellanies included D. B. Long, Buffalo, N. Y., shipping labels, florists' souvenirs, etc; Anders Rasmussen, New Albany, Ind., greenhouse ventilator; E. Hippard, Youngstown, O., greenhouse gutter; G. M. Garland, Des Plaines, Ills., greenhouse gutter; Wm. Sim, Cliftondale, Mass., fine Princess of Wales violets; L. H. Foster, Dorchester, Mass., fronds of his variety of the Boston fern; John G. Heinl & Co., Terre Haute, Ind., white lilacs.

RECOMMENDATIONS.

1. That there should be a superintendent of exhibition.

2. That all exhibits should be staged by classes, as such arrangement greatly facilitates the work of the judges and renders error or omission less likely to occur.

3. That regular exhibition cards should be used, same to be enclosed in envelopes.

Those Present.

The following are the names of those who registered at the carnation meeting: the list does not include all those present:

Geo. S. Bartlett, Fred. Gear, Frank Huntsman, Frank Deller, R. Witterstaetter, H. W. Whittier, E. G. Gillett, J. A. Peterson and family, Ben. George, A. F. Hoffmeister, Albert Sunderbruch, J. B. Allan, F. W. Ball, W. H. Procter, Thos. Shipley, Wm. Murphy, Sam. Kuhn and J. W. Rogers, Cincinnati; G. M. Naumann, Geo. Smith, Isaac Kennedy, F. R. Williams, H. A. Hart, Adam Graham, S. N. Pentecost and Gurney Bate, Cleveland; John Merkel, Mentor, O.; Philip Hagenburger and Carl Hagenburger, West Mentor; J. R. Goldman, Middletown; R. Sinclair and S. F. Stephens, Columbus; H. Reeser, John Good and C. L. Reese and wife, Springfield; H. P. Smith, Piqua; Lewis Ullrich, Tiffin; Geo. W. Loeber and W. K. Partridge, Lockland; Wm. Jackson, Glendale; J. D. Imlay, Zanesville; E. Hippard and John Walker, Youngstown; Leroy Lamborn, Alliance; W. G. Matthews, J. B. Heiss, Philip Haas and H. M. Altick, Dayton.

E. C. Amling, J. C. Vaughan, C. L. Washburn, Wm. Trillow, Chas. Schweigert, P. J. Hauswirth and wife, A. M. Hills, Edgar Sanders, L. Coatsworth, John Thorpe, F. F. Benthey, Emil Buettner, E. A. Kanst, J. S. Wilson, C. A. Samuelson, W. L. Palinsky, M. Barker, H. Wietor, G. H. Pieser, W. N. Rudd, Anton Then, W. L. Kroeschell, A. L. Vaughan, H. T. Harman, Andrew Benson, Adam Zender, Chicago; Geo. Weiland, Evanston, Ill.; Swan Peterson, Gibson City; C. W. Johnson, Rockford; W. G. Earle, Park Ridge; Geo. A. Washburn, Bloomington; Geo. M. Garland, DesPlaines; A. C. Brown, Springfield; Fritz. Bahr, Highland Park; Etta J. Nott, Charleston; Harry Heinl, Jacksonville; Jas. Hartshorne, Frank Fischer, J. D. Thompson and Geo. M. Cobb, Jollet; Geo. A. Kuhl, Pekin; John Willus, Danville.

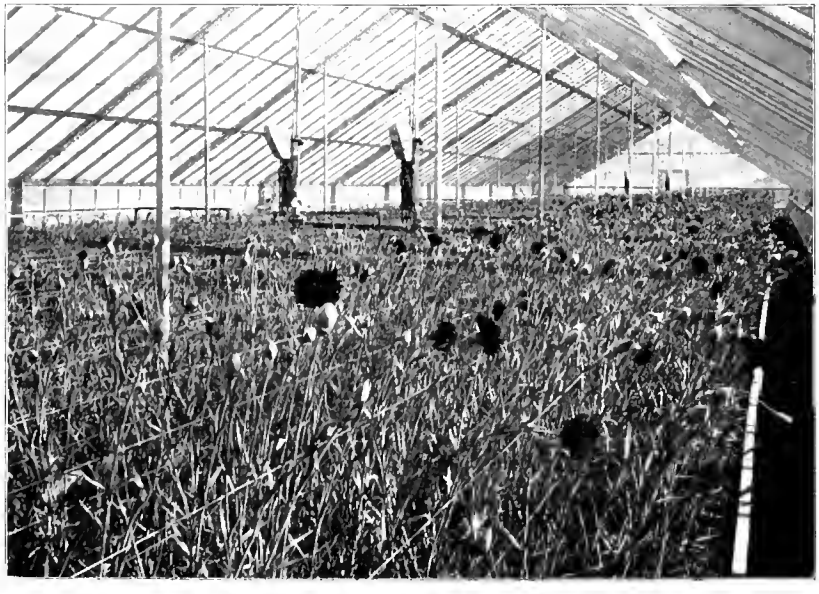
Fred. Lemon, Chas. Knopf, Vernon Grave, B. H. Schroeder, H. Chessman, J.

A. Evans, E. A. Fulle, J. H. Fulle and H. W. Sheppard, Richmond, Ind.; J. D. Carmody, Evansville; Dillon Myers, Bluffton; W. W. Coles, Kokomo; M. A. Barick, Seymour; W. H. Woerner, Elwood; C. C. Harold, Noblesville; Mrs. S. M. Byers and Mrs. W. W. Ackens, Franklin; F. E. Dorner and wife and F. Dorner, Sr., Lafayette; W. J. and M. S. Vesey, Fort Wayne; Myer Heller, L. A. Jennings and P. Weiland, New Castle; Albert Rott, Bloomington; A. C. Anderson, Tipton; E. C. Bissell, Marion; S. Humfeld and M. Carnes, Muncie; A. Rasmussen, New Albany; J. S. Stuart and J. A. E. Haugh, Anderson; W. F. Shaw, Shelbyville; E. M. Ginquick, South Bend, Geo. T. Heinl and F. G. Heinl, Terre Haute.

Geo. H Rackham, J. F. Sullivan, E. L. Beard, Gus. Taepke, T. F. Brown, Hugo Schroeter, Wm. Dilger, Detroit; Geo. F. Crabb, Wilfred Hannah, G. A. Hannah, Henry Smith, Grand Rapids; Elmer D. Smith, Adrian, Mich.; Jno. Carey and Robert Klagge, Mt. Clemens; Albert Boehringer, Bay City; H. W. G. Goetz, Saginaw, A. M. York, Hancock.

C. S. Weaver, M. Reukauf, S. S. Skidelsky, Philadelphia; S. Alfred Baur, Erie, Pa.; John Bell, Franklin; Ben. L. Elliott, Cheswick; H. L. Blind and Fred. Hinkle, West View; E. McConnell, Sharon; A. M. Herr, Lancaster; J. W. Fredericks, Pittsburg; J. B. Swayne, Kennett Square; Fred. Burki, Bellevue; John L. Wyland, DeHaven.

William F. Kasting, wife and baby, D. B. Long, William Scott, Miss O'Hara, Buffalo; C. T. Guenther, Hamburg, N. Y., L. E. Marquisee, Syracuse; T. J. Totten and T. J. Totten, Jr., Saratoga; P. M. Pierson, Scarborough; C. W. Ward, Queens; Alex. Wallace, J. Begbie, New York city; C. H. Roney, Jamestown; A. Herrington, Madison, N. J.; E G. Asmus, West Hoboken.



HOUSE OF CARNATION HARRY FENN AT THE COTTAGE GARDENS, QUEENS, N. Y.

Jacob Schulz, August Baumer, C. W. Kunzman, J. Coenen, J. J. Wunderlic, Wm. Mann, Victor Mathias, Adam Hertz, Henry Fuchs, Louisville; T. L. Metcalf, Hopkinsville, Ky.; Thos. Windram, Fort Thomas; S. M. Harbison, Danville.

Frank M. Ellis, Mr. and Mrs. H. G. Berning, St. Louis; Geo. M. Kellogg, Pleasant Hill, Mo.; J. C. Rennison, Sioux City, Ia.; W. E. Kemble, Oskaloosa.

Wm. Clark, Colorado Springs, Col.; J. A. Valentine, Denver; Chas. P. Dudley, Parkersburg, Va; W. R. Pierson, Cromwell, Conn.; Alex. Montgomery, Jr., Natick, Mass.; W. Sims, Cliftondale; E. N. Pierce, Waltham; Wm. Nicholson and Mrs. Nicholson Framingham; T. C. Joy, Nashville, Tenn.; Nic. Zweifel, Milwaukee, Wis.; Henry Weber and Wm. Weber, Oakland, Md.

Walter Muston and John H. Dunlop, Toronto, Ont.; Wm. Gammage, London; Ed. Dale, Brampton.

B. D. Kapteyn, Sassenheim, Holland; John Schleepers and L. Van Leuwen, Hillegom.

Criticism of Growers' Methods.

BY E. G. GILLETT, OF CINCINNATI.

When Willis N. Rudd suggested that I prepare a paper upon this subject he also guaranteed to fight all my battles should I tread a little heavy upon any grower's toes. So if their is any "kick coming" when I get through, just kick Brother Rudd.

Growers' methods are divided into classes, large, medium and small. Growers themselves are divided into the same number of classes. The larger class are those who are backed by sufficient money to have all the needful appliances to conduct the business on a paying basis. If he is not a grower himself, he has money enough to buy the brains of someone who does know the latest and best methods of growing flowers, and money enough to employ help to take care of the plants while growing. The medium grower generally has to rely upon his own resources, with what help he is able to hire, and the small grower follows suit.

We are all working to the same end, the almighty dollar, but how to get that almighty dollar has been a great stumbling block to many of us. Many dollars are lost yearly by growers who do not understand the best method to pursue after they have grown their flowers ready for market. Of course, the first thing one must do is to consign his flowers to a commission house to sell, and in order to make money he must make his shipments regularly, and he must stand by his commission man through the gluts that are bound to occur once or twice during a season, instead of hunting up some other market when, for a few weeks, his sales are not as large as he expects, and the reason he well knows.

Another and a very important fact the grower must remember, and especially is this true of carnations and roses, that after cutting they must be placed in a cool room with their stems well submerged in pots of water for at least twelve hours before they are fit to pack and ship to market. Another important fact is the grading of the flowers. More care should be taken in this, though, and especially with carnations, I know that it is a great temptation to many growers to put in "ringers." Possibly you will ask me what I mean by "ringers." It is simply this, and especially is it true of carnations: In putting carnations up in bunches of twenty-six when they are selling at $1.50, $2, $3 or $4 per hundred, if I can ring in two or three short-stemmed, inferior blooms to a bunch, see how much more money I am making, you will say to yourself!

But are you? No. Do you think for one moment that the retailer has not his eyes open? And do you think he does not go down deep into that bunch of carnations and count the "ringers"? If you think he don't, just be a commission man for awhile and see. We "poor devils" have to carry water on both shoulders, and we catch it coming and going. Gentlemen, I plead of you right here, don't put in "ringers." And especially you carnation men, give the retailer value received for his money and don't try to make him pay for something that's not worth the price. Be more careful in your grading and be sure that you put twenty-six carnations in every bunch. With the above method I will guarantee you will make more money, and there will be no cause for many now unpleasant remarks. And right here I would like to say a few words in regard to packing flowers for market.

First, don't jam their noses against the end of the box, causing them to look as though they had been in a prize fight. Second, always pack in layers from each end of the box, bringing the bulk of the stems to the center. Then cut a cross-piece, place same in the center of the box, press down firmly and fasten securely. In this way your flowers will stay just as you place them, and arrive in good condition, it matters not how roughly the express messenger handles them. Third, don't sprinkle carnations or roses after you have carefully packed them, and especially is this true of carnations, as it simply ruins them. I have received many a box of flowers that were virtually ruined by the water.

But, I believe the growers are beginning to wake up. They are using better methods. They are learning to take care of their crops after harvesting, and if they will be a little more careful in grading their stock and also in growing their flowers, it will be much better for all concerned. One more point. What grade of carnations should be grown to pay the grower, "Quality or Quantity?" You will find growers who differ on this question, but, gentlemen, let me tell you right here that the man who grows quantity of quality is the one who makes the money. All fancies will not do, because all people do not care to pay fancy prices.

All poor grade will not do, because you cannot sell them for a living profit. Then, which shall we grow? The mediums, that will wholesale at $2, $3 and $4 per hundred. These are the money-makers, the ones which will make the grower, the commission man and the retailer happy.

When on September 6 the news was flashed across the continent that the Chief Magistrate of these United States had been assassinated, there was not a man, woman or child that was not bowed in grief, and especially pained were the florists of all others. Why? Because it was this grand man who signed the charter that makes the florists of the United States a national body, but not only this, it was he who loved the carnation above all other flowers, and was the prime cause of its being adopted as a republican emblem and is now discussed as the national flower. It was the growers' methods that were the cause of all this. Had they not been progressive they would not have caused the above to be facts.

A few years ago the carnation was only an infant, but it had a father in Fred. Dorner, Sr., who, by his untiring energy, has brought the divine flower to the position in society that it holds to-day. Progress in growers' methods has placed the florists in the front ranks, and the statistics at Washington show that in the United States in 1899 $18,387,420 worth of flowers and foliage plants were raised, with 6,159 establishments, the value of which with land and buildings amounts to $50,619,866. Why should we not be proud of our profession and why should we not be proud of our growers and their good methods, which have placed us on a level with the best commercial interests of the country? But we will not stop here in our race for supremacy. We must gain more laurels. We must use the better methods that are coming up from day to day and advance the interests of floriculture as it so justly deserves.

CARNATION MRS. E. A. NELSON.

Sterilized Soil for Stem-rot.

BY WALLACE R. PIERSON, CROMWELL CONN.

Among the enemies of the carnation there is one to be more dreaded than all others and I have been asked to bring forward, for the consideration of the society, sterilization as a preventive of stem-rot. I believe this matter was discussed at the Baltimore meeting, but I find no one who has carried out a thorough test of sterilization, and, while our experiments have not been by any means as thorough as they might have been, yet their extensiveness may make them valuable and I take pleasure in bringing before you a report of our work.

It has been my good fortune, the past three years, to be associated with Dr. G. E. Stone, of the Hatch Experiment Station, of Amherst, Mass., and it is to him that I owe my interest in sterilized soil. While a student at college I followed the experiments of Dr. Stone on the cultivation of lettuce, and taking up at the same time the study of carnation diseases, I found that we are fighting a common enemy with the lettuce growers, namely, the sterile fungus rhizoctonia, which causes the so-called wet-rot of carnations. This has been described in Bulletin 186 of the Cornell Experiment Station, and no doubt this fungus is well understood. I will not attempt a description of it but I wish to quote a paragraph from that bulletin, which reads:

"This stem-rot is one of the most troublesome of the carnation diseases and probably occurs throughout the whole United States wherever the carnation is grown. Frequently entire houses of mature plants are destroyed by it. During the past autumn it appears to have been unusually prevalent. It attacks plants of all ages, both in the field and in the greenhouse, and is one of the principal causes of damping off of carnation cuttings. In greenhouse benches it spreads slowly through the soil from one plant to another, but according to our experiments never through the air, as from one bench to another. Its principal mode of dissemination is by means of affected plants and cuttings."

This fungus also attacks lettuce and Bulletin 69 of the Hatch Experiment Station treats of the attack of the fungus on lettuce in a very clear and concise manner. Comparing these two and knowing that sterilization prevented the attack on lettuce I became convinced that wet-rot of carnations could largely be prevented by the same method. There is, however, an important point to be taken into consideration, and this is that in the growing of lettuce the seed can be started in sterilized soil and the plants grown in it from seed, while with carnations the planting in the field would subject them to the attacks of the fungus and cause error in our work, even were they rooted in sterilized sand and potted in sterilized soil.

There is another rot of carnations with which we are all acquainted and this is the subject of an article by William C. Sturgis, which may be found in the Report of the Connecticut Experiment Station for 1897. This is known as dry-rot, and I again take the liberty of quoting:

"The spores of the fungus are apparently able to retain their vitality for several months and to live over winter in the earth. The fact that the disease can be transferred to sound cuttings by planting the same in soil containing vegetable matter and impregnated with the spores of the fungus indicates that the spores can thrive in such soil and thence gain access to the tissues of the plant. Consequently when the disease has been present in the greenhouse the old soil should be completely removed, the house thoroughly fumigated with sulphur and the benches refilled with fresh soil. Abundant moisture and an excess of vegetable matter in the soil afford conditions favorable to the development of the fusarium. These should be avoided as far as possible. Wherever practicable sterilizing the soil by means of steam or hot air would be effective in preventing the attacks of the fungus. In this case, diseased cuttings could be the only possible cause of contamination."

The preceding shows that we are working under difficulties and that our tests are liable to error, for I have no way of knowing what percentage of my plants were already attacked by rot when they were benched, but I will give you as accurately as I can the facts as they really are and you may judge from them whether there was sufficient gain to warrant the expense.

We have this year four houses, each 300 feet in length, devoted to carnations. These differ in width, being thirty-six, thirty, sixteen and sixteen feet respectively. The first house planted was one of the sixteen-foot houses and in this there are two benches, four feet four inches in width, running the length of the house, a cross-walk at the center dividing these, making practically four benches, each a trifle less than 150 feet in length. Let us follow the method of handling a house, and for the sake of convenience call the benches by numbers. Let us designate the right-hand benches No. 1 and No. 2 and the left-hand benches No. 3 and No. 4. The soil is wheeled in on the left-hand benches and we fill the right-hand benches as we would fill them with no reference to sterilizing, filling each bench even with soil after putting about an inch of well rotted cow manure in the bottom. We then lay our system of coils and after putting on 8-inch side boards we fill the soil for bench No. 3 and bench No. 4 into No. 1 and No. 2, or rather No. 1 and No. 2 extended, but in reverse order; that is, with the manure which is to go into the bottom of the other benches on top. This is now ready for the steam, which is gotten up and turned on by the night man, as we usually do this work at night, and when steam at a pressure of from thirty to forty pounds has been forced through the soil for a couple of hours, complete destruction of all animal and vegetable life is assured.

Now to describe the coils. We run a temporary main from the boiler, of 2½-inch pipe and extend this through the center walk the length of the house. At distances of fifty feet we put in tees and connect at these points with the coils by means of a hose, which can be obtained especially adapted for the purpose. The coils are made up of headers and perforated pipes. The length of the header we vary with the width of the bench, screwing on nips and tees as needed. This is necessary, for the coil must be as wide as the bench to insure approximately perfect sterilization.

At right angles to the headers and parallel to each other we run perforated pipe. These are about ten inches apart. Thus, a bench four feet four inches in width would require a header four feet two inches in length and five lengths of 1½-inch perforated pipe. We have found that we can handle steam to the best advantage by having headers fifty feet apart and by connecting each header with the main, and we have also found it economy to have the whole house ready and to sterilize it all at the same time, as it requires but little more steam to do this than to sterilize a single section, and time will be lost waiting for the soil to become cool enough to permit handling. To do this twelve headers and about 1500 feet of perforated pipe are necessary, but if much of this work is to be done the outlay will not be great in proportion. Second-hand pipe is just as serviceable and if leaky, so much the better, for the more leaks the less boring there will have to be done.

The question of expense is important, for to have the method practicable there must be a limit to the cost of the operation. We compute the cost of sterilizing a house 16x300 feet at about $25, or in other words it doubles the expense of preparing a house for planting. This is, however, a comparatively small consideration, for if there is a saving of fifty plants to do a season's work, counting on a return of 50 cents per plant, there will be a saving of $25, or the cost of sterilization, and I think that our results have shown a greater saving than this by far. The work of the Hatch Experiment Station has given some very valuable results, and yet their computations on the cost of sterilization cannot be sustained by general practice for it is a much simpler operation to sterilize soil where there are no benches than where benches are used, as in our carnation houses.

Our first carnation house benched was planted with the Marquis and there was

CARNATION WILD ROSE.

a loss of perhaps a dozen plants from stem-rot in this house. I did not work the houses the year previous but I remember the representation in some parts of the bench of Marquis at December 1 was very scattering. Compare our loss of perhaps a half dozen Lawson, from some 1,500 plants, with that we have heard reported by others (I call to mind one report of 1,500 from 5,000) and I think you will agree with me that our loss has been slight. It has been so slight, indeed, that we consider it to have been entirely overcome. We have, however, suffered more from dry-rot than from wet-rot, but even this has been small when compared with the loss of previous years. Taking the result as a whole I feel safe in saying that we have found sterilization a preventive of stem-rot.

In conclusion, let me say that I do not believe sterilization a cure for stem-rot but rather a method of prevention. I look at sterilization as an insurance that you place upon a crop. You insure a vessel load of coal, yet the plants on which you depend to pay for the coal you do not insure without sterilization and when this can be done at a reasonable expense I believe in so doing. I do not think that better carnations can be grown in sterilized soil than in soil which is not sterilized, but I believe it gives you a greater certainty of keeping your benches full and thus a greater certainty of good financial returns. It gives you the assurance at the start that your soil and benches are free from fungus, from eelworm, from earthworm, from aphis, from red spider and, in addition, from weed seed. This latter fact would alone make sterilization of value. If we know exactly what our soil contains and can be sure that we are not taking in what will be detrimental there is no need for sterilizing, but this we do not know. We know, however, that it makes us practically certain of our crop and this certainly repays us for our labor.

We have grown roses, chrysanthemums and violets, in addition to carnations, in sterilized soil and with results which have exceeded our anticipations. I will be glad to throw more light on this subject if it is in my power to do so, and I thank you for the honor which you have done my father and myself in asking for this report, which I take pleasure in presenting to you.

Wallace R. Pierson.

We present on page 113 the portrait of a promising representative of the younger generation in the American floricultural profession. The son of a successful florist, he has been brought up in the most favorable conditions to learn the practical elements of floriculture under a good teacher. He graduated from the Massachusetts Agricultural College in June of last year and at once assumed charge of the carnation department of A. N. Pierson, his father, at Cromwell, Conn., a position he is likely to hold, as he takes a deep interest in it and because, as he naively remarks, he "has a pull with the boss." When a student at the Agricultural College he made the study of plant diseases a specialty under the instruction of Dr. Stone, whose preceipt, "prevention rather than cure," Mr. Pierson has adopted as his own guiding text. His paper on the sterilization of soils, read before the American Carnation Society, which we publish in this issue, is well-worthy of careful perusal. Mr. Pierson was born on May 5, 1880, and is therefore not yet 22 years of age.

The other two gentlemen who delivered addresses on this occasion, C. W. Ward, of Queens, N. Y., and E. G. Gillett, of Cincinnati, are well known to the trade.

"Injeanny."

BY J. A. E. HAUGH, ANDERSON, IND.

(AFTER RILEY.)

Some folks say "Injeanny" is small taters in the hill.
I argy, that sech silly talk comes only from ill-will.
Ef 'stead of throwin' mud at us, they'd stop an' 'vestigate,
They'd purty soon make change of tune, want us fer runnin' mate.

Some say we air so small. So's dimuns. Surely you'll admit
To swap one fer a load of hay, would show but leetle wit.
Most oft you'll find the melon that's the larges' in the store,
Has, where the sweetes' part should be, jes' a big holler core.

An jes' to show the reasons why us Hoosiers air so sure
That our's about the only state, I'll now upon this floor
Give you some fac's to think about, an' then I bet you'll say
Ef you could only pull up stakes, you'd come right here and stay.

CARNATION GOODENOUGH.

CARNATION CHALLENGER.

CARNATION SYLVIA.

THREE OF THE SEASON'S SEEDLING OFFERINGS BY EASTERN CARNATION GROWERS.

A fertile sile on ev'ry side, yields bountous craps each fall.
An happear homes cannot be foun' on this turescbual ball.
Each kounty seat's a hustlin' town, with factrys rushed pellmell.
An not a spot but you can hear a janglin' enjine bell.

An' we air proud as proud can be of many a favrite son,
Who'se made by some great deed, a name good nuff fer anyone.
An' Morton, Colfax, Hendricks, air honored o'er the lan'
But first of all is Harrison in this immortal ban'.

Jes' give Jim Riley pen an' ink an' set him down to write,
True nater's pitcher then you'll see put down in black an' white.
You'll smell the blossom's fragrunce, see the rustlin' of the pines,
An' hear the bees a hummin' in the sprawlin' punkin vines.

An' where's another Wallace, with a book like his Ben Hur?
A chap sets down to read it, by gum, he cannot stir.
Booth Tarkintun, an' Egglestun, air churist by all han's,
With Thompson, he who writ the book "Ole Alice of Vinsans."

To bring this balky dunky leetle nearer to his cart,
I'll tech now on a subjec' lying closes' to my heart,
That is, in raisin' posies, what are strictly up to date,
You'll hunt along time 'fore you'll find the ekwill of this state.

Big Sandy Grau, our florist sez, with one of his slow winks,
That, "We beat all creation when it comes to growin' pinks."
"Kharnations," what he calls 'em; sez, "For that there is to blame
A collige edycation which has shamed the good ole name."

Sez, "Right here in Injeanny an' nourished in our sile,
Has 'riginated more than half that'a made the flourist pile.
An' some air red, and some air white, an' pink an' stripped too,
With fragrunce like a clover fiel' all wet with mornin' dew."

"'Way up along the Wabash lives a great an noble soul,
As modest as a woman, as pure as finest gole.
He'll ne'er admit the honor that his tireless labors bring.
We hail thee, gentle Dorner, as the world's Kharnation King."

"Of three score of his seedlin's," said Sandy, "on the spot
I 'member of the famous ones the great an' only Scott,
An' Albertoeny, Mary Wood, an' Crane, an' Missus Bradt,
With White Cloud, Dazzle, Lorna, knocks the other florists flat."

"Of quite another pattern is the joval Gurney Hill,
A tale of his will make you laff till you air almos' ill.
He'll ask, 'How's trade, an' how's the wife an' folks you left this day,'
Take such an intrus' in your 'fa'rs, 'twill drive your care away."

"Retirin! No," said Sandy, with a sort o' sickly grin,
"They don't call me an 'easy mark' but he ken rope me in!
For though the stuff he sells me will most usu'l swell my cash,
My wife will shake her head an' say, 'Now Sandy, you're too brash.'"

"How he ken get sech seedlin's is a puzzle sure to me!
He's sent out Triumph, 'Merikee an' Hartje's Jubilee,
An' Flora Hill, named fer a maid dear to her father's heart,
An' Gaiety; but why name more, they're sold in every mart."

"Not fur from Hill is Missus Grave, with sech a model place,
An eastern chap who visits her goes 'way with envous face.
Her Dorothy shows blossoms with a freedom jes' as rank
As April vi'lets in the grass upon a Southern bank."

Sez Sandy, "There air others who have seedlin's up in G'
Why, Nelson, he has introjuced one good enuff fer me.
There's 'Nuby,' Peru, Hoosier Maid, an' Stuart'a Avondale,
Which he declares if you but grow, your trade can never fail."

"To still a doubt 'bout our supply an' any fear relieve -
We haint a florist but has got a seedlin' up his sleeve.
An' we will do our very best, oh, you may bet your buttons',
To sell the stock to all the world of needed rooted cuttins."

These reasons air not many, an' there's dozens more beside,
Why all us Hoosier folks do seem puffed up with sech a pride,
An' if there is a felier wont admit now our renown,
We'll ask him very kindly "to go 'way back an' set down."

Some of the New Carnations.

One of the men who seeks to fill the want for an ideal white carnation is Sidney Littlefield, who calls his seedling Goodenough. The flowers are pure white and about three inches in diameter; on straight, strong stems averaging two feet long. The calyx is strong and the variety is said to be an early and continuous bloomer. It is a seedling of 1897, the parentage being a white seedling crossed with McGowan. The parent seedling itself was a cross of Portia and McGowan. Mr. Littlefield says of this that he can cut from twenty to fifty per cent more first-class blooms per square foot of bench than he can of anything else he has ever grown. It does best in a night temperature of from 52° to 54° and kept a little on the dry side. The first crop in the fall comes rather single.

Another of the promising whites is Sylvia, grown by Woodfall Bros., Glen Burnie, Md. It is a good-sized flower, on a fairly heavy stem, and for freedom of bloom the originators maintain that it beats anything they ever tried. It is not a cropper and the plants are free from disease.

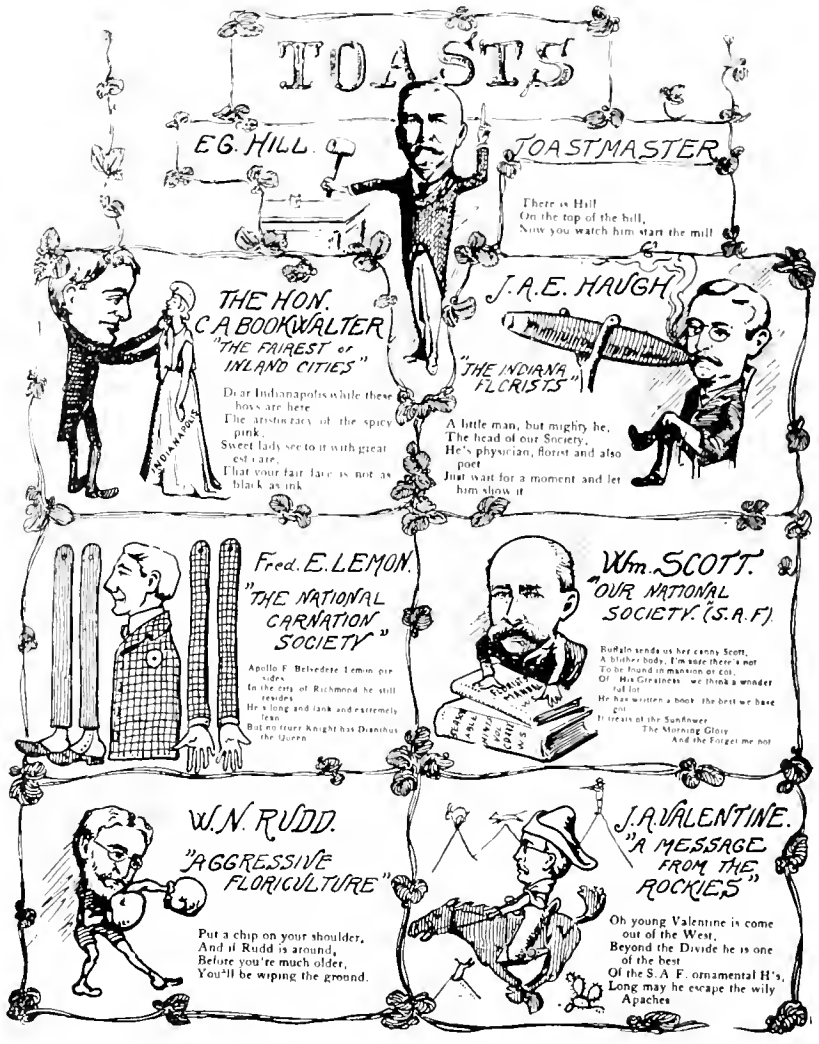
Carnation Wild Rose is the product of Walter S. Nichol, Barrington, R. I. The general character of the plant is shown in the illustration opposite. The flower is of a very attractive shade of light pink and the originator has found it a good seller. The stock is healthy and the variety is said to be an early and continuous bloomer.

Challenger, now being grown by William Hoffman, of Pawtucket, R. I., is the result of a cross between Jahn's Scarlet and a red sport of Mrs. Bradt. In habit the plant is much like Mrs. Bradt, but its growth is more vigorous and the foliage is of a very decided bluish tinge, so pronounced that visiting florists always remark it. The color of the flower is bright scarlet, without a trace of the brick color so commonly seen in scarlet seedlings. The calyx never bursts and

the stem is long and strong unless grown too warm, 50° night temperature being best suited to it. The plant makes no surplus grass and it is an easy propagator, although taking a little longer to root than some varieties.

C. W. Ward says that his new Harvard crimson, Harry Fenn, is fully as prolific a bloomer as General Maceo, which he introduced some years ago. An actual record shows that it has produced in a season two and one-half times the number of blooms per square foot that were cut from a bench of Gov. Roosevelt. This may be partially accounted for by its compact habit, which permits of its being planted closely on the benches. It is a pedigreed seedling of the Roosevelt-Maceo family, a large flower of brilliant color, full and symmetrical, poised on good stems. The photograph reproduced on page 114 was taken last November.

Alba, exhibited by Fred. Dorner & Sons Co., Lafayette, Ind., is described by the originators as surpassing all other whites. It has a silvery sheen which adds much to the flower, which is large, fragrant and on strong stems. The form of the flower is excellent. The first flowers come early and are large and perfect. Although the first stems are not long they quickly become all that could be asked. The plant is vigorous and produces no surplus grass. One of the unusual features attending the dissemination of this variety is that the season's propagation is limited to 25,000 cuttings.



PAGE FROM THE MENU FOR THE INDIANAPOLIS CONVENTION BANQUET.

The Balduin Controversy.

The Balduin re-naming business has been a live topic these past few months, and the Florists' Club of Philadelphia has been the storm center. In that connection I want to enter a protest against some bad reporting. To make the thing clear here is a brief resume of the matter at issue:

A committee of the Philadelphia club made a report at its January meeting implicating Messrs. Dingee & Conard and Myers & Samtman, one or both, in knowingly sending out an old rose under a new name. Both parties had a chance to vindicate themselves before the committee but did not think it worth their while, until after the report had been taken hold of by the press and given wide publicity.

Realizing when too late, one of the parties (Messrs. Dingee & Conard) made haste to minimize the effect of the exposure by asking the committee to find from proofs which they submitted that the other parties (Messrs. Myers & Samtman) were the guilty ones. This the committee consented to do and a motion was made on the floor at the Florists' Club meeting by Robert Kift that said report be received and published in the horticultural press. Another member of the club (the writer) not deeming that it was a proper function of the club to go into the publishing business, offered as an amendment that the report be received and spread on the minutes, that being the course pursued with the original or January report. After some discussion the amendment carried.

Now comes Robert Kift as Philadelphia correspondent of the AMERICAN FLORIST, with this misleading version of what took place: "While the club accepted the supplementary report of the committee on the Helen Gould rose they did not care a picayune whether it was published or not and so voted."

That statement, in so far as it accuses the club of "not caring a picayune" is emphatically denied. Every member of the press who cared for a copy of the report had just as free an opportunity of getting the second as the first report, as exactly the same course was taken with both and Mr. Kift should have so reported instead of trying to mislead the public and place in an odious light those members of the club who did not agree with him. Also he should have used the word "Balduin" instead of "Helen Gould."

Mr. Kift was equally successful in how not to tell the plain facts in his report about the bowling matters which appeared in the same article but as these were only of local interest they may be dismissed with bare mention, and a caution to beware of not sticking strictly to the facts.

Bad habits are easily formed and however able or eminent a man may be he is liable to blackslide and has to keep careful watch and ward over his intromissions, especially if he is the trade mouthpiece of Philadelphia for an important public journal like the AMERICAN FLORIST.

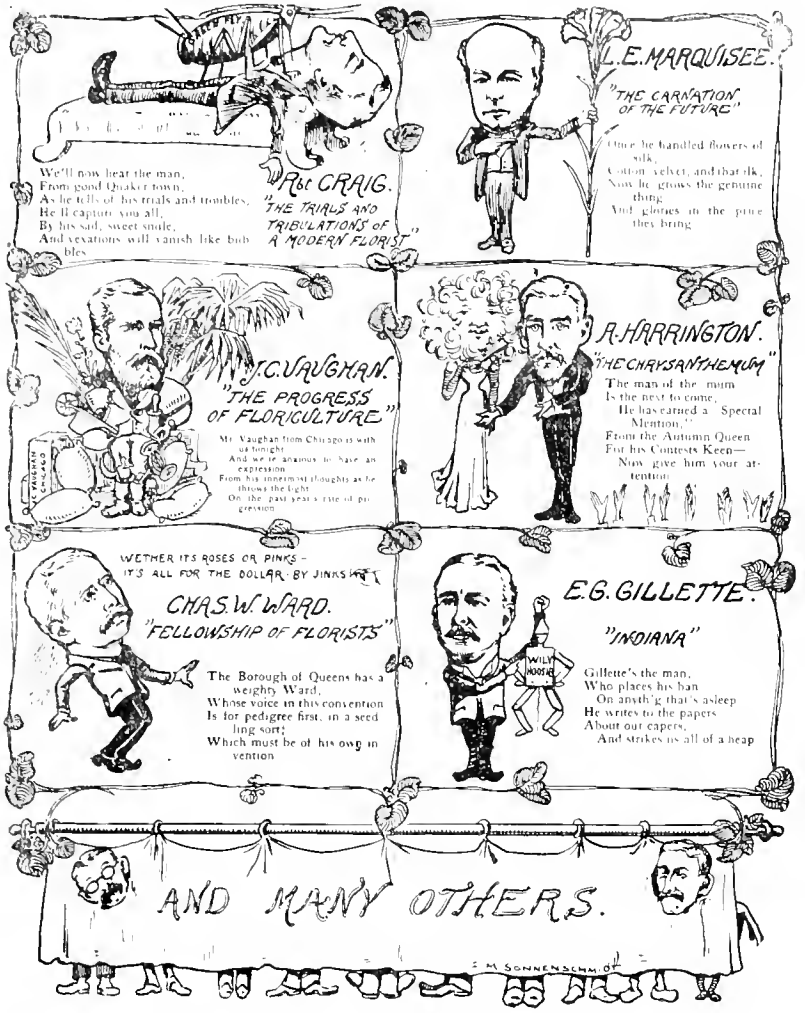
Twisting news is a bad habit. Suppressing news is another bad habit. If I held an official position like "R. K." I would expect to be called down were I guilty of either bad habit. I would like to know why "R. K." did not send on the supplementary report of the Balduin committee. It looks to me like a clear case of suppressing public news to gratify private and personal feeling.

G. C. WATSON.

Chicago.

SUPPLIES INCREASE WITH NO CORRESPONDING IMPROVEMENT IN DEMAND.—ROSE MARKET EASIER AND COLORED CARNATIONS ACCUMULATING.—BULBOUS STOCK VERY PLENTIFUL. — CHICAGO DELEGATION TO THE CARNATION MEETING.

The week has brought something of a lull in business, but it is probable that the apparent lack of life in the call for stock is largely accentuated by increased supplies. The condition noted in Hunt's market letter to the trade at the end of last week, wherein it was stated that carnations were already beginning to accumulate and rose shortages easing up, is apparent in most of the houses. There are quantities of short Beauties remaining with some of the large producers, but the medium grades are still under the demand. In tea roses there are now adequate supplies for all reasonable requirements, but Meteor and Golden Gate must be very good indeed to move satisfactorily. White carnations are still cleaned out at excellent prices, but the accumulation of pink and red is becoming serious. There are very large daily receipts of violets, more than can be moved to advantage, although a large part of the stock is of very fine quality and little more than $1 per hundred is asked. Bulbous stock is very plentiful; even calla lilies are hanging fire. There are large quantities of freesias awaiting a customer and a good many Romans and



PAGE FROM THE MENU FOR THE INDIANAPOLIS CONVENTION BANQUET.

Paper Whites. There are daffodils everywhere, but tulips seem to be doing a little better. It is probable that lily of the valley was never more plentiful in this market and certainly better stock was never offered at the price. There is a very good call for greens and wild smilax has been moving well, although the call for it will probably let up a little during Lent.

The Chicago party bound conventionward left Tuesday evening in a special car on the Pennsylvania and had a merry time. It was a good sized delegation, including Jas. Hartshorne, Frank Fischer, Emil Buettner, W. N. Rudd, Peter Reinberg, F. F. Benthey, Geo. Weiland, Adam Zender, W. G. Earle, G. H. Pieser, Geo. M. Garland, Henry Wietor, C. L. Washburn, Andrew Benson, Wm. L. Kroeschell, E. C. Amling, C. A. Samuelson, Chas. Schweigert, A. Hills, J. S. Wilson, J. C. Vaughan, Anton Then, Fritz Bahr, John Thorpe, Ed. A. Kanst, W. L. Palinsky, Edgar Sanders, G. L. Grant and M. Barker, J. B. Amphlett, Ionia, Mich.; C. W. Johnson, Rockford, Ill.; J. C. Rennison, Sioux City, Ia.; Wm. Clark, Colorado Springs, Col.; W. E. Kemble, Oskaloosa, Ia. And several others, among them J. D. Thompson, went in advance of the main party, stopping en route. Many visited New Castle, Richmond and Lafayette before returning home.

Basset & Washburn will plant no more Bride, Bridesmaid or Liberty on their own roots next season. They will carry over the grafted stock which they are forcing this winter and have imported 70,000 Manetti stocks, which are being grafted up for next season. They say that possibly they get no more flowers from grafted plants but that they get better stock, particularly early.

Messrs. H. T. Harman and A. L. Vaughan, of E. H. Hunt's, who have been traveling in Ohio and Indiana, were at the Indianapolis carnation meeting, where they had a large showing of their novelties in the supply line.

Otto Miller, a glazier at M. Weiland's, at Evanston, stepped out from the greenhouses upon the St. Paul railroad tracks Saturday evening and was instantly killed by a train which he did not see approaching.

There is a very attractive flower show at the Douglas Park conservatory. Chas. T. Zapel, the head gardener, says that there are sixty-five varieties of azalea in the display.

N. J. Wietor says that they would like to grow a house of La France rose for next season if they know where to procure the stock.

The first Hollander to strike the town was W. Taat, of M. Van Waveren & Sons, Hillegom.

Henry Muno is again on duty in charge of his father's wholesale store after a brief illness.

John Zeck, of Budlong's, has been on the sick list this week.

Mrs. C. L. Washburn is again quite ill.

Visitors: Besides others en route to the convention were A. M. York, Hancock, Mich., and H. E. Philpott, Winnipeg, Man.

St. Louis.

CARNATION EXHIBITION AT THE CLUB MEETING ONE OF MUCH INTEREST.—EXHIBITS OF EXCELLENT QUALITY.—TRADE FAIRLY ACTIVE AND FUNERAL WORK HEAVY.—PRICES WELL MAINTAINED BUT DECLINE LIKELY SOON.

The carnation show held at the regular monthly meeting of the club, Thursday, February 13, was well attended and a very good but not large display seen. The judges were Fred. Weber, Otto Koenig and Max Herzog. The best vase was one of Enquirer from R. Witterstaetter, of Cincinnati; Estelle, another of Mr. Witterstaetter's, was much admired. The E. G. Hill Company, of Richmond, sent an unlabelled box of a very fine pink carnation supposed to be Cressbrook. The Chicago Carnation Company had four vases on exhibition. The best of these was Mrs. Higinbotham. The committee highly recommended it. The other varieties were Mrs. Potter Palmer, Bon Homme Richard and Chicot, all good, but the latter must have been cut just before packing, as it showed marked signs of going to sleep.

Fred. Ammann, of Edwardsville, had two fine vases on exhibition, one of White Cloud and the other Genevieve Lord. W. L. Hucke, of Belleville, was the only one to exhibit Mrs. Thos. Lawson and these were very fine. F. J. Fillmore had an excellent vase of mixed carnations which were admired by all. The vase of over 100 blooms exhibited by J. W. Dunford was a magnificent sight. Mr. Dunford had, as well as older sorts, most of those that he mentioned in the paper which he read during the session and which was published in these columns last week. A vase of seedlings by A. Jablonsky was viewed with favor, especially his No. 6, a dark maroon or crimson of the Roosevelt type, and No. 1, a white. Robert Tesson also showed a vase of seedlings that were very good.

Mr. Herzog had set up a microscope with a captive thrip between two slides of glass, which was viewed with much interest. The scholarship at the Missouri Botanical Garden which is awarded by the club was given to William Polst, a member. This scholarship is at present held by Rudolph Mohr but he will graduate this spring and Mr. Polst will take his place in April for a four years' course. The next meeting will be held March 13 and will be the annual rose meeting.

The market is about as last week, but funeral work was never heavier and everything in white and light shades is bringing good prices. Roses are coming in more plentifully but the price still stands at from $5 to $10. However, a decided fall in prices is expected shortly. American Beauties are very scarce and very few good ones can be had at less than $5 per dozen. Some very fine carnations are being sent in, but the whites are fewest in number and are in greatest demand. The St. Louis Carnation Company is sending in some excellent flowers. They have a few Prosperity which are very good. Violets are in heavy supply and the price has gone down to from 50 cents to 75 cents per hundred. All bulb stock is sold at from $2 to $3.

Fire in one of the greenhouses at the Missouri Botanical Garden did slight damage except to destroy a fine collection of seedling acacias and injure some pandanuses so badly that they had to be cut down. Prof. Trelease is on a trip to Yucatan.

Visitor: Geo. M. Kellogg, of Pleasant Hill. R. J. M.

THE AMERICAN FLORIST

SEVENTEENTH YEAR.

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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-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., Chicago.

AND now in March the rose will have its inning.

THE consensus of opinion among glass jobbers seems to be that a small rise in prices is only a matter of a few days.

AZALEAS are in every window, and as a general rule the poorer the plant the more crepe paper there is around the pot.

THERE will be an unusual demand for well grown bedding stock this spring. It will be a mistake to start prices too low.

THE estimates for 1903 of the U. S. Department of Agriculture carry $118,000 for investigation along the lines of vegetable pathology and physiology.

THE mailing label on your paper shows when your subscription expires; when you send your renewal note that the date changes within two weeks; it will serve as your receipt.

THE American Rose Society is in receipt of a silver cup valued at $125, from Mrs. Clarence Mackay, for twenty-five American Beauties on not less than five-foot stems, to be shown at the March exhibition, competition open only to amateurs.

THE National Sweet Pea Society of England is evidently flourishing, judging from the report presented at the first annual meeting, January 28. The next annual exhibition will be held at the Royal Aquarium, London, July 25 and 26.

A REWARD of $25,000, says an English contemporary, is offered by the Department of Agriculture of Queensland, for the discovery of a means of eradicating the prickly pear pest, which is a cactus imported from America. The remedy must not cost more than a certain sum per acre.

ALBO-GRANDIFLORA is another new variety of Begonia Gloire de Lorraine, a large-flowered albino form and one that is remarkably free. Apparently the plant is all that can be desired, says the *Gardeners' Magazine*, but the plant would be even more desirable were the large flowers a purer white.

Couldn't Do Without It.

ED. AM. FLORIST:—Enclosed is $1 for a year's subscription. I have tried to do without your paper but have decided to come back to the old love.

Philadelphia. E. J. GRAVER.

Chrysanthemum Society of American.

When the business of the American Carnation Society had been concluded early Thursday afternoon, February 20, members of the Chrysanthemum Society of America and others interested to the number of about twenty-five assembled in one of the halls of the German House and soon got down to business, with President Herrington in the chair. Among those in attendance were C. W. Ward, Queens, N. Y.; C. W. Johnson, Rockford, Ill.; Jas. S. Wilson, Western Springs, Ill.; E. N. Pierce, Waverley, Mass.; Elmer D. Smith, Adrian, Mich.; Phil. Hauswirth, Chicago; William Nicholson, Framingham, Mass.; Judge Vesey, Fort Wayne, Ind.; W. N. Rudd, Mt. Greenwood, Ill.; Fred. H. Lemon, Richmond, Ind.; Wm. F. Kasting, Buffalo, N. Y., and others representative of eastern and western sections of the country. The affairs of the society were discussed at considerable length and finally, on the motion of W. N. Rudd, seconded by Jas. S. Wilson, it was resolved that the president and secretary serve as a committee to arrange, if possible, with the Horticultural Society of Chicago for a convention and exhibition to be held next November in connection with the fall show of the latter organization.

This action appeared to be very favorably regarded by those present. It is the first time, we believe, that anything of similar character has been attempted, and many are confident that it means a new era of prosperity for the society. Prompt action was urged and President Herrington gave the assurance that there would be no unnecessary delay in starting the work. The representatives of the Horticultural Society of Chicago present gave it as their opinion that there would be no difficulty in the matter as far as Chicago was concerned. It seems certain that something must be done, and done speedily, to render the society more serviceable, and the development of this movement will, therefore, be watched with much interest.

Philadelphia.

SEVERE STORM CURTAILS PRODUCTION — RETAIL TRADE NONE TOO BRISK AND STOCK NOT SCARCE. — SOME EXTRA CHOICE FREESIAS.—ALL ABOUT PRICES —GROWERS CONCERNED OVER BEHAVIOR OF THE LILIES —FARMERS' INSTITUTE.—OTHER NOTES OF LOCAL MATTERS.

The heaviest snow of the season has just fallen and it looks as if it would make flowers a trifle scarcer, which will probably be a good thing, if it does not at the same time interfere with the retail trade, which is none too good since the arrival of Lent. Flowers have not accumulated much as yet, although fakirs seem to manage to get plenty of carnations to retail at 10 cents per dozen. The growers say that carnations are a little off crop at present, which will not hurt, as it will have a tendency to stiffen prices and keep them off the street. The only thing that seems at all over-stocked is bulbous material, which is now very plentiful, with prices ranging from $2 to $3 per hundred. Lukens' freesia is in a class by itself. It looks almost like a different flower from that carried by the average grower. It is pure white, or with only the faintest touch of yellow, with stems eighteen to twenty inches long, each carrying several spears of foliage and from five to seven flowers or buds. Leo Niesson says it sells on sight at $5 per hundred. Prices are about the same as last week $7 to $8 per dozen for the best Beauties, $12 to $15 per hundred for select teas, $1.50 to $5 for carnations, 50 cents to $1 for double violets and 25 cents to 50 cents for the singles.

The sessions of the farmers' institute held in Horticultural Hall last Wednesday afternoon and evening were very interesting, in fact, the evening session lasted almost until the next day. John B. Lewis told how to handle the caterpillar pest. He thought the best plan was spraying with emulsions of kerosene or crude petroleum. James Boyd told about old-fashioned flowers for the garden in an entertaining manner. Joseph Meehan spoke of the best trees and shrubs, their proper location and when to set them out, giving, as well, other valuable points in their cultivation. Joseph Kift, Jr., had an article on mushrooms that told pretty well all about them His instructions as to the making of the beds and their care were very plain and practical. He also gave an idea as to the amount of profit that might be expected if the crop was a good one and showed that there was not as much in the business as the glowing articles in some of the papers would lead one to believe. There were a number of beautiful specimen cyclamens and Primula obconica, which had been left to decorate the room from the meeting of the Pennsylvania Horticultural Society the night before.

The great topic of the hour with the growers is the lily. First, it is the quality of the stock which some growers are very much dissatisfied with, claiming that they did not get what they ordered. Some claim that there are varieties of lilies known in Japan to be worthless for early forcing but as they cost less than the early forcing kinds they are packed in with them and all sold as first-class. It is a pity these bulbs cannot be told from the good kinds, but it seems that the only way is to find it out when too late to fill up with good stock.

Leo Niessen has the sympathy of the entire trade in the loss of his father, whose death occurred on February 17. M. Rice has also suffered a great affliction in the loss of his mother, who died last Monday. Many floral offerings were sent to the funeral by Mr. Rice's friends of the trade in this city.

Visitors: Paul Pierson, of Tarrytown; Geo. Stewart, of Tuxedo; Geo. Stumpp, of New York. K.

Boston.

A VISIT TO WABAN AFFORDS VIEW OF MANY THINGS OF INTEREST. — MUCH NAMED ROSE ATTRACTING WIDE-SPREAD ATTENTION —LIBERTY DOING FINELY.—GRAFTED BEAUTIES.—COLD WEATHER RESTRICTS RECEIPTS —MOST ITEMS WELL CLEANED UP.—VARIOUS NOTES.

I had the pleasure of a little trip to Waban Rose Conservatories recently, in company with Fritz Breitmeyer, of Detroit, who wanted to take a squint at the "Helen Gould or whatever it is," which is doing so well there, and the grafted roses in general. As grown by Mr. Montgomery, the much named rose shows that there is no question about the beauty of the bud or the continuous blooming of the variety. The country at large seems to have faith in it as the demand for plants is enormous and comes from every section. Mr. Montgomery grows it with about the same treatment as Perle des Jardins but with a little lighter soil. Liberty, with its third crop coming on, is throwing up fine canes from the bottom now. Transplanted

plants did a little better than those left undisturbed in the bed. No black spot has been troubling it this year. One house of Liberty with bottom heat is the least satisfactory. As to American Beauty, both grafted and own-root plants are grown at Waban. The grafted stock seems to carry thickness of stem closer to the tip of the shoot and seems less likely to run blind than is the case with the own-root stock. Among the things that have a fascination for most visitors here is a fine bench of Bon Silene. They bring a smile of cordial recognition to the features of many an old-timer and it is often remarked that the favorite of by-gone days is getting into harness again for another spin. A house of seeding and seedling roses, the especial cozy corner of Alex. Montgomery, junior, is, to those who are honored with permission to enter, a place of engrossing interest, and many good judges will "miss their guess" if something phenomenal does not in the near future emerge from the blooded stock being fostered there. In reply to a question as to the best late white chrysanthemum, Mr. Montgomery named White Maud Dean and Wm. H. Chadwick.

The market has not begun to feel any very serious effects of the Lenten restrictions thus far. Valentine's day coming within two days after Ash Wednesday proved a substantial benefit to the flower traffic and now the return of winter conditions in the form of a lively snow storm and low temperature is restricting the product sufficiently to insure the market against any immediate embarrassing accumulation. With the exception of the bulbous material in its various seasonable forms there is little cut flower stock here at present that cannot be disposed of at a reasonable value and there is a decided shortage of some kinds of green material.

Visitors: H. J. Goemans, Hillegom, Holland; Chas. Schwake and H. S. De Forest, New York; W. H. Moon, Morrisville, Pa.

OBITUARY.

ARCHIBALD NOBLE.

Archibald Noble, of Millord, Conn., died Saturday February 15, aged 86 years. He was for many years in the florist business and was well versed in landscape gardening.

ROBERT MANNING.

Robert Manning, secretary and librarian of the Massachusetts Horticultural Society died suddenly of heart disease, at his home in Salem, on Monday, February 17. Mr. Manning was born at Salem, July 18, 1827. His father was a noted pomologist and he, himself, had wide horticultural knowledge, especially in this branch. He had been for many years in charge of the extensive library of the Massachusetts Horticultural Society and will be missed by those who frequented the reading room. He was most painstaking and exact in the compilation of records and other literature of the society. The funeral was held from the family residence on Wednesday afternoon.

Catalogues Received.

Northrup, King & Co., Minneapolis, seeds; The Geo. H. Mellen Co., Springfield, O., seeds and plants; Vaughan's Seed Store, Chicago, seeds; Bobbink & Atkins, Rutherford, N. J., herbaceous plants; Cooke & McCord Co., Tarrytown-on-Hudson, N. Y., seeds; Jno. D. Imlay, Zanesville, O., seeds and plants; Oscar H. Will & Co., Bismarck, N. D., trees and seeds; J. F. Noll & Co., Newark, N. J., seeds; W. B. Longstreth, Gratiot, O., seeds and plants; American Rose Co., Washington, D. C., Rose Ivory; Wood Stubbs & Co., Louisville, Ky., seeds; The Dingee & Conard Co., West Grove, Pa., roses; Nathan Smith & Son, Adrian, Mich., plants; Archias' Seed Store, Sedalia, Mo., seeds and florists' supplies; L. L. Olds, Clinton, Wis., seeds; Nanz & Neuner, Louisville, Ky., seeds and plants; Griffith & Turner Co., Baltimore, Md., seeds and plants.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (six words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1902 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—By an experienced florist as foreman or to take charge of commercial place. References as to ability and character. Apply S A, care American Florist.

SITUATION WANTED—As florist and gardener on private place; Hollander, single; 20 years' experience. Can furnish the best of references. Address B R C, American Florist.

SITUATION WANTED—By competent florist, first-class grower of roses, carnations and general stock, capable of taking charge, private or commercial; German, married. Address C, care American Florist.

SITUATION WANTED—By florist, good plantsmen and propagator, 16 years' experience; wants to take charge of private place where good and steady man is wanted. Good references. F M, care American Florist.

SITUATION WANTED — By first-class rose grower; 11 years' experience in roses, carnations, chrysanthemums or general stock; 8 years with one of the largest rose growers of the east. Best of references. A B, care Am. Florist.

SITUATION WANTED—As foreman or manager of commercial place. Expert florist, with thorough knowledge of the business. Roses, carnations, 'mums and violets a specialty. W E B, care Mrs. Williams, 427 E. 63rd St., N. Y.

SITUATION WANTED — By a German gardener, 38 years old, thoroughly experienced in greenhouse work. Two years in this country. Or would accept position in a private place. Address PAUL TRZEWIK, St. Cloud, Minn.

SITUATION WANTED — By florist and landscape gardener, 18 years' experience in greenhouses, vegetables and lawns; would like to take charge of private place. Best of references furnished as to ability. Married, no children. L, care American Florist.

SITUATION WANTED — March 1st, in rose-growing, general greenhouse work, or wholesale flower store. About Philadelphia preferred; young man, age 22; references; 5 years' business experience and experience in greenhouse work. Box 33, Aldan, Del. Co., Pa.

SITUATION WANTED—As manager by a practical grower of roses, carnations, 'mums, palms, ferns and general stock; capable of managing a large plant and having the work done in a systematic way. Good wages expected. Good testimonials. MANAGER, 129 N. Clark St., Chicago

WANTED—First-class packer; steady position. Apply to 409 Fifth Ave., New York.

WANTED—Florist, general greenhouse work; state wages. F. BEU, 2780 No. 40th Ave., Chicago.

WANTED—Young man for general greenhouse work. State wages wanted with board. COLE BROTHERS, Peoria, Ill.

WANTED—A young man with some experience in greenhouse work. State wages with board. M. I. O'BRIEN, Sharon, Pa.

WANTED—A first-class orchid, fern and palm grower. Address Box 985, Postoffice, Minneapolis, Minn.

WANTED—By March 1st, young man with some experience, to work in greenhouses; $18 per month and board. Address Box 170, McHenry, Ill.

WANTED—A single man to grow roses and carnations and to look after things in general at times. State wages with board and room. Address C, care American Florist.

WANTED—Practical gardener to take charge of private place; must be willing to work and understand lawns, flowers, shrubs and vegetables. References required. Address B. G. WORK, Akron, O

FOR SALE—Four small greenhouses with dwelling, in city of 30,000. For particulars, address T W R, care American Florist, Chicago.

FOR SALE OR RENT — Property splendidly located for florist business; near three large cemeteries. Address HENRY HAERTEL, 32 Grove St., River Forest, Ill.

FOR SALE—A well established florist business, near a large cemetery, 3,000 feet of glass; a new, modern house, steam heat, a barn; greenhouses well stocked; easy terms. Address WISCONSIN, care American Florist.

FOR SALE—Bargain. Elegant white enamel marble top counter and ice box, with beveled glass mirror front; also a lot of florist store supplies For further particulars, call or write to 240 South California Ave., Chicago.

FOR SALE—Mapleton greenhouses, two large greenhouses, each 100x18, containing 5,000 feet of glass, in good repair, with all modern improvements and ample ground, situated ½ mile from a thriving town, convenient to two railroads, and stocked with roses, carnations, etc. Dwelling house included. Possession given Oct. 1. Address MRS. S. J. NITTERHOUSE, Waynesboro, Franklin Co., Pa.

$300 Per Month.

Do you want it? If so, buy me out NOW, at your own price. Good reasons. 15,000 feet. It costs you a postal card to have particulars.

C. S. FITZSIMMONS, Lansing, Mich.

MONEY IN MUSHROOMS

Owing to building of larger plant will sell present plant capacity 50 lbs. daily, for $1000. Should clear $3,000 yearly. Room for additional beds. Rare opportunity. Demand exceeds supply. If inexperienced will teach business.

H. B. HAYDEN, Western Springs, Ill.

FOR SALE A Great BARGAIN

20 miles from Grand Central depot, N. Y. city, on line of New York & New Haven R. R., Florist Establishment consisting of 4 acres of rich land, dwelling house, 10 greenhouses, steam heated, boiler house, 3 steam boilers, pumps, all complete. Must be sold at once; easy terms. For further particulars address Siebrecht & Son, 409 5th Ave., N. Y.

FOR SALE OLD ESTABLISHED

FLORIST BUSINESS

4½ acres of ground, 9 greenhouses, several cold frames, 6-room house, barn, etc. 30 minutes from N. Y. city. Large cemetery opposite. Trolley cars pass place. 36 years in present location. Entire property and business, including large stock for spring trade. Call and inspect.

Mrs. C. M. Hutchinson, Elizabeth N. J.

If you want to get the want you want to get, you want to get your want ad into the

AMERICAN FLORIST

Try it now.

Every advertisement represents a genuine want. It pays to answer them.

Cleveland.

FINE WEATHER A GREAT HELP TO BOTH GROWERS AND RETAILERS.—PARTY TO CARNATION MEETING MAKES MANY STOPS EN ROUTE.

The exceptionally fine weather for the past week has been received with joy by plantsmen and dealers alike. It has hustled along Easter stock and stimulated trade in general. St. Valentine's day proved a record-breaker for the sale of violets and bulbous stock. Never in the history of floriculture in this city have violets sold so well, one firm disposing of over 5,000 at retail, and other firms did equally as well. But apart from Valentine's day business has taken on the usual early Lenten depression. Bulbous stock is coming in fine shape, especially Von Sion, Golden Spur and Murillo tulips. Lily of the valley is also fine and sells well. Smilax is becoming a drug. Calla lilies are becoming more plentiful. The quality and quantity of roses are improving.

The delegation from Cleveland to the carnation convention left Cleveland Sunday evening. It comprised the following gentlemen: Adam Graham, Herman Hart, John Merkel, F R. Williams, S. N. Pentecost and Isaac Kennedy. A second delegation departed Tuesday morning. The first named gentlemen arrived at Cincinnati Monday morning and a visit was paid to the establishments of Messrs. Peterson, Witterstatter and Partridge. The next stop was Richmond, where Hill, Grave and Gause were visited. At New Castle the establishments of the South Park Floral Company, Reinberg & Weiland and Benthey & Company were inspected, the party arriving in Indianapolis on Tuesday evening. ECHO.

MARINETTE, WIS.—George Vatter is preparing to add about 4,000 feet of glass to his present range.

NORTH LEOMINSTER, MASS.—R. A. Hillson has leased his greenhouses to E. L. Dirkie, who has taken possession.

Cut Flowers

DAFFODILS (Golden Candlestick). $1.00 per 100
JONQUILS (Campernelle)..... .80 per 100

— CASH. —

MISSES WILSON, Mildred St., Montgomery, Ala.

Please mention the American Florist when writing.

SEVENTH ANNUAL

Carnation Exhibition

OF THE

BOSTON CO-OPERATIVE FLOWER GROWERS' ASSOCIATION

Will be held at the

FLOWER MARKET, PARK ST., BOSTON

ON

MARCH 8, 1902.

For information and circulars apply to

GEORGE CARTWRIGHT, Sec'y.

WM. NICHOLSON, PETER FISHER, GEO. CARTWRIGHT, } Committee of Arrangements.

Please mention the American Florist when writing.

CATTLEYAS $6.00 per Dozen.

Roses, Beauty, extra long stems	$4.00
" " 24 to 30-in. long stems	3.00
" " 20 " "	2.50
" " 15 " "	2.00
" " Short "	1.00
" Bride, Bridesmaids	6.00@ 8.00
" Meteor	6.00@ 8.00
" Golden Gate	5.00@ 8.00
Carnations	1.00@ 2.00
" fancy	2.00@ 3.00
Violets, double	1.00
" single	.50@ .75
Lily of the valley	2.00@ 4.00
Adiantum	.75@ 1.25
Common Ferns.....per 1000, $1.50	.25
Smilax.....per dozen, $1.50	
Asparagus .per dozen, 7.50@10.00	
Narcissus	2.00@ 3.00
Roman Hyacinths	2.00@ 3.00
Lil. Harrisii	15.00@20.00
Callas	12.50@15.00
Tulips, all kinds	3.00@ 4.00
Tulips, Murillo, fancy	5.00@ 6.00

Galax Leaves.

Green or Bronze, 15c per 100; $1.00 per 1000.

Leucothoe Sprays.

75c per 100.

Wild Smilax.

QUALITY COUNTS—No. 1, 15 lbs., $2.50; No. 2, 20 lbs., $3.25; No. 3, 25 lbs., $3.50; No. 4, 35 lbs., $4; No. 5, 40 lbs., $5; No. 6, 50 lbs., $6.

We are the Northern Representatives of CALDWELL THE WOODSMAN CO.

J. B. DEAMUD, WHOLESALE CUT FLOWERS 51 Wabash Ave., CHICAGO.

Wholesale Flower Markets

MILWAUKEE, Feb. 20.

Roses, Beauty, long, per doz.	3.00@ 5.00
" " med. "	1.50@ 2.00
" " short "	.50@ 1.00
" Liberty	6.00@10.00
" Bride, Bridesmaid	6.00@ 8.00
" Meteor	6.00@ 8.00
" Golden Gate	6.00@ 8.00
" Perle	5.00@ 8.00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00@ 2.50
Violets	.50@ .75
Lily of the valley	4.00
Daffodils	4.00@ 5.00
Freesias	3.00
Adiantum	.75@ 1.00
Smilax	18.00@20.00
Asparagus	65.00
Common ferns	.25

PITTSBURG, Feb. 20.

Roses, Beauty, specials	40.00@50.00
" " extras	25.00@35.00
" " No. 1	10.00@20.00
" " No. 2	3.00@ 6.00
" Bride, Bridesmaid	3.00@12.00
" Meteor	2.00@ 4.00
Carnations, ordinary	1.00@ 2.00
" fancy	3.00@ 5.00
Lilac.....per bunch, 1.00@1.50	
Lily of the valley	2.00@ 4.00
Violets	.30@ 1.50
Harrisii lilies	10.00@15.00
Romans, Paper Whites	1.00@ 3.00
Tulips	2.00@ 4.00
Smilax	8.00@12.50
Adiantum	1.00@ 1.50
Asparagus	50.00@75.00

CINCINNATI, Feb. 20.

Roses, Beauty	25.00@50.00
" Bride	6.00@ 8.00
" Bridesmaid	6.00@ 8.00
" Meteor	6.00@ 8.00
" Perle	4.00@ 6.00
Carnations	2.00@ 5.00
Violets	2.00@ 3.00
Harrisii lilies	15.00
Lily of the valley	4.00@ 5.00
Romans	3.00@ 4.00
Paper Whites	3.00@ 4.00
Asparagus	50.00
Smilax	15.00
Adiantum cuneatum	1.00
Galax leaves	.15
Common ferns	.20

ST. LOUIS, Feb. 20.

Roses, Beauty, short stem	8.00@15.00
" " long stems	20.00@50.00
" Bride, Bridesmaid	6.00@ 8.00
" Meteor	4.00@ 8.00
" Golden Gate	6.00@ 8.00
Carnations, ordinary	1.50@ 2.00
" choice	2.50@ 3.00
Violets	.50@ .75
Sweet peas	.50@ .75
Callas	10.00@15.00
Lily of the valley	3.00@ 4.00
Romans	1.50@ 2.50
Narcissi	2.50@ 3.00
Tulips	3.00@ 4.00
Smilax	10.00@15.00
Asparagus Sprengeri	1.00@ 1.50
" Plumosus	1.00@ 1.50

Frank M. Ellis,

WHOLESALE FLORIST,

1316 Pine Street, ST. LOUIS, MO.

CONSIGNMENTS SOLICITED.

H. G. BERNING

Wholesale Florist

1322 Pine St., ST. LOUIS, MO.

C. A. KUEHN,

Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

Pittsburg Cut Flower Co. Ltd

WHOLESALE FLORISTS.

Pittsburg, Pa.

The Cincinnati Cut Flower Co.,

416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

MICHIGAN

Cut Flower Exchange,

WM. DILGER, Manager,

WHOLESALE COMMISSION.

Full line of Florists' Supplies and Decorations. Special attention to shipping orders.

26 Miami Avenue, DETROIT, MICH.

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Wholesale Florists and Supplies.

Receivers and Shippers of Fresh Cut Flowers.

Consignments Solicited.

128 N. Sixth St., Minneapolis, Minn.

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We Concentrate Our Efforts

Upon handling cut flowers as they should be handled; upon giving our customers the best service to be had anywhere. It stands to reason that we can give better satisfaction to cut flower buyers than can houses where cut flowers are only a side line to stocks of other florists' supplies.

E. C. Amling

The Largest, Best Equipped and Most Centrally Located Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St. CHICAGO.

L. D. PHONES 1999 AND 1977.

PRICE LIST.

BEAUTIES.		
Stems, 36 inches, per doz.,		$5.00
" 30 " "		4.00
" 24 " "		3.00
" 20 " "		2.00
" 15 " "		1.50
" 12 " "		1.00
" 6 to 8 in. per 100,	$4.00	6.00
Brides..... "	5.00	8.00
Maids..... "	4.00	8.00
Meteors..... "	3.00	6.00
Golden Gate..... "	4.00	8.00
Carnations..... "	1.00	1.50
" large and fancies "	2.00	3.00
Mignonette.....per doz.,	.35	.50
Callas.....per doz.,	1.25	1.50
Violets, double.....per 100,	.75	1.25
" single..... "	.50	.75
Valley, select..... "	2.00	3.00
Romans.....per 100,	2.00	3.00
Tulips..... "	3.00	4.00
Daffodils..... "		3.00
Paper Whites..... "	2.00	3.00
Freesias..... "	2.00	3.00
Asparagus plumosus, per stg,	.50	.60
" Sprengeri, per 100,	3.00	4.00
Ferns, per 1000, $2.00; "		.25
Galax, " 1.00; "		.15
Leucothoe sprays.... "		.75
Adiantum..... "	$1.00	1.50
Smilax.....per doz.,	1.25	1.50

Prices subject to change without notice

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

WEILAND-AND-RISCH

CHICAGO'S RELIABLE Wholesale Growers and Shippers of CUT FLOWERS, 59 Wabash Ave., Chicago.

SEND FOR WEEKLY PRICE LIST.

WHOLESALE FLORISTS

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florists

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Consignments solicited.....

FRANK GARLAND,

Wholesale Grower of **Cut Flowers**

SPECIAL ATTENTION GIVEN TO HARDY CUT **FERNS**

55-57 WABASH AVENUE,

Telephone Central 3284. CHICAGO.

A. L. Randall,

WHOLESALE FLORIST.

4 Washington Street, CHICAGO

Send for weekly price list and special quotations on 1000 lots.

Wholesale Flower Markets

CHICAGO, Feb. 21.

Roses, Beauty,	36-inch stems	5.00
" "	30 " "	4.00
" "	24 " "	3.00
" "	20 " "	2.00
" "	15 " "	1.50
" "	12 " "	1.00
	6 to 8 " "per 100	4.00@6.00
Bride, Bridesmaid.....		4.00@ 8.00
" Meteor.....		3.00@ 6.00
" Perle.....		3.00@ 6.00
" Golden Gate.....		4.00@ 8.00
Carnations.....		1.00@ 3.00
Violets.....		.75@ 1.25
Lily of the valley.....		2.00@ 3.00
Callas, per doz.....1.25@1.50		
Tulips.....		3.00@ 4.00
Romans, Paper Whites.....		2.00@ 3.00
Adiantum.....		1.00@ 1.50
Common ferns.....per 1,000	$2.00	.25
Galax leaves, per 1000.....$1.00		.15
Smilax.....per dozen 1.25@ 1.50		

For EASTER Forcing

Fine, select LILY OF THE VALLEY PIPS, $1.50 per 100; $12.50 per 1000; $30 per case of 2500.

FANCY CUT VALLEY always on hand at market price.

H. N. BRUNS,

1409-1411 W. Madison Street, CHICAGO, ILL.

Please mention the American Florist when writing.

CHOICE

LILY of the VALLEY

in large quantities, the finest that is grown, $4 and $5 per 100.

JOHN WOLF, SAVANNAH, GA.

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E. H. Hunt,

WHOLESALE.....

Cut Flowers

THE "OLD RELIABLE,"

76 Wabash Ave., CHICAGO.

GEO. REINBERG,

Wholesale Grower of *Cut Flowers*

Choice American Beauties.

We will take care of your orders at reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.

Headquarters for American Beauty.

51 Wabash Ave., CHICAGO, ILL.

JOHN MUNO,

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Room 221, 51 Wabash Ave., CHICAGO.

TELEPHONE CENTRAL 3598. All telegraph and telephone orders given prompt attention.

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Wholesale Growers of and Dealers in **Cut Flowers**

All telegraph and telephone orders given prompt attention.

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35-37 Randolph Street, CHICAGO, ILL.

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SAMUEL S. PENNOCK,
Wholesale Florist,
1612-18 LUDLOW ST., PHILADELPHIA, PA.

GEO. A. SUTHERLAND,
34 Hawley St., BOSTON.
Telephone 1270 Main.
BEST BOSTON FLOWERS. All Supplies.
An entire floor Devoted to Stock and Manufacturing. Distributing Agent for United States for the wonderful

"Floral" LETTER, unequalled for design work. Script, any color, 3½c a letter. Block letters, 1½c each. The most elaborate design work to order in a few minutes.

GENERAL AGENTS:
H. BAYERSDORFER & CO., Philadelphia.
REED & KELLER, New York City.

SPECIALTIES THIS WEEK:
Special American Beauty,
CARNATIONS,
Lily of the Valley, Violets.

CITY HALL CUT FLOWER MARKET
WELCH BROS., PROPS.
9 CHAPMAN PLACE,
15 PROVINCE STREET.
Boston, Mass.

The best market for Growers who can ship good Cut Flower stock.

J. K. ALLEN,
106 West 28th Street,
Telephone 167 Madison Sq. NEW YORK CITY.

N. F. McCARTHY & CO.
84 Hawley St., BOSTON,
ARE RECEIVING ELEGANT ROSES
ALL VARIETIES.
DON'T YOU WANT SOME?
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Geo. M. Moss,
WHOLESALE FLORIST,
32 South 17th Street, PHILADELPHIA, PA.
Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.

Wholesale Flower Markets

BOSTON, Feb. 19.

Roses, Beauty, extra	35.00@60.00
" " medium	12.00@20.00
" " culls	6.00@ 8.00
" Bride, Bridesmaid, Meteor.	4.00@ 6.00
" extra	8.00@10.00
Carnations	1 50@ 2 00
" fancy	3.00@ 4 00
Lily of the valley	2.00@ 3.00
Violets	.30@ .60
Harrisii lilies	8 00@12.50
Freesia	1.00@ 1.50
Narcissus Paper White	1.00@ 1.50
" Yellow	2.00@ 4.00
Roman hyacinths	.75@ 1.50
Tulips	2 00@ 3.00
Callas	8.00@10.00
Adiantum	.50@ 1.00
Smilax	10.00@12.00

PHILADELPHIA, Feb. 19.

Roses, Tea	5.00@ 8.00
" " extra	10.00@12.00
" Beauty, extra	50.00@65.00
" " firsts	30.00@40.00
" Queen of Edgely, extra	75.00
" " " firsts	25.00
Carnations	1.00@ 3.00
Lily of the valley	4.00@ 5.00
Asparagus	25.00@50.00
Smilax	12.50@15.00

BUFFALO, Feb. 20.

Roses, Beauty	7.00@35.00
" Bride, Bridesmaid, Meteor	6.00@15.00
Carnations	1.50@ 4 00
Violets	.50@ 1.00
Lily of the valley	3.00@ 4.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.50

Give Us a Trial. We Can Please You.

Roses, Carnations and all kinds of Seasonable Flowers in stock.
WM. F. KASTING, Wholesale Commission Florist,
481 Washington St., Buffalo, N. Y.
Dealer in Florists' Supplies and Wire Designs.
Open Day and Night.

Marketing
For Flowers is a pleasure if done at the headquarters of the

The New York Cut Flower Company

Here is the choicest stock of the most eminent growers, fresh every morning and in full variety.
Goods selected and shipped to any part of the country.
Always room for growers looking for an outlet for good cut flower stock.

DAILY REPORTS. WEEKLY PAYMENTS.

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Cut Harrisii Lilies.

I am growing the largest batch of lilies in New England. Have over 50,000 Harrisii besides plenty of Japans for Easter. Can supply blooms all the time from now till spring. Can fill orders for any quantityat an hour's notice.

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BEAUTIES, BRIDES, BRIDESMAIDS, METEORS, LIBERTIES.
Lily of the Valley.
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Telephone No. 1998 Madison Square.

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WHOLESALE FLORISTS 42 West 28th Street, NEW YORK,
Are shipping the finest Roses, Carnations, Valley, Orchids, Novelties, in the New York Market. Price List to Applicants.
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All business, selling or shipping, strictly commission.

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ORCHIDS, ROSES, CARNATIONS, VALLEY.
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Surpassing Carnations, Violets,
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Therefore a profitable place to send your Flowers.
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Choice Carnations. Selected Roses.
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Wholesale Flower Markets

NEW YORK, Feb. 19.

Roses, Beauty, select	40.00@60.00
" " medium	10.00@30.00
" " culls	1.00@ 3.00
" Bridesmaid, Bride, Meteor	2.00@ 6.00
" " " extra	8.00@12.00
" Liberty	2.00@ 5.00
" Liberty special	8.00@20.00
Carnations	1.50@ 2.50
Carnations, specialties	4.00@ 5.00
Violets	.30@ .75
Lily of the valley	1.50@ 3.00
Roman hyacinths	.75@ 1.00
Paper White narcissi, Freesia	1.00@ 1.50
Yellow narcissi	1.50@ 3.00
Callas	10.00
Sweet Peas	1.00
Tulips, single	2.00@ 3.00
" double	3.00@ 4.00
Lilac, per bunch	1.00
Harrisii lilies	10.00@15.00
Cattleyas	10.00@40.00
Mignonette	2.00@ 6.00
Smilax	10.00@12.00
Asparagus	25.00@50.00
" Sprengeri, per doz. bun.	2.00@3.00
Adiantum	.75@1.00

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Receivers and Shippers of
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Best Violets in New York market.
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Largest Grower of... in the West. Cut Flowers
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CUT FLOWERS AT WHOLESALE.

All Roses, Violets

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

J. E. NORTHRUP, Pres.; S. F. LEONARD, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

Twentieth annual convention, Twin Cities, Minn., June, 1902.

VISITED ST. LOUIS: J. W. Begbie, of Clucas & Boddington Company, New York.

LEON ARCHIAS, father of L. H. Archias, of Sedalia, Mo., died at Kansas City February 16.

JOHN LEWIS CHILDS, Floral Park, N.Y., is on a hunting trip with R. D. Hoyt, at Seven Oaks, Fla.

VISITED CHICAGO: Henry A. Salzer and wife, La Crosse, Wis.; Jerome B. Rice, Cambridge, N. Y.; J. E. Northrup, Minneapolis; Chas. P. Braslan, San Jose, Cal.

JESSE E. NORTHRUP, president of the American Seed Trade Association, reports a good programme outlined for the June meeting. At the gathering of the executive committee at Chicago last Saturday Minneapolis was selected as the place for the next annual meeting, the exact date in June to be fixed by President Northrup and Secretary Willard.

PROF. F. LAMSON SCRIBNER, formerly chief agrostologist, Department of Agriculture, now Chief of the Insular Bureau of Agriculture, Philippine Islands, will have his headquarters at Manila. His force consists of five well experienced men, W. S. Lyon, tropical agriculturist; Thos. Hanley, plant culturist, and three others. By the authority of the Philippine commission they take with them when they sail from New York, February 22, between ten and twelve tons of American field and vegetable seeds, between $2,000 and $3,000 worth of agricultural implements and quite a number economic and exotic plants.

New York.

TRADE QUIET AND BUSINESS SADLY INTERRUPTED BY BIG STORM.—ROSES MORE PLENTIFUL.—BULBOUS STOCK SELLING LOW.—CLUB PROCEEDINGS IN PERMANENT FORM.—SOME GOOD EXHIBITS.—VARIOUS NOTES.

It is rather quiet in and about the wholesale flower markets this week. The heavy snowstorm of Monday made lots of trouble for shipments coming in and in many instances the delay was extraordinary, but it made little difference as far as results were concerned, as the demand amounted to but little and still shows but slight disposition to rally. Roses are much more plentiful and prices are on the downward course. The accumulation of bulbous stock is very heavy and daily increasing, so that he who gets the cost of his original investment out of some varieties is doing remarkably well.

At the joint meeting of the American Institute and Eastern New York Horticultural Society on February 12 and 13, first prize for violets was won by Geo. T. Schunemann and second by C. G. Velie. Siebrecht & Son were first for a handsome collection of flowering plants, W. C. Russell for collection of carnations and several vases of roses, and Cottage Gardens for Carnation Mrs. Theo. Roosevelt. Lager & Hurrell made a beautiful exhibit of orchids that were much admired and H. T. Clinkaberry showed a comprehensive group of rare cypripediums.

The proceedings of the New York Florists' Club for 1901, just received from Secretary John Young, is a neat pamphlet containing the essays and lectures delivered before the club during the year, together with the reports of secretary, treasurer and award committees and the list of members and committees. The complete schedule of prizes offered for the Madison Square Garden exhibition next November accompanied it and extra copies thereof may be had on application to the manager, Wm. Plumb, 51 W. Twenty-eighth street.

The steamship Statendam which arrived on Tuesday, February 4, had among her passengers nineteen individuals representing fifteen Holland bulb firms and still there are more to come.

The orchid house in Central Park has now been ventilated for a month by the Chadborn automatic device, which works so satisfactorily that the commissioners contemplate installing it in all their houses.

Harry Schmutz will open a flower store March 1 at 789 Flatbush avenue, Brooklyn.

Some elegant Acacia pubescens is coming in now from H. Maenner, of Maspeth.

Louis Dupuy is in it again this year with fine ericas, lilies, etc., for Easter.

Visitors: Mr. and Mrs. Fred. Danker, Albany.

READING, MASS.—Ingram & Lynes have dissolved partnership and the business will be carried on hereafter by Charles Ingram.

TRADE MARK.

On hand for immediate delivery.

Cycas Stems,

Lilium Auratum,

Lilium Album in finest quality.

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Cow Peas. The Famous Forage Crop and Soil Improvers.

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Write for prices, and our interesting Catalogue giving full information about these crops.

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SPECIALIST IN

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HUNT'S SUPERB

SWEET PEAS.

	Lb
America, crimson and scarlet, irregularly striped and running to solid color. Wings striped a clear carmine. Fine grower and bloomer.	$ 40
Aurora, variegated, crimson and white, striking bright orange stripes and flaking on white ground	40
Brilliant, very intense, best scarlet	30
Blanche Burpee, pure white, large	30
Blanche Ferry, pink and white	25
Blanche Ferry, Extra Early, the earliest flowering of all	30
Butterfly, white, delicately tinted	30
Bride pure white, of great merit	45
Blushing Beauty, delicate blush, pink with faint lilac	30
California, delicate pink, flowers finely formed	40
Captain of the Blues, true blue	35
Cardinal, scarlet, early vigorous grower	30
Countess of Powis, standards rose orange, wings bright clear rose	40
Countess of Radnor, excellent type, mauve	40
Crown Jewel, standards delicate creamy rose, slightly clouded with a trace of violet	30
Cupid, dwarf, white	75
" " pink	1 00
Delight, pinkish white blush	35
Dorothy Tennant, reddish mauve, a favorite	40
Duchess of Edinburg, bet'n scarlet and crimson	25
Duke of Clarence, first-class, scarlet	35
Emily Henderson, pure white	25
Emily Lynch, of exceptional merit, flaked primrose with delicate pinkish venation	35
Eliza Eckford, standards flaked and suffused with delicate rose, wings lightly blushed	30
Firefly, leading brilliant scarlet profuse bloomer	35
Gaiety, striped, bright rosy lilac	30
Golden Gate, blended lilac	40
Gray Friar, speckled, fine	50
Her Majesty, large, clear rose pink shaded primrose, vigorous, profuse bloomer	30
Katherine Tracy, large pink, excellent	30
Lady Nina Balfour, probably the best formed of all sweet peas, a soft rich heliotrope pink, perfect health of habit	45
Lady Penzance, rare tint of delicate rose, silken and thread like lacings	30
Lottie Eckford, white, suffused with heliotrope	30
Mars, a gorgeous crimson flower of large size and perfect form, blends to deep purple	40
Maid of Honor, fine, similar to Butterfly	40
Meteor bright orange salmon	45
Mrs Eckford, delicate primrose	35
Mrs. Sankey, pure white of perfect form	35
Mrs. Gladstone, delicate rose pink, blooms well in cool weather	30
Monarch, very similar to Waverly	30
Orange Prince, rich salmon	35
Prima Donna, perfect in form, beautiful pink	40
Painted Lady, beautiful pink and white, vigorous grower, profuse bloomer	25
Peach Blossom, very pleasing, standards creamy pink, delicate carmine throat	30
Primrose, deep primrose	30
Princess Beatrice, pink, wings delicate rose	30
Queen Victoria, delicate sulphur yellow, tinted purple	50
Red Riding Hood, an absolutely new departure, a pleasing rosy pink, shading to bluish white, extremely early, profuse bloomer, excelling all other sorts, delightful fragrance, long stems	40
Royal Robe, very like Blushing Beauty, lilac	30
Senator, chocolate striped, white ground, immense bloom	30
Shahzada, a true grandiflora type, three flowered, long stems, g and deep maroon	40
Splendor, similar to Her Majesty	30
Triumph bright pink, suffused with scarlet and orange	50
Venus, blended, pink, salmon and rose, finely formed	30
Waverly, claret, blue blendings	40
Hunt's Unrivaled Mixture, many mixtures are made from last season's stock with a little new added. Not so with our unrivaled. It is purely first-class and composed of over 100 varieties, every one of which has been selected with the greatest care. We pride ourselves on this assortment and know that it will give entire satisfaction	60
Eckford's Mixtures	30
Fine Mixed, all colors; 5 lbs., 80c	20

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RIBBONS FOR EASTER.

Some of the colors we supply are American Beauty, Bridesmaid, Meteor, Lavender, White, Cream, Purple, Green, Yellow, Orange, Lilac, Pink, Violet, Black, and all the different shades of leading colors. Send us your order now. You cannot duplicate this quality of Ribbon for less than 20 per cent higher prices elsewhere.

No. 2	No. 5	No. 7	No. 9	No. 12	No. 16	No. 22	No. 30	No. 40	No. 60
25c	50c	65c	75c	$1 00	$1.15	$1.25	$1.50	$1.85	$2.25

We can supply Satin, Gauze or Taffeta Ribbons at above prices.

SILVER BIRCH BARK WARE.

Handle Baskets—8-in., $11.00 per doz.; 9-in., $13.00 per doz. **Nick of the Woods**—13-in. high, $18 00; 15-in. high, $20.00; **Canoes**—9-in., $4.20; 12-in., $5.70; 15-in., $7.80. **Logs**—6-in., $2.00; 9-in., $3.00; 12-in., $4 00; 15-in., $5.00; 18-in., $6 00; 21-in., $7 00; 24-in., $8.00. **Shoe**—6-in., $5.00; 10-in., $10.00; 14-in., $15.00; 18-in., $20.00. **Pot Wrappers**—4-in., $1 00; 5-in., $1.50; 6-in., $2 05; 7-in., $2.75; 8-in., $3.75. **Lined Double Pot Covers**—4-in., $2 40; 5-in., $3.00; 6-in., $4.00; 7-in., $5.00; 8-in., $6.00. Write for full price list.

Our Stock of supplies consists of large stock and assortment of Flower and Plant Baskets, Silk Cords, Porto Rican Matting, Artificial Plants and Flowers, Wheat Sheaves, Doves, Sphagnum Moss, Boquet Pins, Cycas Leaves, Cycas Wreaths, Moss Wreaths and everything required by the up-to-date florist. HEADQUARTERS FOR CUT FLOWERS OF ALL KINDS.

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have been the standard of excellence for a hundred years, and were awarded the **GOLD MEDAL** both at the Paris Exposition of 1900 and Pan-American 1901. Our Wholesale Price List of Flower Seeds, etc., for Florists, will be mailed on application, and our Trade Price List of Vegetable and Flower Seeds to seed dealers.

J. M. THORBURN & CO.

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36 CORTLANDT STREET, NEW YORK

LILIUM HARRISII.

As reliable stock as is produced on the Island, raised, crop-rogued, inspected, and packed by a grower always on the ground.

We offer this (V) brand of Harrisii as averaging the most reliable stock exported. Orders placed now can be supplied, late ones could not be filled last year and may not be this. Write for prices on 5 to 7, 7 to 9, and 9 to 11.

White Roman Hyacinths.

12 ctms. and upward, being the whole crop above the 12 ctm. size, no 13 to 15 ctms. being taken out.

150,000 of this grade imported by us the past season proved very satisfactory and we offer 1902 crop of same, confident that this grade contains the best value possible for the price here stated, which is made for early orders. Remember the size contains all the bulbs in the crop above 12 ctms. and up to 16 ctms. In case lots, per 1000, $24.00; 3 case lots, per 1000, $23 50.

N. B.—Our usual percentage of extra early deliveries will be made.

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Special Offer Sweet Peas

25 LARGE-FLOWERING VARIETIES AT 30c. PER POUND.

(By mail 8 cents per pound additional.)

America, cardinal and white.
Black Knight, deep maroon.
Blushing Beauty, pink.
Bride, pure white.
Coquette, yellow and lavender.
Countess of Radnor, lavender.
Dorothy Tennant, rosy mauve.
Duke of Sutherland, maroon.
Golden Gate, lavender.
Emily Henderson, white.
Extra Early Blanche Ferry, rose and white.
Johnson & Stokes' Giant Mixed.
Katherine Tracy, pink.
Lady Mary Currie, pink and lilac.
Lady Nina Balfour, mauve.
Mars, crimson and scarlet.
Oriental, orange salmon.
Primrose, primrose yellow.
Prince of Wales, light pink.
Prince Edward of York, scarlet.
Queen Victoria, primrose and purple.
Royal Robe, pink.
Salopian, scarlet.
Sensation, white.
Stella Morse, primrose and pink.

JOHNSON & STOKES, 217-219 Market St., Philadelphia, Pa.

SWEET PEAS

FRESH STOCK, 1902.	Oz.	Lb.
Blanche Burpee, pure white	.5	.30
Blanche Ferry, pink and white	.5	.25
Lady G Hamilton, azure blue	.5	.40
Salopian, brilliant scarlet	.5	.25
Mont Blanc	.20	1.50
Earliest of All	.5	.40
Lovely	.5	.30
McCullough's Premier Mixed	.5	.35

MUSHROOM SPAWN, English Mill-track, fresh stock, $7 per 100 lbs.

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SWEET PEAS

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THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
R. C. BERCKMANS, Pres.; R. J. COE, Vice-Pres.
GEORGE C. SEAGER, Rochester, N. Y., Sec'y.
Twenty-seventh annual convention, Milwaukee, Wis., June, 1902.

I. J. BROKAW is establishing a nursery at Palestine, Tex.

PETITIONS in bankruptcy have been filed at Des Moines by Porter & Blattner and Carl F. Blattner, nurserymen, of Prairie City, Ia.

AT Fredonia, N. Y., John H. Foster, for fourteen years foreman for Lewis Roesch, and R. B. Griffith have gone into the nursery business as Foster & Griffith.

AT its meeting last week the Eastern New York Horticultural Society, Geo. T. Powell, president, voted to merge the organization with the New York State Fruit Growers' Association. Lack of financial support was the reason advanced.

C. H. PERKINS, of Jackson & Perkins Company, Newark, N. Y., accompanied by his wife, is spending about two months at Orange, California, where the firm is growing rose bushes in large quantities. Mr. Perkins is also interested in the handling of California products, such as raisins, oranges, honey, prunes and apricots.

Montreal.

LOCAL CLUB CONSIDERING SEVERAL RADICAL MOVES.—NEW PRESIDENT ASSUMES OFFICE.—TRADE GOOD.

George Trussel, the newly elected president, took the chair at the last club meeting. Some vital questions were laid down for discussion at the next meeting, namely, would it be advisable to amend our by-law concerning life members? Would it be advisable to consolidate with the Montreal Horticultural Society? A. Wilshire made a motion that a special committee should be appointed to interview the mayor, one of our honorary members, and seek a grant from the government, as other similar societies have. The committee is A. Wilshire, Jno. Walsh, J. McKenna and W. Whitting. The club will move to other quarters soon and the meetings will be changed to the first and third Monday in each month.

Retail trade is keeping up nicely and the supply seems to be plentiful in most lines although the past month has not been very bright and a furious blizzard struck Montreal in the beginning of February. G. V.

Toronto.

TRADE UNEVEN SINCE THE BEGINNING OF LENT.—STOCK MORE PLENTIFUL.—CLUB MEETING.—VARIOUS TRADE DOINGS.

The regular meeting of the Florists' and Gardeners' Association was held in St. George's Hall February 18. The weather was miserably cold and a steady wind was blowing, so that most of "the boys" were kept at home shoveling coal. Arrangements were made to hold the annual carnation meeting in the Pavilion of the Horticultural Gardens early in March. It is expected that most of the novelties of 1902 will be shown and the display is expected to excel even that of last year. James Goodier, orchid grower of Exhibition Park, had on view some fine specimens of Dendrobium nobile and other varieties.

For the first week of the Lenten season trade has been very uneven. Roses are more plentiful than for the past month and the quality is good. Carnations continue plentiful, white being in the best demand, and most lines of stock are in good supply, excepting Harrisii, which will with difficulty be brought in for Easter. St. Valentine's day is continually getting better from a trade view-point. This year quite a run was experienced on violets, which sold readily in hampers and fancy baskets. Dunlop's are showing some nice lilac plants.

F. C. Miller, who seriously injured his eye last November, has been confined to his home since, but it is expected with better weather that he will regain his former health and vigor.

Grobba & Wandrey are cutting from their house of 25,000 freesias, planted in solid benches and doing exceedingly well.

Jno. H. Dunlop and Walter Muston went to the carnation meeting at Indianapolis. H. G. D.

Madison, Wis.

Trade here has been fairly good since the holidays and the local florists are looking forward to and preparing for lively Easter business. Victor Wayman, with store on W. Mifflin street and greenhouses on E Gorham street, finds all he can attend to. He may put up more glass this year, if the price of material does not go too high.

Fred. Rentschler is now well settled in his new place, which consists of three houses 22x76, two 16x76 and one 17x65 feet. The houses are well built in modern style, with well arranged offices and sheds. He has put in the Evans ventilator and the entire establishment is lighted by electricity. The houses are well filled with good commercial material—too well filled, indeed, and he will put up a new rose house, 16x103 feet this season to give better facilities for his increasing trade

Miss Emma Guillaume, daughter of Mrs. A. Guillaume, of La Crosse, who has been located about a year at the branch retail store, 102 State street, reports that her experience with the new venture has been decidedly satisfactory, with the outlook most encouraging.

Prof. Goff and his assistant, Frederic Cranefield, are busy at the Experiment Station greenhouses with the large class, 300 students, now taking the short course in horticulture.

Among recent visitors were Martin Foley and Wm. Toole, of Baraboo, and Frederic William Taylor, of the Louisiana Purchase Exposition.

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Rhododendron Maximum AND Kalmia Latifolia
The two best native Evergreen Shrubs for out-of-door ornamentation. Furnished by car load lots or in smaller quantities. Send for prices, also Special Rhododendron circulars. VINCA MINOR—10,000 3-inch clumps for sale cheap. Fine lot of general nursery stock.
EASTERN NURSERIES, M. M. Dawson, Mgr. Jamaica Plain, Mass.

Park Architects and Dealers
will find whatever they want in the
Holland Nurseries, DeBilt near Utrecht
HOLLAND.
SPECIALTIES ARE: Conifers, Evergreens, Hardy Shrubs, Lilacs, Ornamental Trees, Fruit Trees in different forms, Azaleas, Rhododendron Ponticum and Hybridum.
Please send list of your wants and write for general catalogue. We will make you special offers. Write to
GROENEWEGEN & ZOON,
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B. W. DIRKEN,
Oudenbosch, Holland.
ORNAMENTAL AND FOREST TREES A SPECIALTY.
Conifers, Evergreens, Hollies, Etc.
Prices on Application.

ROOTED CUTTINGS OUR SPECIALTY—Verbenas, all standard named kinds, 60c per 100; $5.00 per 1000. Heliotrope, 14 named varieties, $1.00 per 100; $8.00 per 1000. Petunias, 24 varieties, $1.25 per 100. Salvias, 5 varieties, $1.00 per 100. Ageratums, 5 varieties, 60c per 100. Celsus, 34 varieties, 60c per 100; $5.00 per 1000. Alyssum, $1.00 per 100. Express prepaid on all Rooted Cuttings. Satisfaction guaranteed. Cash with order. Write—
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Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.
Morrisville, Pa.

Rhododendrons "Mtn."
Choice plants, 6 to 10 in., 75c per 10; $5.00 per 100
" " 12 to 18-in., $1.50 per 10; 12.50 per 100
Special prices on large lots. Cash with first order.
Rhododendron Leaves for festooning, 50c per 1000
J. N. PRITCHARD, Elk Park, N. C.

AZALEAS, 10 to 12-in., 40 cents each; large plants, 50 cents. CYCLAMENS, 4-in., $8 per 100; CYCLAMENS, 5-in., $1.50 per dozen. CINERARIAS, 4-in., $8 per 100; CINERARIAS, 5-in., $1.50 per dozen. CRIMSON RAMBLER ROSES, 2 to 3-ft., 50 to 75 cents each. HARRISII LILY PLANTS, 10 cents per bud. OBCONICA PRIMROSES, 4-in., $1.00 per dozen. All the above are guaranteed right for Easter.
WHITTON & SONS,
City and Green Sts., Utica, N. Y.

American Florists Ads
Always do business,
Week days and every day
Sundays and holidays,
All over the country,
At home and abroad.

WE TOOK SIX PRIZES at the NATIONAL CARNATION SHOW at INDIANAPOLIS

1st prize for best 100 Red.
prize for best 100 Lawson.
prize for best 100 Yellow.

2nd prize for best 100 Prosperity.
prize for best 100 Maceo.
prize for best 100 Mrs. Bradt.

Our Carnations were pitted against all the prominent growers of the country and we feel very proud of our success. When wanting fancy stock buy direct of the growers and get the freshest and choicest stock in the West.

Bassett & Washburn,

Store 76 Wabash Ave., Chicago.

Greenhouses, Hinsdale, Ill.

COMMISSIONS CARRIED OUT IN LONDON

or any part of Great Britain.

Messrs. WILLS & SEGAR will attend to any commission from American florists for the supply of Cut Flowers, Birthday Flowers, Bouquets, High Class Floral Designs, etc., to their clients who may be traveling in England.

WILLS & SEGAR, Court Florists to His Majesty, The King.
ROYAL EXOTIC NURSERY.
TELEGRAMS, FLOSCULO LONDON. Onslow Crescent, South Kensington, LONDON, ENGLAND.

The Coming Scarlet Carnation,

CHALLENGER

Absolutely the best and most free flowering Scarlet Carnation ever introduced, large size, splendid color, never bursts, flowers early and all the time. Certificate R. I. Florists' Club; R. I. Hort. Society. Price for strong well rooted cuttings ready now, dozen, $2.00; twenty-five, $3; 50, $5; 100, $10; 1000, $75.

William Hoffman, Florist, Pawtucket, R. I.

CARNATIONS

Rooted Cuttings of all the new 1902 and best standard varieties. Send for price list.

WILLIAM SWAYNE,
BOX 226. KENNETT SQUARE, PA.

Kennicott Bros. Co.

WHOLESALE COMMISSION FLORISTS
AND DEALERS IN ALL KINDS OF **FLORISTS' SUPPLIES.**

WE are supplying all comers for roses, even in the times of greatest scarcity in the rose market. Qualities are excellent. Carnations were never better. Whatever you want, you can get it here.

Specialties: Klehms' Novelty Tulip and Lily of the Valley from home grown pips, the biggest valley ever grown.

42-44 Randolph St., CHICAGO.

ROBT. CRAIG & SON,
Roses, Palms
and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa.

RAFFIA NATURAL COLORED.
VAUGHAN'S SEED STORE,
CHICAGO and NEW YORK.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 79 Milk St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At New York.

Monday, February 17, was one of the stormiest days experienced here in ten years, but there were three of the regnlars who braved the trip to the bowling alleys and they were helped out by a new recruit, no less a personage than Mr. William Bogart. Ten games were reeled off, of which the following are samples:

Mansfield	194	191	159
Hafner	156	157	184
Lang	224	205	216
Bogart	212	96	73

At Flatbush.

The following is the record made on Flatbush alleys on Thursday evening, February 20:

Player	1st.	2d	3d
H. Daillledouze	135	120	124
P. Daillledouze	121	143	98
Wocker	155	151	168
Schmutz	173	147	144
Woerner	120	139	122
C. Zeller	94	85	87
Riley	190	179	165
Raynor	101	139	102
Stewart	121	128	95
Butterfield	135	167	163
A. Zeller	187	119	110

At Newport.

On the evening of February 12 five Newport gardeners were defeated by a team of Newport artillery officers. It was a return match, the gardeners having won out in the first contest. Following is the score:

GARDENERS.	1st	2d	3d	T'l
Gardner	113	109	91	313
Stark	99	117	126	342
Smith	107	133	112	352
Doe	73	119	141	327
Patterson	123	107	122	352
Total	515	579	592	1686
Artillerymen	620	607	686	1913

At Chicago.

On Tuesday evening, February 18, several familiar faces were missed from the bowling alleys, owing to their wearers being en route to Indianapolis with them. Following is the score:

ALL STARS	1st	2d	3d	T'l
Chas. Ba luff	141	144	180	465
C. A. Hunt	140	128	119	387
John Degnan	149	148	153	450
Geo. Pieser		112	131	246
Total	430	532	586	1548
WHOLESALERS	1st	2d	3d	T'l
Jos. Foerster	182	149	169	500
Chas. Hughes	127	155	142	424
John Sterrett	168	171	126	465
Winterson		99	166	265
Total	477	574	603	1654
GROWERS	1st	2d	3d	T'l
Geo. Stollery	147	180	190	517
Fred. Stollery	169	159	214	542
J. P. Sinner	97	118	67	282
C. Schafer	147	149	129	425
Total	560	606	600	1766
RETAILERS	1st	2d	3d	T'l
John Lambros	193	123	205	521
Ed. Enders	139	148	128	415
Ed. Hauswirth	117	180	172	469
Geo. Asmus	144	168	151	466
Total	593	619	659	1871

There is a match game on for the Star alleys next Monday night, E. C. Benthey against P. J. Hauswirth, ten games, total pins to count.

At Jamestown, N. Y.

The bowling club of the employes of the Lakeview Rose Gardens has been permanently organized by the election of the following officers: President, W. N. Coyne; treasurer, M. McCne; secretary, Jas. Lydens; corresponding secretary, Alex. Scott; manager, Jas. Brooks. The management of the firm will give a suitable trophy for competition and it is likely that a bowling alley will be erected at the greenhouses this summer, in conjunction with the clubroom and library At present two teams composed of rose growers and carnation growers are rolling a series of games. The following is the score made February 13:

ROSE GROWERS.

Player	1st	2d	3d	T'l
Wm. Coyne	163	123	116	402
M. McCue	135	112	117	364
C. Gunton	102	152	153	407
Ed. Boyer	114	108	137	359
Jas. Brooks	109	117	89	315
Fred. Connors	123	114	85	322
Carl Carson	86	117	111	314
Total	832	843	808	2483

CARNATION GROWERS.

Player	1st	2d	3d	T'l
J. Doxie	116	90	86	292
J. Lydens	125	141	134	400
C. Hennon	133	102	120	355
J. Eidens	114	114	93	321
A. Scott	129	141	140	410
Wm. Bennett	109	60	79	248
F. Gunton	111	93	149	353
Total	837	741	801	2379

A. S.

At Philadelphia.

The bowlers give the pin boys but little rest these days, as the matinee and evening performances are generally well attended. The associate members are the most constant, having more time at their command. There is a record slate which contains the highest scores of the day, week, month and year, and also the highest single game on record for the alleys and the best triple, or three game totals. No game that does not pass the double century mark finds a place on the board and these are often changed several times a day. William Gibson has been presented by some of his friends, who know his fondness for the game, with a miniature set of ten pins. It is said that "Billy" practices on these at home and as a consequence a new coat of plaster has been found necessary.

On Monday, February 17, the Florists defeated the Century Wheelmen, teams of five, in their regular schedule in the Bowling League tourney. It was a great contest, for the defeated team averaged 538 pins per man and the victors 565. The total of 2824 is very nearly up to the record for this city. The winning puts the Florists well in the lead and practically assures them of the championship.

K.

WHOLESALE

PRICE LIST

of Cut Flowers.

BEAUTIES.

Stems, 36 inches, per doz.,	$4.00
" 30 " "	3.50
" 24 " "	3.00
" 20 " "	2.00
" 15 " "	1.50
" 12 " "	1.00
" 6 to 8 in. per 100, $6.00	8.00

	Per 100
BRIDES and MAIDS	$5.00 to $8.00
METEORS	4.00 to 8.00
GOLDEN GATE	4.00 to 8.00
PERLE	3.00 to 6.00
CARNATIONS	1.00 to 1.50
" fancies	2.00 to 3.00
VIOLETS, double	.40 to 1.00
" single	.50 to .75
MIGNONETTE, per doz.	.35 to .50
CALLAS, per doz	1.25 to 1.50
HARRISII, per 100	10.00 to 12.50
VALLEY	2.00 to 3.00
" Special	4.00
TULIPS	3.00 to 4.00
DAFFODILS	2.00 to 3.00
ROMANS	2.00 to 3.00
PAPER WHITES	2.00 to 3.00
FREESIAS	2.00 to 3.00
ASPARAGUS PLUMOSUS, per string	.65 to .75
ASPARAGUS SPRENGERI, per 100	3.00 to 4.00
ADIANTUM	1.00 to 1.50
SMILAX, per doz.	1.75
LEUCOTHOE, per 100	.75
GALAX, per 1000, $1.00	.15
FERNS, per 1000, $2.00	.25

KENNICOTT BROS. CO.

WHOLESALE COMMISSION FLORISTS,

42-44 Randolph St., Chicago.

Roses Brides, Maids and Golden Gates, 2½ inch stock in fine condition. $2.25 per 100; $18 per 1000. Ready for delivery.

West View Floral Co., Knightstown, Ind.

Please mention the American Florist when writing.

SWEET PEAS, VALLEY, VIOLETS, CARNATIONS, HARRISII, CALLAS, TULIPS

and any other kind of flowers.

HOLTON & HUNKEL CO.,

457 Milwaukee St., Milwaukee, Wis.

Please mention the American Florist when writing.

Four New Carnations for 1902

Sales limited to 25,000 of each variety.
Orders filled in rotation as received and booked.

ALBA

A white never showing any trace of color, largest size and perfect form.

Dorothy Whitney

The best commercial yellow we have ever grown. It gives quantity, of the best form and strong stems all through the season.

Stella

White penciled pink. Comes into flower early and shows a mass of buds and bloom throughout the entire season. This is, undoubtedly, the most satisfactory of all the variegated carnations where large flowers in quantity are wanted at all times.

Apollo

The brightest scarlet in the commercial class. It is much brighter than Crane, of equal size bloom and better stems. Early and very free.

Prices $12.00 per 100; $27.50 per 250; $55 00 per 500; $100 00 per 1000.
250 of each of above four varieties for $100.00.

The Cottage Garden Novelties

J. H. MANLEY, a large early and free scarlet.
VIOLA ALLEN, white edged and splashed rose pink.
HARRY FENN, new Harvard crimson.
VIOLANIA, sport of Bradt with less markings.
PRICE—$12.00 per 100; $27.50 per 250; $55.00 per 500; $100 00 per 1000.

OTHER 1902 NOVELTIES.

GAIETY, (Hill), white striped scarlet.
$10.00 per 100; $75.00 per 1000.
CRESSBROOK, (Warburton), pink.
$10.00 per 100; $75.00 per 1000.
MRS. E. A. NELSON, (Nelson), pink.
$10.00 per 100; $80.00 per 1000.

We can supply good stock of the 1901 introductions—Lorna, Roosevelt, Norway, Golden Beauty, Novelty, Dorothy, Prosperity, Mermaid, Irene and Egypt. Also the good standard varieties—Morning Glory, Lawson, Marquis, Crane, White Cloud, Bradt, Glacier, Maceo, Joost and others.

We ship only the best stock. If you have not already received our price list, send for it at once.

F. Dorner & Sons Co.

La Fayette, Ind.

Buffalo.

BUSINESS SUFFICIENT TO USE UP STOCK.—AZALEAS SELL WELL.—CARNATION CONVENTION VISITORS.

Trade is fair, but the supply of stock is equal to all demands. Carnations are of unusually fine quality and bulbous stock is good. Well flowered azaleas are plentiful and are meeting with ready sale. Since the beginning of Lent there has been the usual decrease in the number of parties and receptions, but otherwise business is about as usual.

Among those going to the Indianapolis carnation meeting were W. F. Kasting and family, J. F. Cowell, W. J. Palmer, D. B. Long and Wm. Scott. C. F. Guenther, of Hamburg, and T. J. Totten and his son, of Saratoga, also joined the party here.

S. B. Smiley, at Lancaster, has made a satisfactory adjustment of his fire loss and will shortly begin rebuilding operations.

Visitors: Paul Berkowitz, Philadelphia; John A. Smith, of the Walter Mott Seed & Bulb Company, Jamestown, N. Y.; Winifred Rolker, New York; A. Zirkmann, with Sigmund Geller, New York, and E. R. Frey, Rochester. W. A.

AMES, IA.—The new laboratory building of the horticultural department, Iowa State College, will be formally opened this (Saturday) evening.

DORRANCETON, PA.—Benjamin Dorrance has given the American Rose Society $50 in plate for a trophy to be given for roses exhibited at the March show, grown outside of a radius of 150 miles of New York. Not less than five varieties are called for and not less than twenty-five of a kind.

EASTER PLANTS

This rare chance to all is open for only a few weeks, so be lively with your orders. The best of all Indica Azaleas, **Mdme. Van Der Cruyssen**, is a very scarce article this season. I was lucky in my purchases in Belgium, and now offer for Easter blooming about 1500 of this variety at special low prices. 5-in. pots, full of buds, nice little plants, 40 cents each; fine specimen plants in 6-in. pots, 75 cents to $1.00 each; 7-in. pots, $1 25 to $1.50 each; extra large specimens in 9, 10 and 11-in. pots, perfect jewels, full of buds, the finest crowns you ever saw at $3.00 to $4.00 each, all last fall's importation.

All other varieties of **Azalea Indica**, 6-in. pots, 50 cents, 60 cents, 75 cents to $1.00 each; 7-in. pots $1 25 each.

Azalea Mollis, fine plants, bushy, 20 to 25 buds, only 35 cents each. Cash with order please

On account of saving express charges, please state whether to ship in pots or without pots.

I carry an immense stock of Easter flowering plants: **Cinerarias** by the thousand; yellow and white **Daisies, Spiraea Floribunda** and **S. Compacta, Hydrangea Otaksa, Begonias, Lilium Harrisii, Tournesol Tulips, Hyacinths, Daffodils, Von Sions.** Watch this advertisement for prices.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Pot Plants,

1012 Ontario Street, Philadelphia, Pa.

NEW CARNATIONS.	Doz.	100	1000
CRESSBROOK	$1.50	$10.00	$75.00
ENQUIRER	3.00	12.00	100.00
MRS. E. A NELSON	2.00	10 00	80.00
FAIR MAID	2.00	10.00	75.00
GAIETY	1.50	10.00	75.00
J. H. MANLEY	2.00	12.00	100.00
HARRY FENN	2.00	12.00	100.00
VIOLA ALLEN	2.00	12.00	100 00
NORWAY		6.00	50.00
FLORIANA		6.00	50.00
ALBA	2 50	12.00	
STELLA	2 50	12.00	
DOROTHY WHITNEY	2.50	12.00	
APOLLO	2.50	12.00	

Also other new and standard varieties.

CHRYSANTHEMUMS.

We offer all of the new varieties of 1902; also the best of 1901. A large number of last year's novelties and leading standard varieties ready now, from 2½-inch pots. Send for List.

Correspondence solicited.

H. WEBER & SONS, OAKLAND, MD.

Please mention the American Florist when writing

	Per 100
ASPARAGUS PLUMOSUS, 2½-in.	$4.00
ASPARAGUS SP ENGERI, strong, 2½-in.	2 00
ASPARAGUS SPRENGERI, strong, 3-in.	3.00

CARNATIONS

Strong plants, 2¼-in. pots.

Prosperity	$4.00
Lorna	4.00
Queen Louise	3.50
California Gold	2 50
Ethel Crocker	2.50
G. H. Crane	2.00
Joost	2.00
White Cloud	2 00
CANNAS, all the standard varieties, strong roots	2.50

GERANIUMS.

Jean Viaud	5.00
Marquis de Castelain	5.00
In variety, best bedding sorts	3.00
ROSE GERANIUMS, strong	2.50
MOONFLOWER, Ipomœa Grandiflora	3.00

	Per 100
PRIMULA FORBESI	3 00
HELIOTROPES, six varieties	2.00
SELAGINELLA, Emiliana	2.00
FUCHSIAS, in good assortment of varieties, 2½-in. pots	2.50

PALMS.

Areca Lutescens, 2½-in. pots, $30.00 per 1000	4.00
Areca Lutescens, 3-in. pots	8.00
Areca Lutescens, 4-in. pots., 3 plants in a pot	20.00
Kentia Belmoreana, 2½-in. pots	7 00
Kentia Belmoreana, 3-in. pots	15 00
Latania Borbonica, 2½-in. pots	3.00
Latania Borbonica, 3-in. pot, $10 per 1000	5 00
Pandanus Utilis, 2½-in. pots	5.00
Pandanus Utilis, 4 in. pots	15.00
Pandanus Veitchii, 4-in. pots, $6.00 per doz.	
SPIRAEAS, Nana Compacta, Astilboides, Floribunda and Japonica at	3.50
AZALEA MOLLIS, fine for Easter	35.00
TUBEROUS ROOTED BEGONIAS, single, separate colors	3.00
TUBEROUS ROOTED BEGONIAS, double, separate colors	6.00
GLOXINIAS	4.00

The Storrs & Harrison Co.

PAINESVILLE, OHIO.

Cape Jessamines ...Wanted...

Growers in the South or elsewhere who can arrange to supply Cut Blooms of Cape Jessamines regularly, please write, with particulars, to

W. J. S., Eastern Office American Florist,
79 Milk St., Boston, Mass.

Carnation Cuttings...

Well rooted, from clean, healthy stock, cool grown.

	Per 100	Per 1000
ROOSEVELT	$6.00	$50.00
PROSPERITY	5.00	45.00
NORWAY	4.50	40.00
LAWSON	4.00	35.00
LORNA	3.50	30.00
EGYPT	3.00	25.00
MORNING GLORY	2.50	20.00
CRANE	$2.00	$17.50
GENEVIEVE LORD	1.50	12.50
WHITE CLOUD	1.50	12.50
TRIUMPH	1.50	12.50
MME. CHAPMAN	1.25	10.00
FLORA HILL	1.25	10.00
PERU	1.25	10.00

WE SOLICIT YOUR ORDERS AND WILL GUARANTEE SATISFACTION.

GRAND RAPIDS VIOLET CO., Grand Rapids, Mich.

Please mention the American Florist to advertisers.

ROOTED CUTTINGS

Estelle, $5.00; Lawson, $4.00; Marquis and Elm City, $2.00; Crocker and Lord, $1.00 per 100. Other varieties on application.

Genistas, bushy plants for Easter, 6-in. pots, $4.50 per doz.

DANA R. HERRON, OLEAN, N. Y.

GERANIUMS

IN BUD and BLOOM Now ready, the best varieties in red and scarlet (mostly John Doyle). Double and single mixed, in 3-in. pots, need shifting, 50 per cent in bud and bloom, flowers strong and brilliant, foliage nicely zoned, **$4** per 100; quantities, more or less, same rates. These are fine plants, clean, healthy and strong, grown in a sunny house built for geraniums. **G. P. MOORE, OCEAN CITY, N. J.**

ROOTED CARNATION CUTTINGS

No better Carnation Blooms were ever offered in the Chicago market than those we are shipping out this season. Our plants are in perfect health and every cutting offered is well rooted and in first-class condition. We have all the fancy sorts.

	Per 100	Per 1000		Per 100	Per 1000
PROSPERITY	$5 00	$35.00	FLORA HILL	$1.50	$9 00
QUEEN LOUISE	4.50	40.00	WHITE CLOUD	1.50	9.00
NORWAY	4 00	35 00	TRIUMPH	1.50	9 00
LAWSON	3.50	30.00	SPORT (Guardian Angel)	1.50	9.00
CRANE	1.50	9.00	MARQUIS	1.50	9.00

AMERICA, $1.50 per 100; $9.00 per 1000.

All Rooted Cuttings sold under express condition that it not satisfactory when received they are to be returned immediately, when money will be refunded.

Wietor Bros.

Wholesale Growers of Cut Flowers. 51 Wabash Avenue, CHICAGO, ILL.

ROOTED CUTTINGS

of Carnations and Roses.

All Clean, Healthy Stock, Grown Cool.

CARNATIONS.

PINK VARIETIES.	Per 100	Per 1000
MRS. LAWSON	$4.00	$35.00
MARQUIS	3.00	25.00
MORNING GLORY	3.00	25.00
ETHEL CROCKER	2.00	12.50
MRS. F. JOOST	1.50	12.50
WHITE VARIETIES.		
NORWAY	5.00	40.00
WHITE CLOUD	1.50	12.50
FLORA HILL	1.50	12.50
RED VARIETIES.		
RED MRS. BRADT	2.50	20.00
G. H. CRANE	2.00	17 50
AMERICA	2.00	15.00
VARIEGATED VARIETIES.		
PROSPERITY	6.00	50 00
MRS. BRADT	2.50	20.00
MAROON VARIETIES.		
GEN. MACEO	1.50	12.50
YELLOW VARIETIES.		
GOLD NUGGET	3.00	25.00
ROSES.		
BRIDES, BRIDESMAIDS, METEORS	1.50	12.50
PERLES	2.00	15.00

Orders for less than 25 of one variety charged extra. All plants shipped from Hinsdale.

Bassett & Washburn,
STORE: 76 WABASH AVE
GREENHOUSES: HINSDALE, ILL. CHICAGO.

CARNATIONS

Owing to the dry atmosphere and high altitude diseases common to carnations are unknown with us. It will pay you to try some of our plants the coming season. We have all the leading varieties. Write for prices on rooted cuttings.

Salt Lake Floral Co., Salt Lake City, Utah.

New Scarlet Carnation "ORIOLE"

Sure to become the Standard Scarlet Carnation for florists to grow. The freest and earliest scarlet in cultivation; is always in bloom and a healthy grower. Orders booked now for February delivery. Price **$1.50** per dozen; **$10.00** per **100**; **$75.00** per **1000.**

AWARDED GOLD MEDAL AT THE PAN-AMERICAN EXPOSITION.

John B. Goetz, Saginaw, West Side, Mich.

Wild Rose

The Most Profitable Light Pink Carnation Ever Introduced

A Beautiful Shade of Light Pink.

A HEALTHY GROWER
AN IDEAL PLANT
Continuous Bloomer.

$1.50 per 12, $10 per 100
$65 per 1000.

Walter S. Nichol, Barrington, R. I.

NOTICE.

Before placing orders for Rooted Carnation and Rose Cuttings and 2½-inch Rose Plants, write your wants to

JOHN BROD, 349 WEST NORTH AVE. Chicago, Ill.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

CARNATIONS

Rooted Cuttings.

Lawson, $3 00 per 100; White Cloud, Flora Hill, John Young, Armazindy, Daybreak, Ethel Crocker, Genevieve Lord, Gold Nugget, America, Jubilee, Argyle, Melba and Gen. Gomez, $1.50 per 100.

Alternantheras, Coleus, Double Sweet Alyssum, Ageratum, Fuchsias, 60c per 100.

VINCAS. Abutilon foliage var. trailing, $1.00 per 100.

Hillsdale Floral Park, HILLSDALE, MICHIGAN.

MRS. FISHER CARNATIONS For Summer Blooming, now ready, in 2-inch.

Also have CRANE, CROCKER, JOOST, SCOTT, MARY WOOD, HOOSIER MAID and McGOWAN. Write

GEO. A. KUHL. PEKIN, ILL.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

Lowell, Mass.

MILD WINTER CAPPED BY BLIZZARD WHICH BURIES GROWERS.—TRADE LAGS AFTER LENT COMES.—PERSONAL DOINGS.

The winter, up to a few days ago, has been what one might call an open one, but at the present time we are having a regular old-fashioned New England blizzard. Some of the greenhouses on the outskirts of the city are completely submerged. Business was fairly good until Lent set in and then it took a drop. A good many violets were disposed of on St. Valentine's day. The demand for violets so far this year has been good, in fact, equal to the supply. Bulbous flowers of all kinds are in and are of good quality. The supply of roses continues to be limited and at times they are not obtainable at any price. For years the florists of Lowell have depended principally on two growers for lily of the valley, one in Connecticut and the other in Rhode Island, but the finest valley ever seen in Lowell now comes from E. N. Pierce & Sons, at Waverley.

McManamon has made a number of improvements at his store and down at Kenwood, where the greenhouses are located, they are very busy getting ready to put up a new 100-foot house and new boiler room.

Frank Sladen, gardener for Geo. W. Fifield, has some fine seedling cyclamens in 7-inch pots, some of which have 500 blooms to a plant.

M. A. Patten, of Tewksbury, left Monday for Indianapolis, to attend the carnation convention.

Otto Bourdy, who has greenhouses on the boulevard, is laid up with a severe cold.

C. L. Marshall has put in fruit, in connection with his flowers. A. M.

Lenox, Mass.

LOCAL HORTICULTTISTS HAVE A RARE PROGRAMME OF ESSAYS AND DISSUSSIONS.

On Saturday evening, February 15, Wm N. Craig, of North Easton, Mass., addressed the Lenox Horticultural Society on "Orchids," a subject of which he is most qualified to treat. The entertainment committee has arranged for the following list of entertainments for the rest of the season: March 1, A. Herrington, of Madison, N. J., subject "The hardy flower garden;" March 15, Farquahar Brothers, of Boston, stereopticon lecture on Russia; April 1, Robert Simpson, of New Jersey, subject "Roses and their culture;" April 15, C. W. Ward, Queens, N. Y., address on "Hybrids."

HARTFORD, CONN.—Son number three arrived at the home of Theodore Wirth, Hartford's genial park superintendent, last week. All's well and the proud parent is just as proud as if it was number one.

CARNATIONS

Well rooted, clean, healthy stock. Early struck cuttings make best plants.

	100	1000		100	1000
Roosevelt	$6.00	$50.00	Maceo	$2.00	$17.50
Prosperity	6.00	50.00	Bradt	2.00	17.50
Estelle	6.00	50.00	Glacier	2.00	17.50
Lorna	6.00	50.00	White Cloud	1.50	12.50
Norway	5.00	40.00	Flora Hill	1.50	12.50
Dorothy	5.00	40.00	Joost	1.50	12.50
Irene	5.00	40.00	E. Crocker	1.50	12.50
Lawson	4.00	35.00	America	1.50	12.50
Marquis	2.50	20.00	G. Lord	1.25	10.00
M. Glory	2.50	20.00	Triumph	1.25	10.00
Gomez	2.00	17.50	Scott	1.00	8.00
			Daybreak	1.00	8.00

250 at 1000 rates; 25 at 100 rates. Cash or C. O. D.

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

CARNATION CUTTINGS, ROSE CUTTINGS

Here you have them. Strong, clean, true to name and right in every respect.

	Per 100	Per 1000		Per 100	Per 1000
Mrs. Lawson	$4.00	$35.00	J. Young	$2.50	$20.00
Marquis	2.50	20.00	White Cloud	2.00	15.00
Genevieve Lord	2.00	15.00	Gov. Griggs	2.00	15.00
Ethel Crocker	2.00	15.00	Albertini	2.00	15.00
Flora Hill	1.50	12.50	Eldorado	1.50	12.50
Gen. Gomez	2.50	20.00	Victor	1.50	12.50
Mabel	3.00	25.00	Triumph	1.50	12.50
Roosevelt	6.00	50.00	Daybreak	1.50	12.50
Mrs Jas. Dean	2.00	15.00	Armazindy	1.50	12.50
Mrs. F. Joost	2.00	15.00	Iris Miller	1.25	10.00
Genesee	1.25	10.00	Wm Scott	1.25	10.00
M. Wood	2.00	15.00	Portia	1.00	8.00

ROSE CUTTINGS, EVERY PLANT SELECTED.

Brides, Maids, Meteors and Golden Gates, $1.50 per 100, $12.50 per 1000. Roses in 2½-in. pots; stock and prices right. We are headquarters for Chrysanthemum cuttings. Let us know your wants.

Lakeview Rose Gardens, Jamestown, N.Y.

Mrs. Palmer

Largest, best formed, most prolific and as good a color as any scarlet ever introduced. $12.00 per 100, $100.00 per 1000.

Mrs. Higinbotham

We can still book orders for a few more thousand of this sterling variety, the best of all light pinks. $12.00 per 100; $100.00 per 1000.

Chicot

Extra large white, beautifully striped in midwinter, extremely fragrant, finest constitution. More profitable than any standard variety on our place last season, and is doing even better now. $6.00 per 100; $50.00 per 1000.

Elegant Stock.

NOW READY TO SHIP.

	Per 100	Per 1000
BON HOMME, white	$4.00	$30.00
WHITE CLOUD, "	2.00	15.00
FLORA HILL, "	2.00	15.00
NORWAY, "	6.00	50.00
HOOSIER MAID, "	4.00	30.00
LAWSON, pink	4.00	35.00
MARQUIS, "	2.50	20.00
SUNBEAM, "	3.00	25.00
IRENE, "	4.00	30.00
CROCKER, "	2.00	15.00
JOOST, "	2.00	15.00
MORNING GLORY, pink	3.00	25.00
G. LORD "	2.00	15.00
CRANE, scarlet	2.00	15.00
ROOSEVELT, crimson	6.00	50.00
MACEO, "	2.00	15.00
GOMEZ, "	2.00	15.00
BRADT, variegated	2.50	20.00
NYDIA, "	3.00	25.00
OLYMPIA, "	2.50	20.00
GOLD NUGGET, yellow	3.00	25.00
PROSPERITY, from soil	6.00	45.00

All new varieties at introducer's prices.

Chicago Carnation Co.

JOLIET, ILL.

CARNATIONS

ROOTED CUTTINGS.

ETHEL CROCKER ..... $10.00 per 1000
HOOSIER MAID ..... $20.00 per 1000

Write for prices on other leading varieties.

POEHLMANN BROS. COMPANY,
MORTON GROVE, ILL.

Please mention the American Florist when writing

CARNATION CUTTINGS.

We are in a position to supply strictly clean, healthy, well rooted Carnation Cuttings. All the novelties and standard sorts. Whatever your wants, let us quote prices before you place an order. We can interest you. Also on

ROSES and Violet Plants

LADY CAMPBELL violets, sand rooted cuttings, $8 per 1000.

SWANLEY WHITE violets, sand rooted cuttings, $10 per 1000.

LADY CAMPBELL plants from 2-in. pots, $25 per 1000.

SWANLEY WHITE plants from 2-in. pots, $30 per 1000.

Remember that when it comes to

Wire Work

we can discount any list you ever saw, our own included. Write.

KENNICOTT BROS. CO.

WHOLESALE COMMISSION FLORISTS,
42-44 Randolph St., Chicago.

CARNATION CUTTINGS.

All the new and standard varieties, free from rust and all other diseases.
Our stock is in fine shape and all cuttings are well rooted when sent out.

	Per 100	Per 1000
HIGINBOTHAM	$12.00	$100 00
MRS. POTTER PALMER	12.00	100.00
PROSPERITY	4 00	30.00
NORWAY	5.00	40.00
IRENE	3 00	25 00
LAWSON	3.00	25.00
BON HOMME RICHARD	3.00	25.00
HOOSIER MAID	3.00	25.00
CRANE	1.25	10.00
THE MARQUIS	1 25	10.00
GENEVIEVE LORD	1 25	10.00
ARGYLE	1.00	7 50
GUARDIAN ANGEL	1 25	10.00

	Per 100	Per 1000
FRANCES JOOST	$1.00	$ 7 50
CERISE QUEEN	1.00	7 50
ETHEL CROCKER	1.25	10.00
TRIUMPH	1.25	10.00
FLORA HILL	1 25	10 00
WHITE CLOUD	1 25	10.00
PERU	1.00	7 50
AMERICA	1.50	12.50
MRS. L. INE	1.50	12 50
MRS BRADT	1.75	15.00
ARMAZINDY	1.25	10.00
MORNING GLORY	1 75	15.00
EVANSTON	1.00	7.50

ROOTED ROSE CUTTINGS.

	Per 100	Per 1000
BRIDESMAID	$1.50	$12 50
BRIDE	1 50	12.50
METEOR	1.50	12 50
GOLDEN GATE	1.50	12 50
PERLE	1.50	12 50

2 1-2 INCH ROSE PLANTS.

	Per 100	Per 1000
BRIDESMAID	$3 00	$25 00
BRIDE	3 00	25 00
KAISERIN	3.00	25 00
PERLE	3 00	25 00
GOLDEN GATE	3.00	25.00
METEOR	3.00	25.00

All Plants and Rooted Cuttings sold under express conditions that if not satisfactory when received they are to be returned immediately, when money will be refunded. Write for prices on large quantities.

Peter Reinberg, 51 WABASH AVE. Chicago, Ill.

"If you are still looking for a PROFITABLE"
HIGH GRADE
White Carnation
Don't fail to call and see, or investigate the

Gov. Wolcott.

Orders booked now will be filled in strict rotation, commencing Jan. 1st, 1902, and as fast thereafter as stock is ready. Rooted Cuttings from sand, $10 per 100; $40 per 500; $80 per 1000. Send P. O. Money Orders on Norwood, Mass.

Peter Fisher, Ellis, Mass.

Carnations...

ROOTED CUTTINGS.	Per 100	Per 1000
QUEEN LOUISE	$5.00	$40.00
LORNA	5.00	40 00
G. H. CRANE	2 00	12.50
MORNING GLORY	2 00	15.00
ROOSEVELT	6 00	
ETHEL CROCKER	1.50	12.50
GENEVIEVE LORD	1.50	12 50
DOROTHY	5.00	40.00
PROSPERITY	6.00	50.00
MRS. E. A. NELSON	10.00	80.00
CRESSBROOK	10.00	75.00

My stock is in the best of condition. Estimates given on large orders.

Albert M. Herr, Lancaster, Pa.

SYLVIA A NEW WHITE CARNATION.

As a free and continuous bloomer it beats anything we have ever grown; flowers average 2½ to 3 inches in diameter. Rooted cuttings now ready, $8 per 100; $75 per 1000.

WOODFALL BROS., Glen Burnie, Md.

CARNATIONS

Well Rooted and Healthy.

	Per 100	Per 1000
PROSPERITY, white overlaid with pink	$6.00	$50.00
GOV. ROOSEVELT, crimson	6.00	50,00
QUEEN LOUISE, white	4.00	40,00
BON HOMME RICHARD, white	4.00	30 00
IRENE, pink	4.00	30.00
TRIUMPH, pink	2.00	15 00
WHITE CLOUD, white	2.00	15.00
THOS. W. LAWSON, pink	4.00	35.00
MARQUIS, pink	2 50	20.00
G. H CRANE, scarlet	2.00	15.00
AMERICA, scarlet	2 00	15 00
MRS. BRADT, variegated	2 50	20.00
GUARDIAN ANGEL	1.75	15.00

MICHAEL WINANDY,
DEVON AVE. AND NORTH ROBEY. **CHICAGO.**

THE
MRS. E. A. NELSON

bids fair to become the **Commercial** standard pink carnation. It is an early, free and continuous bloomer and it is sure to do well wherever grown. Orders booked now for delivery latter part of March. For prices, see AM. FLORIST, Feb. 15.

E. A. NELSON,
3503 N. Senate Ave., INDIANAPOLIS, IND.

All The Best CARNATIONS

Cressbrook (Pink), Mrs. Palmer (Scarlet), Mrs Higinbotham (Pink), Mrs. Nelson (Pink), Oriole (Scarlet), Alba (Large White), Stella (Variegated), Dorothy Whitney (Commercial Yellow) and Apollo (Scarlet) at introducers' prices.

	Per 100	Per 1000
Estelle, Best Scarlet	$5.00	$40.00
Norway, Large White	5.00	45 00
Prosperity, Fancy	6 00	45.00
Queen Louise, White	5.00	45.00
Dorothy, Productive Pink	5.00	45.00
Morning Glory, Lt. Pink	2.50	20.00
Marquis, Largest Pink	2.50	20.00

Fine stock of rooted cuttings of above and twenty-five other kinds. Get our prices on what you need.

GEO. HANCOCK & SON,
GRAND HAVEN, MICH.
Please mention the American Florist when writing.

CARNATIONS

	Per 100
Lawson	$4 00
Marquis	2.75
Crane	2.00
Melba	1.50
Peru	1.50

C. HUMFELD, Clay Center, Kan.

Pueblo, Col.

TRADE ACTIVE ALL WINTER.—FINE PROSPECTS FOR SPRING.—STOCK SHORT.—NOTES.

Business has been unusually brisk here this winter. There has been scarcely a lull since Thanksgiving, with the largest Christmas trade ever known here. Since January 1 there has been almost constant call for funeral flowers and many small decorations, besides a heavy transient trade in loose flowers. And not having been able at all times to keep up the supply with our home production we have found it difficult to get flowers in Denver or Colorado Springs, showing there is no surplus there. We therefore look for a heavy Easter trade, with perhaps a shortage of stock. Owing to the number of residences and public institutions being built this winter there will no doubt be much extra planting done in the spring, but there will be a large stock of bedding plants to meet the demand.

G. Fleischer is putting up three new houses for carnations and general stock, each 20x65 feet. There is talk of other building operations, but nothing definite at present.

The beet sugar industry is assuming quite large proportions in this vicinity, with prospects of large increase the coming season.

W. P. R.

New Orleans.

GROWERS BUSY PREPARING SPRING STOCK.—NORTHERN WHOLESALERS CALLED ON FOR CUT FLOWER SUPPLIES.

All those who have quantities of bedding and other spring plants have been very busy of late bringing their stock into good shape. Most of it is now ready for the market. The winter has been very cold from the start and all the gardens around the city are without plants, so that we anticipate a very good business.

Mardi Gras is past, and a very good one it was in the flower line. The Chicago wholesale florists must certainly be satisfied with the number of orders received from our retailers lately and, in fact, all winter, for the home production has been very little. The stock received from the northern wholesalers has been very good.

We are now looking for settled, warm, sunny weather and will soon have an abundant supply of outdoor rose buds.

M. M. L.

The GUARDIAN ANGEL FLORIST, Chicago.

PRICE LIST of Rooted Carnation Cuttings.
NEW AND STANDARD VARIETIES.

The Guardian Angel is the best commercial pink carnation in the market to-day. It is a good keeper; its growth is strong and vigorous; it never bursts and is never off crop. Received 1st prize at Horticultural Exposition and first-class Certificate of Chicago Florists' Club for best pink. Rooted cuttings, $2.00 per 100, $15.00 per 1000.

NEW VARIETIES	Per 100	Per 1000
PROSPERITY, white overlaid with pink	$6.00	$50.00
QUEEN LOUISE, white	5.00	40.00
BON HOMME RICHARD, white	5.00	40.00
IRENE, pink	5.00	40.00
GENERAL LIST		
FLORA HILL, white	1.25	10.00
WHITE CLOUD, white	1.25	10.00
MRS. LAWSON, pink	4.00	35.00
MARQUIS, pink	1.50	12.00
ESTELLE, scarlet	6.00	50.00
G. H. CRANE, scarlet	2.00	15.00
MRS. BRADT, variegated	2.50	20.00
ARMAZINDY, variegated	1.25	10.00

THE GUARDIAN ANGEL FLORIST,
401 Devon Avenue, Sta. Y. CHICAGO.

Please mention the American Florist when writing.

CARNATIONS.

NOVELTIES for 1902

Yellow.

GOLDEN BEAUTY ..... $10.00 per 100, 75.00 per 1000
DOROTHY WHITNEY ..... 12.00 per 100, 100.00 per 1000

Crimson.

HARRY FENN ..... 12.00 per 100, 100.00 per 1000
GOV. ROOSEVELT ..... 6.00 per 100, 50.00 per 1000

Pink.

MRS. E. A. NELSON ..... 10.00 per 100, 75.00 per 1000
CRESSBROOK ..... 10.00 per 100, 75.00 per 1000
MRS. LAWSON ..... 4.50 per 100, 40.00 per 1000
MORNING GLORY ..... 3.00 per 100, 25.00 per 1000
WM. SCOTT ..... 1.50 per 100, 12.50 per 1000

Whites.

ALBA ..... 12.00 per 100, 100.00 per 1000
LORNA ..... 6.00 per 100, 50.00 per 1000
NORWAY ..... 6.00 per 100, 50.00 per 1000
QUEEN LOUISE ..... 5.00 per 100, 40.00 per 1000
LIZZIE McGOWAN ..... 1.50 per 100, 12.50 per 1000

Standard Varieties.

Variegated.

VIOLA ALLEN ..... 12.00 per 100, 100.00 per 1000
STELLA ..... 12.00 per 100, 100.00 per 1000
VIOLANIA ..... 12.00 per 100
GAIETY ..... 10.00 per 100, 75.00 per 1000
PROSPERITY ..... 6.00 per 100, 50.00 per 1000
MRS. G. M. BRADT ..... 3.00 per 100

Scarlet.

JOS. H. MANLEY ..... 12.00 per 100, 100.00 per 1000
MRS. POTTER PALMER ..... 12.00 per 100, 100.00 per 1000
CHALLENGER ..... 10.00 per 100, 75.00 per 1000
APOLLO ..... 12.00 per 100, 100.00 per 1000

These prices are for strong, selected rooted cuttings.

The COTTAGE GARDENS

QUEENS, L. I.

ROOTED CUTTINGS

CARNATIONS.

	Per 100	Per 1000
MRS. POTTER PALMER	$12.00	$100.00
MRS. HIGINBOTHAM	12.00	100.00
PROSPERITY	5.00	40.00
NORWAY	5.00	40.00
IRENE	4.00	35.00
MRS. LAWSON	3.00	25.00
MARQUIS	1.25	10.00
G. H. CRANE	1.25	10.00
FLORA HILL	1.25	10.00
MRS. JOOST	$1.00	$7.50
WHITE CLOUD	1.25	10.00
EVANSTON	1.00	7.50
MRS. INE	1.25	10.00
WM. SCOTT	1.00	7.50
GENEVIEVE LORD	1.25	10.00
ETHEL CROCKER	1.25	10.00
GUARDIAN ANGEL	1.25	10.00
ARGYLE	1.00	7.50
AMERICA	1.25	10.00

ROSES.

	Per 100	Per 1000
METEOR	$1.50	$12.50
PERLE	1.50	12.50
BRIDE	1.50	12.50
BRIDESMAID	$1.50	$12.50
GOLDEN GATE	1.50	12.50

ROSE PLANTS from 2½-in. pots.

	Per 100	Per 1000
METEOR	$3.00	$25.00
PERLE	3.00	25.00
BRIDE	3.00	25.00
BRIDESMAID	$3.00	$25.00
GOLDEN GATE	3.00	25.00
KAISERIN	3.00	25.00

The above named stock is clean, well rooted and free from disease.

GEO. REINBERG, 51 WABASH AVENUE, CHICAGO.

Carnation Cuttings

Perfectly Healthy. Propagated From Choice Stock. NOW READY.

Queen Louise.

The Best White Commercial Carnation, **$5.00** per Hundred; **$40.00** per Thousand.

	Per 100	Per 1000
PROSPERITY	$6.00	$50.00
MRS. THOS. LAWSON	4.00	35.00
GOV. ROOSEVELT	6.00	50.00
HOOSIER MAID	4.00	
IRENE	4.00	
NORWAY	4.00	
EGYPT	4.00	
MRS BERTRAM LIPPINCOTT	3.00	25.00
MARQUIS	2.50	20.00
MRS. G. M. BRADT	3.00	
CHICAGO	3.00	
MACEO	2.00	
BUTTERCUP	4.00	
GOMEZ	$2.00	
CROCKER	1.50	$12.50
GENEVIEVE LORD	1.50	12.50
G. H. CRANE	2.00	15.00
VICTOR	2.00	
WM. SCOTT	1.50	12.50
DAYBREAK	1.50	12.50
ELDORADO	1.50	12.50
JUBILEE	1.50	12.50
FLORA HILL	1.50	12.50
TRIUMPH	1.50	12.50
PORTIA	1.50	12.50
WHITE CLOUD	1.50	12.50

J. L. DILLON, Bloomsburg, Pa.

Get the BEST.

ROOTED CARNATION CUTTINGS

Cheap Cuttings are Dear at any Price.

INTRODUCTIONS OF 1902.

	Per 100	1000
GOV. WOLCOTT, (Fisher), white	$10	$80
ENQUIRER, (Witterstaetter), light pink	12	100
MRS. E. A. NELSON, (Nelson), glistening pink, $2.50 per dozen	10	80
J. H. MANLEY, (Cottage Gar.), orange scarlet	12	100
H. FENN, (Cottage Gardens), crimson	$12	$100
VIOLA ALLEN, (Cottage Gar.), variegated	12	100
VIOLANIA, (Cottage Gardens), variegated	12	
CRESSBROOK, (Warburton), bright pink	10	80
GAIETY, (Hill), variegated	10	75

FANCY CARNATIONS.

	Per 100	Per 1000
PROSPERITY, variegated	$6.00	$50.00
MRS. G. M. BRADT, variegated	3.00	25.00
NORWAY, white	6.00	50.00
LORNA, white	5.00	40.00
WHITE CLOUD, white	2.00	15.00
MRS. T. W. LAWSON, pink	4.50	40.00
MRS. FRANCES JOOST, pink	2.00	12.50
IRENE, pink	5.00	40.00
MORNING GLORY, light pink	$3.00	$25.00
MARQUIS, light pink	3.00	25.00
MERMAID, light pink	3 00	25.00
GOV. ROOSEVELT, crimson	6.00	50.00
GEN. MACEO, crimson	2.00	15.00
ESTELLE, scarlet	6.00	50.00
G. H. CRANE, scarlet	2.50	20 00
GOLDEN BEAUTY, yellow	8.00	75.00
ELDORADO, yellow	2.50	20.00

All of our cuttings are well rooted and free from disease. Let us figure on your wants. Discounts on large quantities. BLOOMS SHIPPED FROM GREENHOUSES TO ALL POINTS ON SHORT NOTICE. SEND IN YOUR ORDERS. Upon application, we will mail our catalogue.

J. D. THOMPSON CARNATION CO.

JOLIET, ILLINOIS.

Carnation Cuttings

For Sale by

E. T. Grave, Richmond, Ind

WINNER OF THE PRESIDENT McKINLEY PRIZE at the Kansas City Show. Dorothy (First on introduction of 1901 at Kansas City), is certainly proving our claim for it as a producer, and consequently a money maker for the grower. It commands the highest price. Our stock is large and in grand shape. No order is too large or too small for us to fill. $5.00 per 100; $40.00 per 1000. Write for prices on rooted cuttings of Norway, White Cloud, Hoosier Maid, Lawson, Crane, America, Genevieve Lord and Marquis. Also T. Eaton and Fitzwygram Chrysanthemums.

California Carnations.

Our cuttings are rooted without fire heat and are strong, hardy and well rooted. They are so far superior in every way to cuttings rooted by fire heat that they should not be mentioned in the same connection. We guarantee safe arrival and satisfaction.

	Per 100	Per 1000
QUEEN LOUISE, white	$4.00	$30.00
MERMAID, fine salmon pink	3 00	20.00
G. H. CRANE, scarlet	1.50	12.00
MRS. F. JOOST, fine pink	1.00	8 00

Giant of California Pansy Plants, 50c per 100; $2.50 per 1,000. Giant of California, transplanted plants, $5 per 1000—100 sent at 1000 rates.

TERMS CASH WITH ORDER.

THE LOOMIS FLORAL CO.,

LOOMIS, CALIFORNIA.

CRESSBROOK.

The coming Pink Carnation for everybody to grow.

Baltimore, Feb. 21, 1901, it scored 94 Points, the highest of any seedling. Cressbrook has never shown disease of any kind and is an extra free bloomer. Size of flowers under ordinary culture, 3 to 3½ inches.

Orders will be delivered in rotation on and after Jan. 1, 1902, at the following prices:

12 plants	$ 1.50	250 plants	$25.00
25 plants	3.00	500 plants	37.50
50 plants	5.00	1000 plants	75.00
100 plants	10.00		

C. WARBURTON, FALL RIVER, MASS.

Cressbrook may be seen growing at

THE E. G. HILL CO'S., Richmond, Ind., and at WM. NICHOLSON'S, Framingham, Mass.

ELECTROS...

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO.,

.....324 Dearborn St., CHICAGO.

CARNATION LAWSON

ROOTED CUTTINGS, No. 1 clean, healthy stock, $3.00 per 100; $25.00 per 1000, Cash. Send for sample. Money returned if not as represented.

Will exchange for Palms, Fuchsias, Basket and Vase plants—anything I can use. State what you have to exchange.

FRED J. KING, OTTAWA, ILL.

ROSES

Crimson Rambler Climbing Clothilde Soupert.

Ramblers, 3 to 4½ ft., well branched	$10	per 100
" 2½ to 3 ft., " "	8	per 100
" 1½ to 2½ ft., " "	6	per 100
Soupert, strong field-grown plants	15	per 100

The Conard & Jones Co, West Grove, Pa.

50,000 Rooted

CARNATION CUTTINGS

to dispose of yet; all well rooted and free from disease.

	Per 100	Per 1000
Queen Louise	$5.00	$40.00
Flora Hill, Daybreak	1.25	10 00
Crane, America, Crocker	1.50	12.00
Lippincott, Melba	1 25	10.00
Lizzie McGowan	1.25	10.00
White Cloud	1.50	12.00

5000 BRIDESMAID ROSES, in 2½-inch pots, $2.00 per 100; $20 00 per 1000.

Special prices on large orders. Cash with order.

MERCER FLORAL CO.,

TRENTON, N. J.

Scranton, Pa.

LOCAL FIRM PUTS UP ONE OF THE BEST DECORATIONS ON RECORD.—OTHER DEALERS REPORT TRADE GOOD.—VARIOUS NOTES OF INTEREST.

The greatest event of the season, by all odds, was the golden wedding anniversary of Hon. and Mrs. William Connell. Marvin & Muir had the decoration in charge and it was one of the most elaborate, artistic and costly pieces of work ever attempted in this section. A huge umbrella of lilies of the valley and Perle roses, the latter predominating, under which the venerable couple received, was suspended from the ceiling at one of the bow-windows. Thousands of lilies of the valley, roses and asparagus fringed the tall pier glasses, mantels and every available nook and corner. Ropes of wild smilax festooned from the chandelier almost hid the ceiling in a green canopy. Yellow ribbon made up in all sorts of rosettes and bows added to the general effect. The Turkish room was decorated in red, with ferns for a background. Poinsettias, both cut and in pots, were used in profusion and with splendid effect. The library presented a study in green, the mahogany paneling being almost hidden behind hundreds of flowers, while the decorations of the dining room were especially elaborate. Asparagus, smilax and palms were used, while the centerpiece on the table was a mass of the finest orchids obtainable, arranged in a way to do credit to the most renowned decorators. Harrisii and palms were used for the staircase, the balustrade being concealed by green roping and wild smilax. The annex erected for the occasion, adjoining and inclosing the Clay avenue porch, was especially attractive. The walls and ceiling were covered over with golden cloth. Over this was woven a veil of smilax and dotted here and there were roses, carnations and chrysanthemums. Myriads of electric lights throughout lent a special charm to the whole effect.

At. T. B. McClintock's things, as usual, are in fine shape. His carnations and roses are exceptionally good. Mr. McClintock intends growing largely the best carnations of recent introduction.

The Scranton Florists' Supply Company has removed to larger quarters where, with increased facilities, they expect to do a large business.

W. H. Davis has remodeled his greenhouses and is growing fine stock in consequence. His carnations this season are all that could be desired.

Geo. R. Clark has no complaints to make. Trade has been brisk all along the line and the outlook promises well.

NOMIS.

ROCKFORD, ILL.—H. W. Buckbee had his left leg broken and one elbow injured in a fall down the elevator shaft in his store February 12. He was sadly missed at Indianapolis by his many friends, but his representative, C. W. Johnson, was on hand with some fine exhibits. Mr. Buckbee is progressing favorably.

30 000 YOUNG ROSES in 2x2½, 2½x3-in. and 3-in. pots. Also Rooted Cuttings. ROSES—Meteors, Brides, Maids, Kaiserins, Perles, Am. Beauties, Liberty, Golden Gate, La France, Belle Siebrecht. We believe in shifting Young Roses All stock offered in 2½-in pots has been shifted from 2-in. and is equal to most stock advertised as 3-in. and when we send it out is well established. The above are now ready to go out and—as we need room—we will make special prices in quantity. Send us a list of what you want and we will give you our figures. Send $1.00 for samples. Write

GEO. A. KUHL, PEKIN, ILL.

THE GRANDEST NEW FORCING ROSE

Souvenir de Pierre Notting

The Best, The Finest, The Most Free Blooming of all Forcing ROSES, color deep yellow; will be distributed for the first time April, 1902

—BY THE RAISERS—

SOUPERT & NOTTING,

ROSE GROWERS.

LUXEMBOURG, (Europe).

Net price, $80.00 per 100; $1.00 each. Write for lithographs.

New Rose for 1902.

MRS. OLIVER AMES.

For description, prices, etc., see my new Trade List now ready.

What the leading Retail Florists of the different cities say of this Rose:

Halliday Bros., Baltimore, Md., write under date of Dec. 5th, 1901.

My dear Mr. MAY: Mrs. Oliver Ames Roses arrived in perfect condition and have attracted a great deal of attention in our window to-day. I am sure it will fill a long needed want in the rose line, being so distinct in color from all others.

Yours very truly, ROBERT HALLIDAY.

JOHN N. MAY, Summit, N. J.

The Three Grandest New Roses

IN THE MARKET.

PERLE VON GODESBERG Yellow sport from Kaiserin $4.00 each; 10 for $30.00

FRAU PETER LAMBERT PINK KAISERIN, $3.50 each; 10 for $30.00

WILHELM HARTMANN IMPROVED PAPA GONTIER, $1.00 each; 100 for $70.00

All three are the finest forcing and cutting Roses and will give highest satisfaction to growers and retailers. All orders will receive best attention.

P. LAMBERT, - TRIER, GERMANY.

PANSIES.

50c. per 100. $3.00 per 1000.

GERANIUMS

16 var. fine 2½-in. pots, $3.00 per 100.

CASH. JOS. H. CUNNINGHAM, Delaware, O.

Boston Ferns

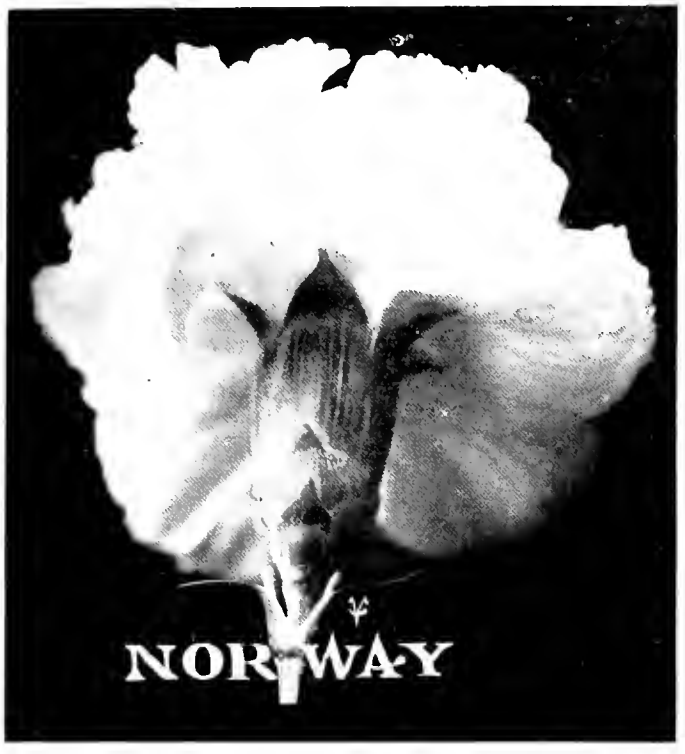
Fine, strong, young plants, $3.00 per 100; $27.50 per 1000.

Edwin Lonsdale, Wyndmoor, Chestnut Hill, Pa.

ROOTED CARNATION CUTTINGS.

Why not get the Best? They are the Cheapest.

You don't have to buy 200 to have 100 fit to plant out, when planting time comes. For every 100 we send, you have 101 when ready to plant. We have the finest and largest stock of NORWAY and ESTELLE in the country. Stock marked (*), now ready in flats. ☞ Send us a list of your wants for special prices on large lots.



	Per 100	Per 1000
FLORA HILL	$1.75	$15.00
*GENERAL MACEO	1.75	15.00
*MRS. F. JOOST	1.75	15.00
*WHITE CLOUD	1.75	15.00
*WM. SCOTT	1.75	15.00
*AMERICA	1.75	15.00
DAYBREAK	1.75	15.00
ETHEL CROCKER	1.75	15.00
*G. H. CRANE	2.50	20.00
*TRIUMPH	2.00	18.00
GUARDIAN ANGEL	1.75	15.00
*GENEVIEVE LORD	2.00	15.00
*MARQUIS	2.00	17.50
*MRS. G. M. BRADT	2.50	20.00
*CHICAGO	3.50	30.00
GOLD NUGGET	3.50	30.00
*MORNING GLORY	3.00	25.00
LORNA	5.00	40.00
*MRS. T. W. LAWSON	5.00	40.00
QUEEN LOUISE	5.00	45.00
*NORWAY	4.50	40.00
PROSPERITY	6.00	50.00
*GOVERNOR ROOSEVELT	6.00	50.00
ESTELLE	6.00	50.00
DOROTHY	6.00	50.00
CRESSBROOK	10.00	75.00
ENQUIRER	12.00	100.00
MRS. POTTER PALMER	12.00	100.00
MRS. HIGINBOTHAM	12.00	100.00
MRS. E. A. NELSON	10.00	80.00

CANNAS

Strong, Dormant, Two Eyed Roots.

	Per 100	Per 1000
ALLEMANIA	$3.00	$25.00
BURBANK	3.00	25.00
EXP. CRAMPBELL	3.00	25.00
FLORENCE VAUGHAN	4.00	35.00
MDLLE. BERAT	3.00	25.00
PAUL MARQUANT	3.00	25.00
PRES. CARNOT	2.50	20.00
MIXED, ALL COLORS	1.75	10.00

Largest stock in United States of other choice cannas true to name. Write for prices.

GREENHOUSES: WESTERN SPRINGS, ILL. **VAUGHAN'S SEED STORE,** 84-86 RANDOLPH ST., CHICAGO. 14 BARCLAY ST., NEW YORK.

Ivory

or White Golden Gate.

The Best White Rose

$6.00 PER 100.
27.50 PER 500.
50.00 PER 1000.
Ready Now.

W. A. Hammond
107 E. Broad St., Richmond, Va.

Roses! Roses!

American Beauties, Brides, Maids, Perles, Kaiserin, LaFrance, Wootton, Belle Siebrecht and Golden Gate, in 2 and 2½-in. pots; also Rooted Cuttings ready now. This is strong, healthy stock from 2 and 3 eyed cuttings.

Write for prices. Send $1.00 for samples.

J. C. MURRAY,
403 Main St., Peoria, Ill.

Carnation Floriana

We believe this to be the best pink carnation introduced to date, was disseminated in the spring of 1901 by originators, Messrs. Fillow & Banks. Price, $6.00 per 100; $50.00 per 1000. 50 at 00 rate, 500 at 1000 rate. Less than 50, 8c each.

DAILLEDOUZE BROS. Carnation and Chrysanthemum Specialists, **FLATBUSH, BROOKLYN, N. Y.**

AMERICAN BEAUTY ROSES.

First crop now ready. Strong plants from 2½-in. pots, $6.00 per 100; $50.00 per 1000.

Our young plants of American Beauty are exceptionally fine this year, and we extend a cordial invitation to intending planters to inspect our stock. Orders booked now for Spring delivery and will be filled in rotation.

ROBT. SCOTT & SON, Sharon Hill, Del. Co., Pa.

American Beauties

From 2x3-in. Rose Pots, **$6.00 per 100; $50.00 per 1000.**

JOSEPH HEACOCK, WYNCOTE, near Philadelphia, PA.

Am. Beauties

ROOTED CUTTINGS
READY MARCH 15.
$25.00 PER 1000.

This stock is free from spot, thoroughly rooted and first class in every respect. If not satisfactory or just as represented by us you can return same at once.

J. A. BUDLONG, 37 and 39 Randolph St., CHICAGO, ILL.

Providence, R. I.

BUSINESS CONTINUES TO USE UP SUPPLIES IN MOST LINES —PRICES,—VARIOUS NOTES.

Business continues fairly good, and Valentine's trade was particularly satisfactory in cut flowers, although not as good as last season. Nevertheless, the growers seem to keep sold right up, this condition being due probably to a less cut than last year. Carnations bring $1.50 and $2, roses $5 to $8, with violets over-plentiful at from 30 cents to 50 cents per hundred. Tulips and daffodils bring $2 to $3 but hyacinths and narcissi hold fire at anything above $2. Probabilities are in favor of an easy-toned market for Easter, there being no reason to fear an unusual shortage.

At the recent Orion Club concert only three bouquets were handed to the soloists. What can be done to increase the use of flowers at these concerts?

The Shepard Company and the Boston Store still hang on to their flower departments, but it's a good thing they don't need the money.

T. J. Johnston has tiled his show window, and Johnston Brothers contemplate making a change in their display space.

L. Williams is busy building tenements near his greenhouses.

Almy still markets quantities of smilax and azaleas.

Mrs. P. F. Conley is marketing good myosotis.

Mr. Westcott has recovered from the grippe. M. M.

Grand Island, Neb.

TRADE GOOD AND EVERYBODY HAPPY.—GROWERS DOING WELL.

We are having real winter weather here, for four weeks or more, which has kept the coal bin empty. But trade has been good, so we can stand it. Funeral work has been plentiful the last few days, which took a good many flowers. Brewster & Williams have had good success with the stock planted in their new houses last year. They have in 1,500 carnations, all the leading varieties, from which they had picked to February 15 5,400 blooms. The plants were small when housed. In roses they have one house with 1,600 plants, from which they have cut 6,250 buds They will add another house 18x116 this summer, which will give them four of this size besides about 500 feet in hot bed sashes.

ED.

VINCA VARIEGATA Rooted cuttings, well rooted, $1 per 100; $7.50 per 1000.

FORGET-ME-NOT, true winter flowering, out of 2½-in. pots, $2.00 per 100; $15.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

BEGONIA GLOIRE DE LORRAINE,

2¼-inch pots, $15.00 per 100.

Write for prices on large lots. Stock guaranteed absolutely free from disease.

THOMAS ROLAND, Nahant, Mass.

SPECIALTIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery,
CHRYSANTHEMUMS,
SMILAX, VIOLETS.

In Best Varieties

Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.

Dreer's Palms!

For RETAILING and DECORATING.

GOLD MEDAL—Pan-American Exposition.....1901
SILVER CUP—Buffalo Florists' Club.....1901
CERTIFICATE OF MERIT—Society of American Florists.....1901

The following sizes and varieties will be found of exceptionally good value.

KENTIA BELMOREANA.

ARECA LUTESCENS.

Inch pots.		Inches high.	Per doz.	Per 100
3....	2 plants in a pot	12 to 15..	$1.25	$10.00
4....	3 " "	15 to 18..	3.00	25.00
			Each	Doz.
6....	3 " "	28 to 30.	$1 00	$12.00
8...	3 " "	30 to 36..	2.50	30.00

KENTIA BELMOREANA.

Inch pots.		Inches high.	Per doz.	Per 100
3....	5 leaves	10 to 12..	$2 50	$20.00
4....	5 to 6 "	15	4 50	35.00
			Each.	Doz.
6...	6 "	24 to 28..	$1 25	$15 00
6....	6 "	28 to 30..	1.50	18 00
7...	6 to 7 "	30 to 32..	2.00	21 00
7....	6 to 7 "	34 to 36..	2.50	30.00
8....	7 "	36	4 00	48 00

8... 4 plants in a pot, well-furnished, 3½ feet high, fine plants, $4.00 each, $48.00 doz.

KENTIA FORSTERIANA.

Inch pots.		Inches high.	Per doz.	Per 100
3....	5 leaves	12 to 15..	$2.50	$20 00
4....	5 to 6 "	15 to 18..	4 50	35.00
5....	5 to 6 "	18 to 20..	6.00	50.00
			Each.	Doz.
6....	6 "	28 to 30..	$1.00	$12 00
6....	5 to 6 "	30	1.25	15.00
6...	5 to 6 "	30 to 36..	1.50	18 00
7....	6 "	30 to 36..	2 00	24 00
8....	6 "	42	2.50	30.00
8....	6 "	42 to 48..	3.00	36.00

8... 2 to 3 plants in a pot, 3½ to 4 feet high, $4.00 each, $48.00 doz.

PHOENIX CANARIENSIS.

Inch pots,	Inches high.		Each
6....	24 to 28....	bushy, stocky, plants	$1.25
7....	26 to 28....	" "	1.75
8....	28 to 30....	" "	2 00
8....	30 to 36....	" "	2 50

Inch tubs.	Feet high.		Each
12 ..	3½ to 4....	bushy, stocky plants	$6.00
13....	4 to 4½....	" "	7.50

For the most complete list of Palms and Decorative Stock, as well as all seasonable Florists' Stock, see our current Wholesale List.

HENRY A. DREER,
714 CHESTNUT ST, PHILADELPHIA, PA.

Galax Leaves 30 W. 29th Street The Kervan Co. THE EVERGREEN SPECIALISTS OF N. Y. CITY.

Dahlias

Mrs Winters

THE WORLD'S BEST WHITE DAHLIA.

Novelties and Standard varieties. 18 yrs'. experience and have failed of no prize competed for.

See my catalogue before placing your order. Also fine field-grown Hollyhocks at $2.50 per 100. Cannas, Paeonias and Hardy Plants. Cheap mixtures are dear; get the best.

W. W. WILMORE, The Dahlia Specialist,
BOX 382, DENVER, COLO.

Boston Ferns FOR EASTER We have the largest stock in the West in all sizes; also fine specimen plants. Send for sample order. Asparagus Plumosus and Sprengeri, Cinerarias, Geraniums, red, pink, white and salmon; also Rose Geraniums; Pelargoniums, Petunias, etc., etc. Write us you wants.

GEO. A. KUHL, PEKIN, ILL.

Please mention the American Florist when writing.

Faxon's Mammoth VERBENAS.

My seed is saved from an elegant collection of named varieties, and produces very large flowers of the richest and most brilliant colors; this, my best mixture, will produce healthy plants, and is exactly what you want—order to-day. **OUNCE, $2; ½ OUNCE, $1; ¼ OUNCE, 50 CENTS.** By mail; postage paid.

M. B FAXON, 31 State Street, **Boston, Mass.**
FLOWER SEED SPECIALIST.

100,000 Pansies.

The Jennings' Strain, extra fine plants, all transplanted, many are fringed and curled, strong plants, $4.00 per 1000, express; 75c per 100 mail. Large plants, $1.00 per 100, by express only. Stock the finest. Grown in cool houses. Seed, $1.00 per pkt. Cash.

E. B. JENNINGS, Lock Box 254, Southport, Conn.
Grower of the Finest Pansies.

CANNAS

Dormant Roots, 1 to 3 eyes.

	Per 100	Per 1000
Africa	$6.00	
Allemania	2.50	$20.00
Alphonse Bouvier	3.00	
Alsace	4.00	
Asia	5.00	
Austria	2.00	15.00
Beaute de Poitevine	3.50	
Black Beauty	12.00	
Burbank	2.50	20.00
Captain Dragon	6.00	
Chas Henderson	1.50	
Chevalier Besson	4.00	
Comte de Bouchaud	4.00	
Crimson Bedder	3.50	
Egandale	4.00	
Explorateur Cramphel	4.00	
Fair Persian	4.00	
Florence Vaughan	4.00	
Golden Bedder	3.00	
G. St. Hilaire	3.50	
Italia	1.50	12.00
J. T. Lovett	3.50	
La France	4.00	
Leonard Vaughan	6.00	
M. Laforcade	3.00	
Mlle. Berrat	4.00	
Mme. Crozy	4.00	
Mme. Molin	4.00	
Mme. Montefiore	2.00	15.00
Mme. Sallier	6.00	
Morning Star	2.00	15.00
Papa	4.00	
Paul Marquant	2.50	
Philadelphia	5.00	
Queen Charlotte	3.50	
Robusta	2.00	15.00
Rose Unique	4.00	
Secretary Chabanne	4.00	
Souv. de Antoine Crozy	5.00	
Mixed, all colors	1.00	8.00

Pot up Cannas now. Ask for our Special Spring Catalogue

This offer is made subject to stock being unsold upon receipt of order.

BOBBINK & ATKINS,
RUTHERFORD, N. J.

ASTER PLANTS

Hohenzollern Asters, pure white, delicate rose and crimson, new (Roemer's) last year novelty. Grandest Aster to date. Mammoth size, 7 inches across, double to the center; finest colors. Plants branching, strong stems 18 to 20 inches long, resembling a large Japanese chrysanthemum, unsurpassed for cutting or bedding plants, 60 cents per 100; $5.00 per 1000. Queen of the Market, white, pink, scarlet and mixed. Ostrich Feather Aster, white, pink, crimson, extra fine; upright branching asters, outer petals recurved, center petals incurved. Pure White Daybreak, pink, fiery scarlet and lavender. Late Branching or Semple's, white, rose, pink, lavender, red and mixed. All the above are the best money makers for florists, true to name, assorted to suit. Strong healthy plants from seed bed, 40 cents per 100; $3.00 per 1000.

Lettuce Plants. Grand Rapids, healthy plants, 15 cents per 100; $1.00 per 1000. All the above express prepaid for cash with order.

DES MOINES PLANT CO.,
38th St., Des Moines, Iowa.

Geraniums

An assortment of twenty varieties, all good sellers and all correctly labeled. Rooted cuttings at $12 50 per 1000. Not less than 25 of one sort will be given in the same order.

JEAN VIAUD and M. De CASTELLANE, two exceptionally fine novelties from 2-inch pots, at $5 per 100 or $30 per 1000.

Albert M. Herr, Lancaster, Pa.

Orchids!

Our stock of Orchids is the finest that can be produced—no need of crossing the "pond" to get them. We have also fine fibrous Peat, live Sphagnum and round and square Orchid Baskets in all sizes.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

ARECA LUTESCENS, per doz.—4-in., $3; 5-in. $5; 6-in., $9.
KENTIA BELMOREANA, per doz.—4-in., $4; 5-in., $9; 6-in., $18.
KENTIA FORSTERIANA, per doz.—4-in., $4; 5-in., $9; 6-in., $15.
LATANIA BORBONICA, per doz.—4-in., $3; 5-in., $5; 6-in., $9; 7 in., $10; 8-in., $24.
FICUS ELASTICA, 6-in., $9 per doz.
ARALIA SIEBOLDII, 5-in., $4 per doz.; 6-in., $6 per doz.
PANDANUS VEITCHII, per doz.—5-in., $12; 6-in., $18; 8-in., $36.
NEPHROLEPIS BOSTONIENSIS, runners, $30 per 1000; 2-in., $4 per 100; 8-in., $15 per doz. **NEPHROLEPIS WITTBOLDII**, fine specimens from 8-in. pots, $15 per doz.
ASPARAGUS PLUMOSUS NANUS, from seed bench, $25 per 1000; 2-in., $4 per 100; 3 in., $8 per 100.
FERNS FOR DISHES, Etc., $4 per 100.
FERN BALLS, well furnished with leaves, $5 per doz.

The GEO. WITTBOLD CO.

1657 Buckingham Pl., Chicago.

SHASTA DAISY

EVERYBODY ADMIRES THE LATEST FLORAL WONDER.

White as the snow which forever caps SHASTA'S LOFTY PEAK. Reckless in its profusion of bloom. Hardy and happy everywhere. The people's flower.
FOR CIRCULARS ADDRESS

Burbank's Experiment Farms
SANTA ROSA, CALIFORNIA.

OR ANY PROMINENT SEEDSMAN OR FLORIST.

	Per 100
Ageratum Princess Pauline	$2.50
Begonias in variety	4.00
Chrysanthemums, fine sorts	3.00
Coleus, 20 sorts	2.50
" Rooted Cuttings (Ready March 1st) $6.00 per 1000	1.00
Centaurea Gym. (Ready in March)	2.50
Feverfew Little Gem	2.50
Geraniums, leading sorts, splendid stock, $25.00 per 1000	3.00
Geraniums, Rose and Mt. Snow	3.00
" Ivy Leaf, Souv. de Chas. Turner	3.00
Heliotrope	3.00
Hydrangea Hortensis, extra strong, 4-in pots	15.00
" " 3-in. pots	10.00
Lobelia	2.50
Verbenas, very fine, rooted cuttings ready March 1st, $5.00 per 1000	0.75

W. L. Smith, Aurora, Ill.

California,

We have some choice Hybrid Carnation Seed from Lawson, Crane, Marquis, Cloud and Maceo, 100 seeds 25c. New Giant of California Pansy seeds, very large flowers, trade packet 25c; 1 oz. $4 Giant of California Pansy Plants, ready to transplant, $2.50 per 1000.

MITTING FLORAL COMPANY,
LOOMIS, CALIFORNIA.

CHRYSANTHEMUMS

are our SPECIALTY.
We also offer a complete list of

Carnations, Cannas, Pelargoniums,

Etc. Send for Catalogue.

Nathan Smith & Son, Adrain, Mich.

CANNAS

2, 3 or more eyes, Mme. Crozy, A. Bouvier, Phila., Crimson Bedder, M. Bouchaud, Queen Charlotte, P. Marquant, etc., $2.00 per 100; Duke of Marlborough, Black Prince, new, $3.00 per 100. Finest mixture of all colors, $1.00 per 100.

FOR EASTER! CINERARIAS, Benary & Cannell's Prize Strains, 3 in., $3.50 per 100. **STOCKS**, German dwarf, wall flower-leaved, blue, white, red, each kind, 2-in., $2.00 per 100 Cash please.

Shellroad Greenhouse Co., Grange, Baltimore, Md.

500,000 VERBENAS.

60 finest named varieties, including our **NEW MAMMOTH WHITE, "MRS. McKINLEY."** The finest white verbena grown; perfectly healthy; free from disease. Rooted cuttings, 60c per 100; $5 00 per 1000. Plants, $2.50 per 100; $20.00 per 1000. Our list is the choice of millions of seedlings. Send for circular.

J. L. DILLON, BLOOMSBURG, PA.

PALMS.

HOME-GROWN, FINE, CLEAN STOCK; GROWN COOL.

Write for Price List. **J. B. HEISS,**
The Exotic Nurseries, **DAYTON, OHIO.**

Please mention the American Florist when writing.

GERANIUMS.

Double Grant, Bruanti, Alphonse Riccard, J. J Harrison, Mme. Thibaut, John Doyle, Beaute Poitevine, Mme. Jaulin, Gloire de France, La Favorite, S. A. Nutt, Kelway, Frances Perkins, etc., labeled, from 2½-inch pots, $3 per 100; $25 per 1000. Mixed, my selection, $2 50 per 100; $20 per 1000.

PAUL MADER, East Stroudsburg, Pa.

Asparagus Plumosus.

2½-inch, $3.00 per 100.

H. HILLS, ELKHART, IND.

Please mention the American Florist when writing.

Columbus, O.

DUTCH BULB DRUMMERS FIND THEIR STOCK DOING WELL.—TRADE EXCELLENT.—VARIOUS DOINGS.

H. Van Teylingen, of Van Zanten & Company, and Wm. Van Lewen, of Beerhorst & Van Lewen, were the first arrivals in Columbus representing Holland bulb growers. They were able to quote lower prices on hyacinths this season, compared with 1901, but tulips of most standard varieties have advanced. The Dutch stock imported last summer and now in bloom is of better quality than has been seen for years. It has been a great help since roses are so very scarce. However, the roses are doing much better of late, and a good crop is expected for Easter. The largest Valentine's day trade ever known was experienced this season. All kinds of flowers were in demand, with violets taking the lead.

The Underwood Brothers have had a good opportunity to test their new heating system, consisting of two large boilers placed on the level, doing away with gravity and using in its stead a device automatically pumping the condensed steam into the boilers, causing the return pipe to be as free as the flow pipe from condensed steam. The stock on this place looks fine, with the exception of Bermuda lilies, which, like those of most growers, are very discouraging.

Affleck Bros., who have been doing a strictly wholesale business, have decided to establish a retail trade, depending on that wonderful telephone to bring in orders.

Maurice Evans & Son are again to the front with a fine lot of verbenas. They are equal to the finest strain in the country. CARL.

Washington, D. C.

Z. D. Blackistone has his window decorated for the meeting of the Daughters of the American Revolution, the main feature being a large wheel with thirteen spokes and thirteen stars, representing the original states.

Chris. Schellhorn has been cutting a number of fine roses, such as Meteor, Liberty, Bridesmaid, Bride and Golden Gate.

Although Lent has begun there are still some dinners and receptions going on. P. G.

WESTERLY, R. I.—W. W. Foster is about to erect a range of four houses here for carnation growing. Mr. Foster is a brother-in-law of S. S. Pennock, the Philadelphia wholesaler.

SPECIAL
ROOTED CUTTINGS
GERANIUMS.

NOVELTIES: Thos. Meehan, semi-double dark pink; Levi P. Morton, semi double maroon; Duchess of Orleans, single oriole; Ernest Kellway, semi-double crimson; J. J. Harrison, semi-double scarlet, and Snow Drift, semi-double white; all winners. $2 50 per 100; $22.50 per 1000.

STANDARDS: S. A Nutt, E. G. Hill, Beaute Poitevine, Frances Perkins, Mme. Jaulin, Mme. Bruant LaFavorite and Mme. J. M. Garr, $2.00 per 100; $18 00 per 1000.

DOUBLE FRINGED PETUNIAS

Our superb collection consisting of twelve novelties selected from Henderson's and Dreer's latest sets. Extra Strong Rooted Cuttings, $1.00 per 100; $9 00 per 1000; $40 per 5000. Henderson's celebrated Sea Foam, $1.50 per 100. Send for our special Geranium List.

CASH WITH ORDER. SATISFACTION GUARANTEED.

The W. T. Buckley Plant Co., Springfield, Ill.

ROOTED CUTTING LIST

NOW READY FOR SHIPMENT.

	Per 100	Per 1000
Marguerites	$ .75	$ 6.00
Heliotrope, 4 varieties	.60	5.00
English Ivy	2.00	18.00
Pyrethrum, double white	1.00	8.00
Achyranthes, 4 varieties	1.00	8.00
Salvia, 4 varieties	.60	5.50
Ageratum, 6 varieties	.60	5.00
Alternanthera 4 varieties	.75	6 00
Fuchsias, 3 varieties	1.25	10.00
Abutilons, 12 varieties	2.00	18.00
Coleus, 75 varieties, named	.75	6.00
" not named	.60	5.00
" Verschaffeltii, red	.60	4.50
" " golden	.60	4.50
Coleus, Golden Bedder	.60	4.50
" Brilliancy	8 00	

Boston Ferns Strong, bushy, well grown stock for immediate shipment.

	Per 100	Per 1000
2¼-inch pots	$2.50	$22.00
2½-inch pots	3.00	28.00
3 -inch pots	6.00	55.00

PTERIS TREMULA, 2¼-inch pots, per 100, $2.00; 2½-in. pots, per 100, $3.00; 3-in. pots, per 100, $5.

For list of varieties see AMERICAN FLORIST of Nov. 9. If wanted by mail add 15c per 100. Samples by mail 25c.

All the above sold on the positive guarantee of their being first-class, if not, your money at once refunded.

JOHN IRVINE & SONS, Bay City, Mich.

HARDY CUT FERNS

Following Prices after February 1st:

In 1,000 lots	$1.25	per 1000
In 5 000 lots	1.20	"
In 10,000 lots	1.10	"
In 25,000 lots	1.00	"

L. B. BRAGUE, Hinsdale, Mass

FANCY OR DAGGER **FERNS** $1.25 PER 1000

GALAX, green or bronze, 75c per 1000. Laurel festooning, 4c, 5c and 6c per yd. Once used, always used for decorating. SPHAGNUM MOSS, etc.

Telegraph Office New Salem, Mass.

CROWL FERN CO., P. O. Millington, Mass.

Galax Leaves, Etc.

	Per 1000
Choice Bronze and Green, medium size	$ .50
Choice Bronze and Green, large size	.55
Choice Leucothoe Sprays	3.00
Choice Fancy and Dagger Ferns	.75
Choice Rhododendron Leaves	.50

Rhododendron Leaves for festoonings, 50c per 1000

Largest dealer on earth. Cash with first order.

J. N. PRITCHARD, ELK PARK, N. C.

Galax AND Leucothoes.

Selected, Bright and Brilliant.

Wholesale Trade Solicited.....

J. L. BANNER & CO., Montezuma, N. C.

A SPECIALTY

Boston Ferns.

Cut from bench at $25 and $5 per 100.

KENTIAS, CYCLAMENS, ASPARAGUS PLUMOSUS NANUS, FICUS. Very fine stock.

L. H. Foster, 45 King Street, **Dorchester, Mass.**

Alternantheras P. MAJOR and A. NANA.....

Strong rooted cuttings, 50 cts per 100, or $4.00 per 1000.

DAVIS BROS., MORRISON, ILL.

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CALDWELL'S

Wild Smilax

50 LB. CASE $6.00
35 LB. CASE 4.50
25 LB. CASE 3.50

Galax—Galix —Galox—

Brilliant bronze or green, assorted sizes, $1.00 per 1000.

Leucothoe Sprays, $1.00 per 100
Fancy Fern, 1.50 per 1000
Dagger Fern, 1.25 per 1000

SMALL GREEN GALAX FOR VIOLETS, $1.00 per 1000.

Laurel Roping, 6 cts., 8 cts. and 10 cts. per yard.

All other green goods in season.

WRITE, TELEPHONE OR TELEGRAPH.

HARRY A. BUNYARD,
38 West 28th Street,
Phone, 798-799 Mad. Sq. NEW YORK CITY.

L. J. KRESHOVER,
(SUCCESSOR),
110-112 W. 27th Street, NEW YORK.
Phone 597 Madison Square.

HEADQUARTERS FOR..... **Green Goods**

Where you never get disappointed. We always have the stock on hand and of the best quality.

FANCY and DAGGER **Ferns,** $1.50 per 1000.

Discount on large orders.

BRILLIANT BRONZE AND GREEN GALAX, 75c per 1000 in 5000 lots. Satisfaction guaranteed.

SELECTED SOUTHERN WILD SMILAX, $4 and $7 per case. Also LAUREL FESTOONING, good and full, 4c, 5c and 6c per yard.

Orders by Mail, Telephone or Telegraph promptly attended to.

HENRY M. ROBINSON & CO.,
32-34-36 Court Sq., BOSTON, MASS.

REMEMBER you can get our Standard Brands of Wild Smilax and other Greens from such people as J. B. Deamud, Chicago. H. Bayersdorfer & Co., Phila. L. J. Kreshover, N. Y. City. Vaughan Seed Co., Indianapolis. Ed. Reid, Philadelphia. J. M. McCullough's Sons, Cincinnati, O. Michigan Cut Flower Exchange, Detroit, Mich. or direct from us.

A FULL SUPPLY CONSTANTLY ON HAND.

Caldwell The Woodsman Co., Evergreen, Ala.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

TO KILL ALL
Greenhouse Bugs
USE
"NICOTICIDE"

Clean and harmless as **Fumigant** or **Spray.** Ask your seedsman for it or write to

The Tobacco Warehousing and Trading Co.,
1000 Magnolia Ave., - Louisville, Ky.

Boston Florist Letter Co.
MANUFACTURERS OF
FLORISTS' LETTERS.

This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.
Block Letters, 1½ or 2-inch size, per 100, $2.00.
Script Letters, $4. Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.
N. F. McCARTHY, Treas. and Manager,
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TIN FOIL

Plain, Fancy, Printed & Mounted.
Manufactured by
The Conley Foil Co.

521 to 541 West 25th St.,
NEW YORK.

HEADQUARTERS FOR
HORTICULTURAL SUPPLIES
Of Every Description.
When you can't get what you want anywhere else, send here, we will send it to you.
"If it's used in Horticulture, we have it."
DUNNE & CO., 54 W. 30th St., New York.
Telephone Call, 1700 Madison Square.

A. HERRMANN,
Cape Flowers, ALL COLORS;
Cycas Leaves, Metal Designs,
AND All Florists' Supplies.
Send for Prices.
404-412 East 24th St., NEW YORK.

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Easter Your order for EASTER NOVELTIES should be placed without any delay, as our New Importations of Plant Baskets, Chip Ribbon, Birch Bark Crosses, Porto Rican Mats, Water-proof Crepe Paper (all kinds); also Cords and Tassels have just arrived. In order to secure the Very Latest and Best EASTER GOODS, your prompt attention will avoid disappointment, and give best satisfaction. Catalogue for the asking.
For all Up-to-Date Florists' Supplies, send to the

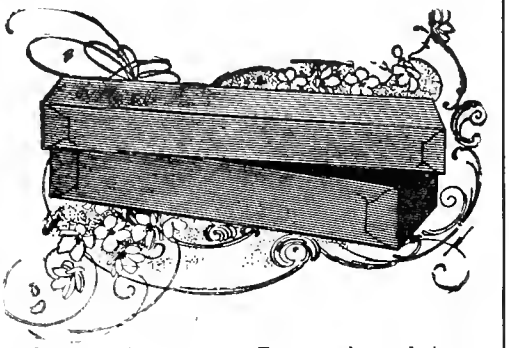
Leading Florists' Supply House.

M. RICE & CO., Importers and Manufacturers
918 Filbert St., Philadelphia, Pa.

Mailing and Cut Flower Boxes

a specialty with us. The Mailing Packages are used by the largest shippers of plants and bulbs, take less postage and are water-proof. Our Cut Flower Boxes are moisture-proof and are used by all retail florists. These boxes are shipped knocked down flat. Write for prices.

The Dayton Paper Novelty Co.
DAYTON, O.



Please mention AMERICAN FLORIST when ordering.

Just Issued New Series.
"SAMPLE NEWSPAPER of ARTISTIC ARRANGEMENT"
By J. OLBERTZ, Erfurt, Germany.
Superior models for all customers; contains 90 patterns of modern art floral arrangement, printed on the finest cardboard. Size of the art sheets, 8½x10½ inches.
Catalogue in the English Language.
Elegant portfolio, gold stamped, with colored picture, containing loose sheets, $2.25. Edition de luxe, $2.75. Volumes I and II together: Portfolio, $4.35; Album, $5.30.
Post free on receipt of price.

A Shipment from Bayersdorfer & Co. represents a wise investment. Baskets, Jardinieres, Pot Covers, Ferneries, Vases, Doves, Sheaves, Inscriptions, Cycas Wreaths and Leaves. These are only a fraction of the list of useful Florists' Supplies we carry. The quality is the BEST and the price is RIGHT. Send for Complete Catalogue.

H. Bayersdorfer & Co.,
50-56 No. Fourth St., Philadelphia, Pa.

SIGMUND GELLER
Importer and Mfr. of
Florists' Supplies
Complete Stock—New Goods—New Illustrated Catalogue Now Ready. Send for it.
108 W. 28th St., near 6th Ave., NEW YORK.
Please mention the American Florist when writing

Invalid Appliance Co.,
MANUFACTURERS OF
COLUMBIA PLANT TUBS
(PATENTED)
"The kind that never fall apart."
If your seedsman doesn't handle them, order of us direct.
FACTORY AND OFFICE
150-160 VEDDER ST., - CHICAGO.
TELEPHONE NORTH 953.
Please mention the American Florist when writing.

LABELS When you buy Tree and Pot Labels, be sure you get the Best, Lightest and Cheapest. Made of a metal that will not corrode, break, rust or letters fade. Can be read in 100 years from now. Samples free and prices quoted on application. Plain Metal Labels to scratch any name you want, $2 per 1000. Address W. G. YOUNG,
323 BROWN ST., DAYTON, O.
Please mention the American Florist when writing

Fresh Tobacco Stems.
Bales of 300 pounds, $1.50.
CASH WITH ORDER.
W. C. BECKERT, Allegheny, Pa.
Please mention the American Florist when writing

San Francisco.

BUSINESS CONTINUES VERY SATISFACTORY. —GOOD CARNATIONS IN GREAT DEMAND.— A GOOD GROWER.—NEW STORE.

Business for the last week continues to be of the best and stock, especially in the line of carnations, is exceedingly short. All fancy carnations are bringing $1 per dozen. The best Lawson fetch 75 cents, and 50 cents is the price for all standard varieties except Scott, Portia and Hill, which bring only 35 cents per dozen. Tulips are coming in more freely and bring from 25 cents to 75 cents per dozen. Roses are of very good quality and prices are fair.

A trip to Alameda, to Galloway's, always proves delightful, as this place is known for its excellent stock of carnations. There are only two houses, 30x150, on this place, but a good many more dollars are made here than on many places double the size. They intend to add another large house this summer, also for carnations.

Antonini & Lyon is a new firm at 211 Sutter street. Mr. Antonini was formerly a partner at 205 Sutter street, Canepi & Fagoni having bought his share. Mr. Lyon bought out Mrs. Labhard on Kearny street and then opened the store on Sutter street.

Alex. Mann, Jr., the Polk street florist, is receiving the congratulations of his friends, a baby girl having arrived at his home this week. GOLDEN GATE.

Louisville, Ky.

The florists of Louisville have concluded to take a hand in the matter of a Coliseum for the city, and have written a letter to the Commercial Club committee, strongly advocating the erection of such a building. The florists desire such a structure for a flower show and musical festival annually, and have appointed a committee to confer with the other Coliseum committees. The committee of florists consists of Messrs. Henry Nanz, E. G. Reimers, J. E. Marret, F. Walker, Charles Reimers and Jacob Schulz.

SOUTH BEND, IND.—The South Bend Floral Company, recently incorporated, will make a specialty of carnations for the wholesale market.

BALTIMORE, MD.—It has been decided to hold the annual banquet of the Gardeners' Club on March 10. John N. May, of Summit, N. J.; John Burton, president of the Society of American Florists; Robert Craig, of Philadelphia, and Alex. Scott, of Philadelphia, will be the invited guests.

CANNAS Burbank, Henderson, Mme. Crozy, F. Vaughan, P. Marquant, L. E. Bally, A. Bouvier, J. C. Vaughan, Ezandale, Souv. de Antoine Crozy, in variety, started, $2.50 per 100.

ALTERNANTHERAS P. Major, red, R. C., 60c, postpaid. Pot plants, red, yellow, pink, $2 00 per 100.

BOSTON FERN 2½-inch, 3c; 3-inch, 8c; 8-inch, $1.00.

Wittboldii, strong, 4-in., 25c; 5-in., 50c; 6-in., 75c. large bench plants for 10-in. pots, $1.00.

Begonias, flowering, in variety, 2½-in., 2½c.

Rusaelia Multiflora and Elegantissima, 2½-in. 4c.

Vinca Major, strong, fine runners, 2-in., 3c. Cash.

A. J. BALDWIN, NEWARK, O.

AUGUST ROLKER & SONS

Book orders now for spring delivery.

Araucarias, Palms, Ficus, Roses, Lilies, Bay and Box Trees, General Nursery Stock.

WRITE FOR PRICES.

52 DEY STREET, NEW YORK.

A Good Thing.

Rubber Bands for Carnation Calyx

Good Carnations sell; flowers with bursted calyx don't. Put bands on your split blooms, it will increase their value.

25c an oz.; 4 oz., 85c; $3.00 a pound.

2,000 bands to the ounce; 30,000 to the pound. Postage one cent extra for each ounce. Send for our Wholesale Catalogue of Seeds, Bulbs and Florists' Supplies.

HENRY F. MICHELL, 1018 Market St., Philadelphia.

"BLACK DEATH" (POWDER) TO EAT THEREOF IS TO DIE.

BUG KILLER and FERTILIZER. Three years of unprecedented success wherever introduced all over the United States has proved "BLACK DEATH" to be a cheap and absolute annihilator of all insects, bugs or beetles that prey on vegetation, foliage and flowers. See what Peter Reinberg said in this paper, Feb. 8. Other strong indorsements sent on receipt of postal card.

Western Sales Agency, 235 Franklin St., Chicago.

HANDLED BY SEEDSMEN. S. D. STRYKER, Agent.

New Geraniums FOR 1902

"J. D. Eisele," single, pure wine red. A zonale of most brilliant and new coloring, a splendid bedder, producing an abundance of large trusses.

"James Davidson," single, lavender lilac, a color which has never before been approached, shows almost a distinct blue color evenings. Trusses very large, a fine novelty. 35c each; $3.00 per dozen.

Novelties of former years, assorted and labeled, at $6.00 per 100.

CYCLAMEN GIGANTEUM SEEDLINGS

from the very best German Strain obtainable. Transplanted, $2.50 per 100; not transplanted, $1.75 per 100. Cash please.

HENRY EICHHOLZ, Waynesboro, Pa.

A FEW GOOD THINGS YOU WANT.

KENTIA BELMOREANA and FORSTERIANA, special price to reduce stock. 2½-in., 8c; 3-in., 15c; 4-in. 25c; 5-in., 50c; 6-in., $1.00. 3, 4, 5-in. **ARECA LUTESCENS**, 2 and 3 plants to a pot, same price. These are excellent lot of clean, cool grown plants.

BOSTON FERNS, 4c, 8c, 15c, 30c and 50c each.

DRACAENA INDIVISA, 3, 4, 5-in., 6c, 10c, 25c each.

CHINESE PRIMULA and CINERARIA, fine plants, to close out, 3 and 4-in., 4c and 6c each.

GLADIOLUS BULBS, good mixture, $1.00 per 100.

GERANIUMS, 2-in., Bonnat, double and single Grant, La Favorite, S. A. Nutt, Atkinson, Salleroi, $3.00 per 100; Poitevine, M. Barny, Kleber, John Doyle, Jaulin, Riccard, Mrs. E. G. Hill, Perkins, $4.00 per 100.

CARNATIONS, rooted cuttings, Scott, McGowan, Portia, $1.00 per 100; E. Crocker, G. Lord, Marquis, $1.50 per 100; Prosperity, Lawson, Queen Louise, Floriana, $5.00 per 100; Kittatinny, white sport from Daybreak, $3.00 per 100.

ASPARAGUS SPRENGERI, 2-inch, $3.00 per 100; Plumosus, 3-inch, $8.00 per 100. Cash or C. O. D.

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

WE NOW OFFER

"Chemicals"

for making **LIQUID COMPOST.**

Dry powders all soluble in water. Composts cost less than ½c per gal. Correspondence invited.

EASTERN CHEMICAL COMPANY, 620 Atlantic Ave., Boston.

Tobacco Dust

The pure article, fine or coarse as wanted. 50 lbs., $1.00; 200-lb. barrel, $3.00. **Sample free.**

Money returned if not satisfactory.

Edgar A. Murray, 136 Ash St., Detroit, Mich.

Please mention the American Florist when writing.

NIKOTEEN

IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

DOES NOT INJURE THE MOST SENSITIVE PLANTS - ENDORSED BY PROMINENT FLORISTS - USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT - 200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN - - - - CIRCULAR FREE -

SKABCURA DIP CO. CHICAGO.

Kill AND SAVE the THE BLOOMS Bugs!

QUICKLY DOES IT.

Causperleptha

THE most effective combined Fungicide and Insecticide up to date. Try it. Price per quart, 75c; 1-2 gallon, $1.25; gallon, $2 00.

Walter Mott Seed & Bulb Co.

108-110 E. Second St., Jamestown, N. Y.

BEST AND Cheapest ALL-ROUND INSECTICIDE on the Market.

"ROSE LEAF" EXTRACT OF TOBACCO INSECTICIDE

For Sale by Seedsmen. For Free Pamphlet Write to The Kentucky Tobacco Product Co., Louisville, Ky.

Please mention the American Florist when writing.

AMERICAN FLORIST ADS ALWAYS DO BUSINESS

Week days and every day, Sundays and holidays,

ALL OVER THE COUNTRY AT HOME AND ABROAD.

Here i Kum, Bi gum,
Bound fur the
Carra-Nation Asso-ci-ation.

Fur i want tew se them chaps wat sa tha kin gro karnations as big as a sasser.

Now Florists if u'l'e uze mi Bilers an green Hous Kontrapshins u kin gro em as big ez a Kabbage.

So send tew me fur mi Kat-a-log wat tels awl about em.

Me name is

J. D. CARMODY

an i liv in Evansville, Ind., Klose tew Pozey Kounty.

FRUIT AND FLOWER PLATES

Seed Packets and Supplies of all kinds for
NURSERYMEN, FLORISTS and SEEDSMEN
SEND FOR PRICE LIST.

Stock Cuts, 10c per square inch. Engraving by all processes. Printing and Lithographing. Illustrated Catalogues a specialty.

VREDENBURG & CO., Rochester, N. Y.

KIFT'S Patent Adjustable Vase Holders

No. 1.—Brass, nickel, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) $2.25. Price complete (with green or white cornucopia vases) $2.50. No. 2.—Heavy 4 ft. rod brassed and nickeled, with three clasps for 5 to 6-inch pots, each, $1.75.

Kift's patent rubber capped FLOWER TUBES, 1½-inch diameter, per 100, $3.50.

JOSEPH KIFT & SON, 1725 Chestnut St., Phila., Pa.

Adjustable Plant Stands

THE BEST ON THE MARKET.

1 Stand $1.50; 3 Stands $4.00; 6 Stands $7.50; 12 Stands $14.00.
YOU NEED THEM IN YOUR BUSINESS.

C. B. WHITNALL, MILWAUKEE, WIS.

Please mention the American Florist when writing.

THE Regan Printing House
NURSERY SEED FLORISTS' **CATALOGUES**
87-91 Plymouth Place,
CHICAGO

GARDENING

This is the paper to recommend to your customers, the leading horticultural journal in America for amateurs.....

$2.00 Per Year. Sample Copies Free.
Liberal terms to florists who take subscriptions.

THE GARDENING CO. Monon Bldg. **CHICAGO.**

Please mention the American Florist when writing.

RIPLEY'S No. 7 SPRAYING & WHITEWASH OUTFIT

Sold under a guarantee to be as represented. Capacity 60 to 75 Gallons per hour; reduced to a fine mist. All working parts of pump made of best Red Brass. Has standard Oak Barrel, with heavy Galvanized Hoops. 36-inch round edge iron wheel, so as not to cut lawns. Rigged to be shoved by hand or pulled by horse. It is designed to meet the demands of City and Suburban Residents, Parks, Cemeteries, Spraying Orchards. Fine for Whitewashing Buildings, etc. Net cash price No. 7 Outfit equipped with 5 feet best hose and 6 feet extension rod; one double Vermorel and one Calla long distance nozzle, same as shown in cut, **$21.50.** Rigged for horse, **$22.50.** Mail 5 cents in stamps and receive copy of our 1902 Sprayer and Breeders' Supply Catalogue.

Ripley Hardware Co.
Manufacturer of Sprayers,
BOX 19. GRAFTON, ILL.

A New Trade Journal.....

The cheapest and best advertising medium in the Trade is the new "Horticultural Advertiser of America," reaching over 5000 leading nurserymen, seedsmen, florists and dealers every week. Rates only 50c per inch, front page 75c, cash with order. Every advertisement indexed. The first issue on March 1st will be of especial value to advertisers. Send orders now for best space.

WALTER H. HARRISON, LA MOTT, PA.

Mention the American Florist when writing to advertisers on this page.

The Horticultural Trade Journal
THE LARGEST, BRIGHTEST AND BEST

Horticultural Trade paper in the British Isles. It contains MORE ADVERTISEMENTS, MORE ILLUSTRATIONS and MORE NEWS than any of its contemporaries. Read by the whole of the British trade and all the best European houses every week. Annual subscription, 75 cents. Specimen copy post free. Published weekly.

Horticultural Trade Journal Co., Padiham, Lancs., Eng.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser."

This is the British Trade Paper, being read weekly by all the Horticultural traders; it is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage 75c. Money orders payable at Lowdham, Notts.

Address EDITORS OF THE "H. A."
Chilwell Nurseries, LOWDHAM, Notts, England.

Please mention the American Florist when writing.

Minneapolis.

TRADE VERY ACTIVE BUT LENT LIKELY TO MAKE SOME IMPRESSION.—VARIOUS NOTES.

Last week's business was exceedingly good and there were a large number of decorations, which made the call for greens heavy. But Lent's arrival will quiet this somewhat. Tea roses, especially Meteors and Liberties, have been a shortage for the last month and the dark weather does not hasten them any. Bridesmaids and Brides are not overly plentiful, but just about meet demands. Beauties, too, are scarce and in order to secure them early orders have to be placed. Daffodils, Romans and Paper Whites are in goodly supply, but the call uses them up nicely. Valentine's day made violets the popular flower, but from reports the trade was not what was expected and prepared for.

Hans Rosachen, formerally of the East Side Floral Co., has purchased a small tract of land on the East Side and will erect a range in the spring.

Rice Brothers report good business the last week but not as rushing as the preceeding one, mostly because of the shortage of roses.

Frank Kindler, of St. Cloud, has been spending the week in the Twin Cities on business, and calling on the trade in general.

Lily of the valley is very fine but does not realize more than $3 per hundred.

C. F. R.

Omaha.

BUSINESS STEADILY BRISK.—GOOD STOCK PLENTIFUL.—BOWLERS PLAN A PICNIC.

Business has been good and steady and prices have kept up well. Never before were so many parties and teas as this season and the purchasers are more free in buying than in former years. Stock never was better than this season and, in fact, poor stock cannot be found. Some growers cut their buds too close, which will make them poor. Potted plants are selling well, azaleas especially, and well grown cinerarias. Cyclamens are not moving as well, although the plants are up to former years. Bulbous stock sells well, better than ever. Valentine's day is getting to be a Christmas on a small scale. Violets, American Beauties and carnations are the favored flowers for valentines, with a few flowering plants.

February 9 the Nebraska Florists' Society held its monthly meeting and February 27 was set as the date for a florists' bowling picnic. The "Southsiders" will play the "Northsiders" for a cash prize and after the bowling there will be a supper.

GRIPPE.

KELLER BROS.,
213-15-17-19-21-23 Pearl St.,
NORRISTOWN, PA.
Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts
Please mention the American Florist when writing

FLOWER POTS
ALL KINDS.
STANDARD POTS A SPECIALTY
List and SAMPLES FREE.
SWAHN'S POTTERY MF'G CO.,
P. O. Box 78. MINNEAPOLIS, MINN.
Please mention the American Florist when writing.

Awarded the only first-class Certificate of Merit by the Society of American Florists at Boston Aug. 21, 1890, for Standard Flower Pots.

Traveling Representative,
U. CUTLER RYERSON,
108 Third Ave. Newark, N. J.

THOSE RED POTS
"STANDARDS"
FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y,
HARRY BALSLEY, Rep. DETROIT, MICH., 490 Howard St.

Red Standard Pots.
CORRECT SIZE.
SUPERIOR QUALITY.
Write for price list.
G. HENNECKE CO., MILWAUKEE, WIS.

Standard Flower... POTS
If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.....
W. H. ERNEST,
28th and M Streets, WASHINGTON, D. C.

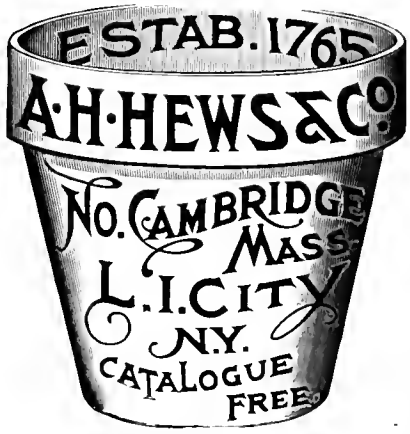
GEO. KELLER & SON,
MANUFACTURERS OF
FLOWER POTS.
Before buying write for prices.
361-363 Herndon Street,
near Wrightwood Ave.,
CHICAGO, ILL.

RED POTS
SAMPLE POT AND PRICE LIST ON APPLICATION.
C. C. POLLWORTH CO., MILWAUKEE, WIS

NEPONSET Flower Pots.
LIGHT, COMPACT, UNBREAKABLE, UNEQUALLED.
You can buy these of your nearest dealer.
F. W. Bird & Son, Mill and Main Office: EAST WALPOLE, MASS.
NEW YORK: 120 Liberty St. CHICAGO: 1434 Monadnock Bldg.

WRITE
A. F. KOHR, 1521-23 N. LEAVITT ST., CHICAGO, ILL.,
FOR PRICES OF
Standard Pots
which for strength and porosity combined are the best on the market.

American Florist Advts.
Reach all the Trade.



STANDARD FLOWER POTS!
Packed in small crates, easy to handle.

Pots	Price per crate	Pots	Price per crate
1500 2-in., in crate,	$4.88	120 7-in., in crate,	$4.20
1500 2¼ "	5.25	60 8 "	3.00
1500 2½ "	6.00	48 9 "	3.60
1000 3 "	5.00	48 10 "	4.80
800 3½ "	5.80	24 11 "	3 60
500 4 "	4.50	24 12 "	4.80
320 5 "	4.51	12 14 "	4.80
144 6 "	3.16	6 16 "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers. Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.
HILFINGER BROS' POTTERY,
OR.... FORT EDWARD, N. Y.
AUGUST ROLKER & SONS, New York Agents, 52 DEY STREET, NEW YORK CITY.

THE
Gardeners' Chronicle.
A Weekly Illustrated Journal.
ESTABLISHED 1841.
The GARDENERS' CHRONICLE has been FOR OVER SIXTY YEARS THE LEADING JOURNAL of its class. It has achieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, the information furnished is of such general and permanent value that the GARDENERS' CHRONICLE is looked up to as the STANDARD AUTHORITY on the subjects of which it treats.
Subscription to the United States, $4.20 per year. Remittances to be made payable to H. G. COVE.
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41 Wellington St., Covent Garden, London, England.

MOLLER'S
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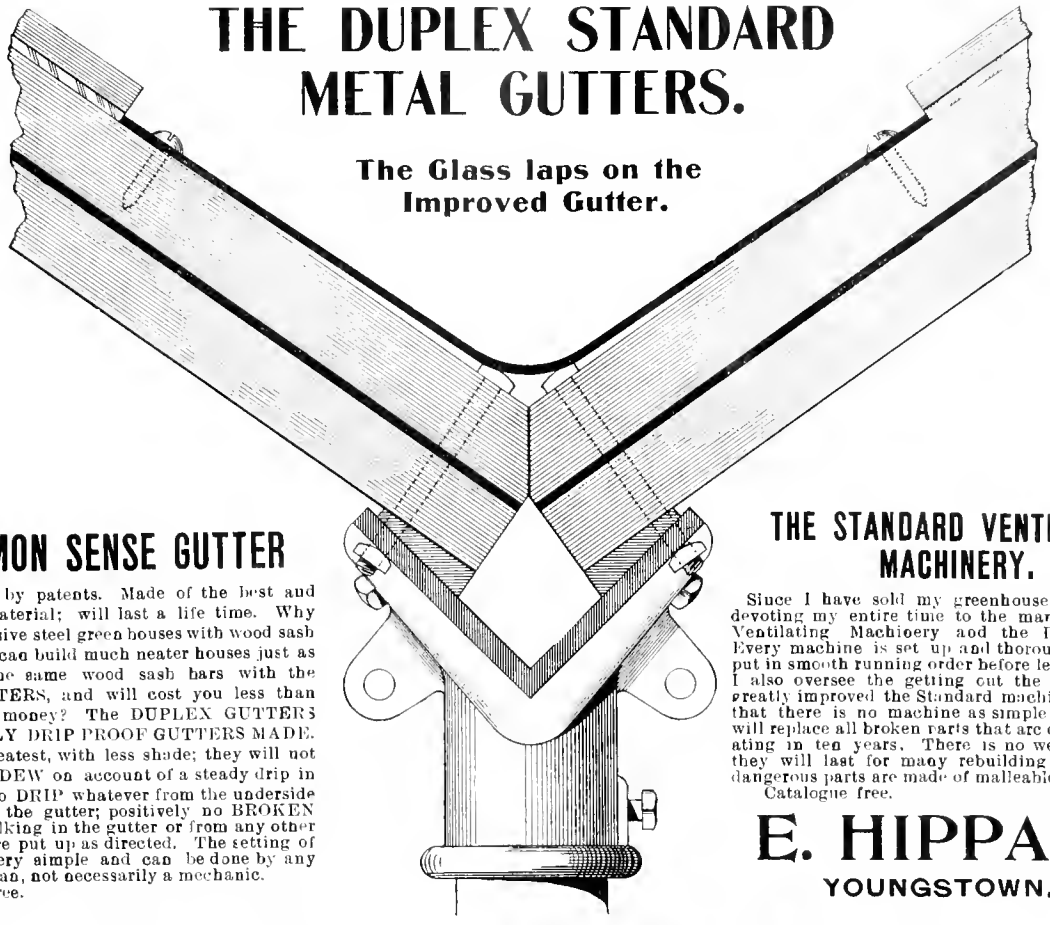
The Glass laps on the Improved Gutter.



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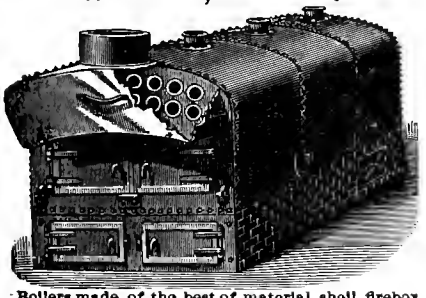

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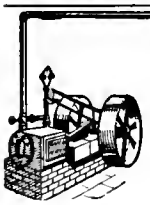

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Los Angeles.

STOCK SCARCE BECAUSE OF LONG CONTINUED COLD WEATHER.—TRADE MATTERS HERE AND THERE.

The retailers have been trying for several weeks to solve the problem of how to run a store and fill all orders when the frost has reduced the supply of flowers to almost nothing. Since the middle of December stock has been in very short supply, not nearly enough to meet the demand. However, this condition will not last longer than after a warm rain, when flowers will be abundant.

The management of the extensive carnation fields and all the grounds used for the production of cut flowers by the Redondo Floral Co., at Redondo Beach, has been placed in the hands of an experienced grower who comes highly recommended from one of the eastern states.

Capt. Melville Walker, the wholesale grower of cut flowers, and Morris Goldenson, the Spring street florist, are on a business trip to San Francisco. They traveled north by ocean steamer.

Reports from some of the foremen in the city parks state the park vegetation suffered more from frost on the morning of February 6 than at any other time within a dozen years.

The sympathy of all florists and gardeners is extended to Mr. and Mrs. John F. Morley, whose only son, a bright boy of seven years, died as the result of hip disease. D. R. W.

St. Paul.

LENT PRODUCES SLIGHT EFFECT ON TRADE.—STOCK NOT OVER-PLENTIFUL AND SELLING WELL.—COAL FAMINE AVERTED.—VISITORS.

Although Lent commenced ten days ago trade has not received any perceptible check and flowers are still in good demand. Weather conditions have been ideal, so there has been a good cut, both in quantity and quality. Carnations are more plentiful than they were a few weeks since, but good roses are comparatively scarce. Bulbous stock is quite abundant but has sold very well.

There has been a threatened soft coal famine, but this has been happily averted, though growers who were not fortunate enough to contract in advance have paid fancy prices.

The travelers are becoming numerous. Recent visitors were Mr. Keur, Hillegom; Mr. Ward, representing Hagemann & Meyer; C. W. Scott, of Vaughan's Seed Store, and the rotund "Joe" Rolker.

FELIX.

NEWBURG, N. Y.—Jos. Harrison, treasurer of the Chadborn Manufacturing Company, and Mrs. Harrison are en route to Florida for a month's outing.

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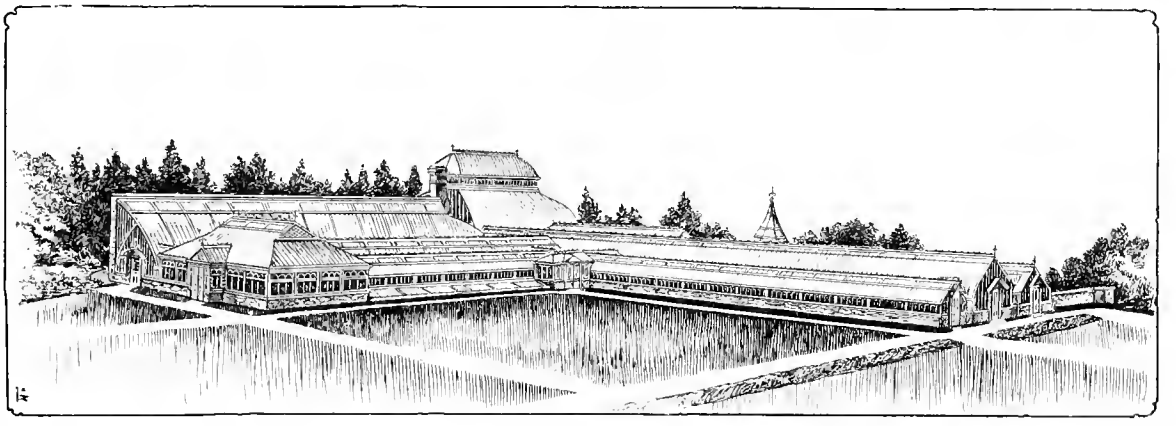
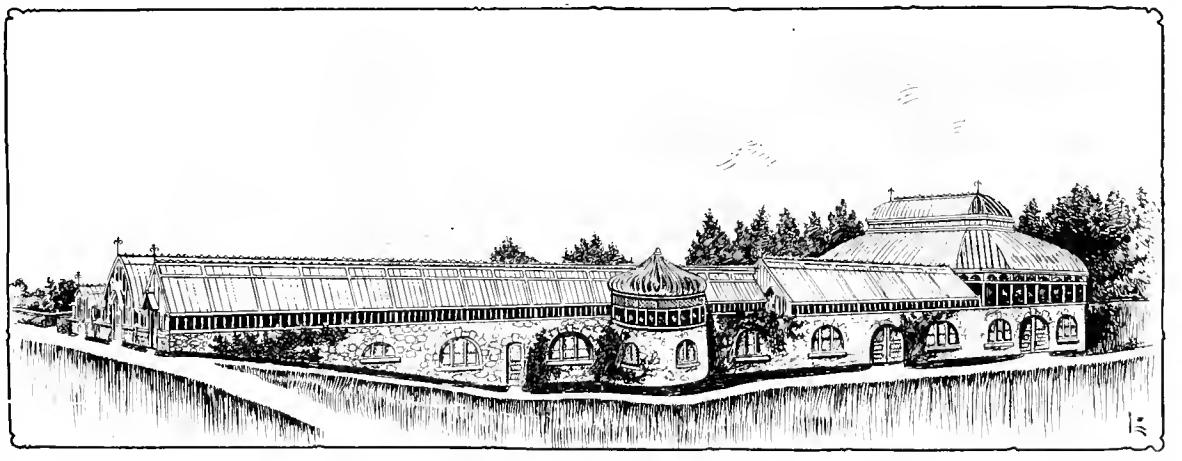


NOW BEING ERECTED FOR HOWARD GOULD, ESQ., SANDS POINT, L. I.

THE above cut represents a prespective view of the range of Conservatories and Greenhouses now being erected by me for HOWARD GOULD, Esq., at Sands Point, Long Island, which will cover over 20,000 square feet of ground and is probably the largest private range of greenhouses in the country. **All the greenhouses are absolutely fireproof,** no wood at all being used except for the doors. The roof, sides and ends are to be glazed on the "Paradigm" System of Glass Roofing, an illustrated catalogue of 40 pages descriptive of same sent free on application.



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Nashville.

JOYS BUY THE CURREY PLANT FROM THE TRUSTEE IN BANKRUPTCY.—TRADE CONTINUES GOOD.—VARIOUS NOTES.

For the past month the trustee, A. W. Akers, has been engaged in closing out the stock in bankruptcy of Currey & Co. A large number of plants were sold to private parties but the bulk of the stock and the entire plant, comprising over an acre of glass with the contents of the greenhouses and the lots upon which they were built, were closed out to the Joy & Son Co. The old and well known firm of Currey & Company was the pioneer in the business here, having been established in 1875. It now passes out of existence. Joy & Son will for the present run the plant, at least until after Easter, and will then determine what they will do in the future.

The severe weather and heavy snows for the past few weeks have had the effect of shortening stock on roses and violets. Dealers had very good sales on Valentine's day, but were short on violets. The Lenten season has very little effect upon the flower trade, as a rule, in this city, for while there are no great occasions or very large call for flowers, there is a steady small demand.

Some very fine carnations are coming in now, and Geny Brothers are showing a very fine white, large in size and perfect in form.

It is rumored that a well known department store will shortly open a cut flower department. M. C. DORRIS.

RACINE, WIS.—The city is going into the florist business, erecting a greenhouse in the cemetery. It is not at present contemplated to sell plants to lot owners, only to avoid buying them for the cemetery beds.

WAYNESBORO, PA.—Henry Eichholz will vacate the old Witterhouse greenhouses, built in 1891, on October 1, and will remove this summer to his new place, purchased two years ago, eight modern structures, one 31x150, one 12x150 and six 10x60. The place is beautifully located, overlooking the Cumberland valley, with the Blue Mountain chain as a background. Geraniums and novelties in carnations, roses and chrysanthemums will, as heretofore, be the stock grown.

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IS FAR MORE DURABLE THAN PINE.
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UP TO 32 FEET OR LONGER.
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Prices range from $1.40 to $1.90 per 100 pounds.
Our Free Catalogue No. 47 for the asking. We handle all kinds of supplies from Sheriff's and Receiver's Sales.
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OUR VENTILATORS
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Prevents Mildew

Operates to perfection in catchy weather.

Commercial growers use them largely

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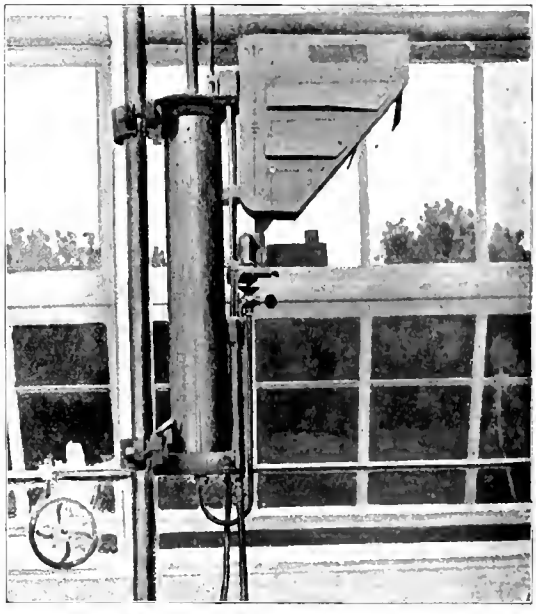

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Will last a lifetime and soon pay for themselves.

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Plans and estimates furnished on application for Heating and Ventilating Apparatus erected complete or for material only. Catalogue of Patent Iron Greenhouse Construction mailed on receipt of five cents postage.

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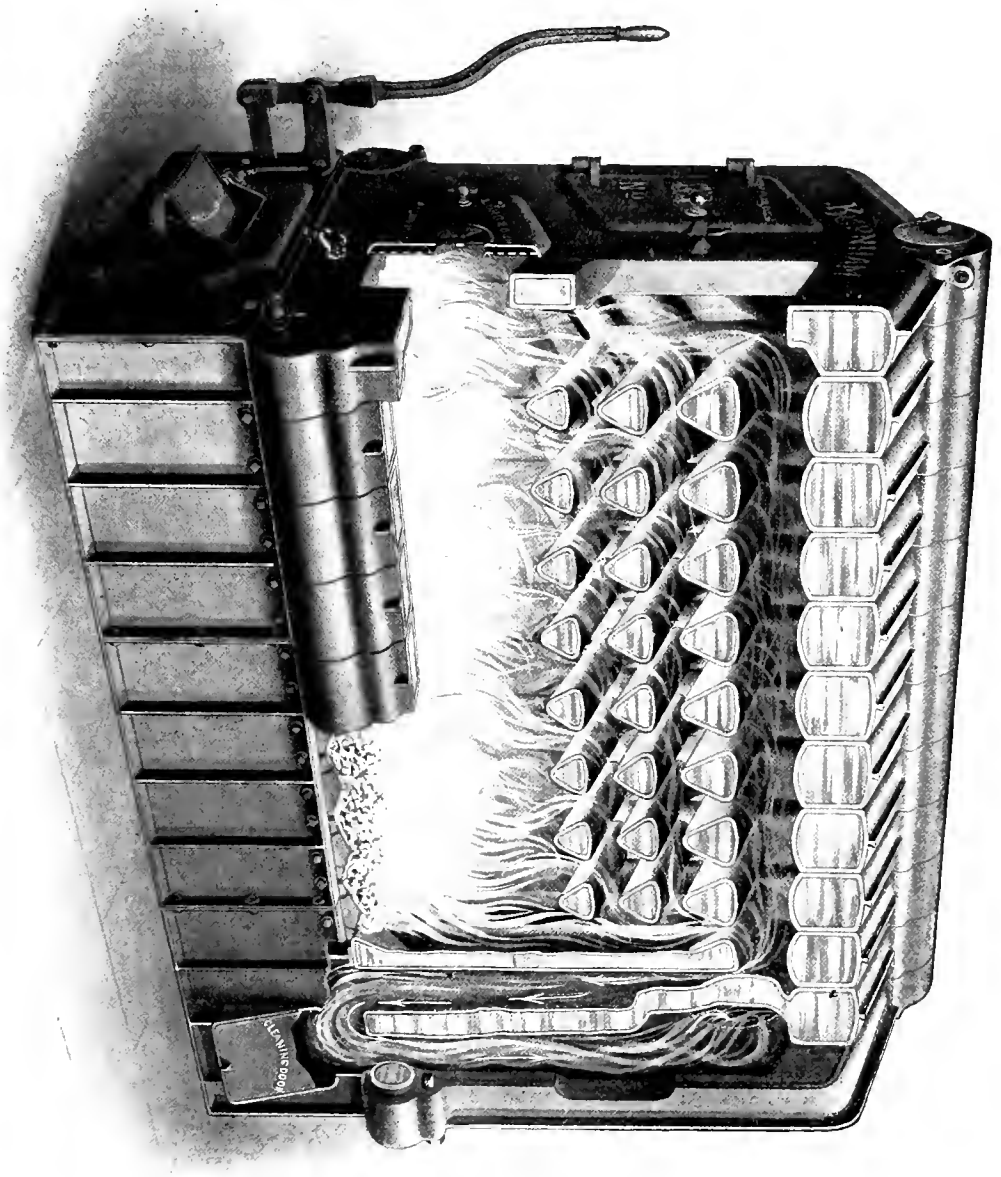

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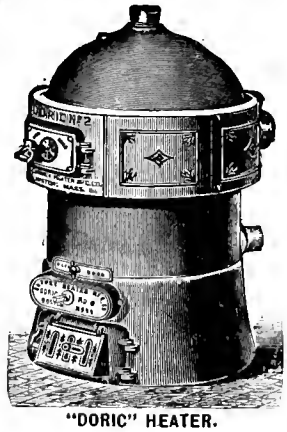

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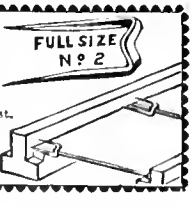

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Vol. XVIII. **CHICAGO AND NEW YORK, MARCH 1, 1902.** **No. 717.**

THE AMERICAN FLORIST

SEVENTEENTH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

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THE AMERICAN CARNATION SOCIETY.

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AMERICAN ROSE SOCIETY.

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Annual meeting at Asheville, N. C., August, 1902. Edwin Lonsdale, Chestnut Hill, Pa., Sec'y.

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Seasonable Plant Notes.

Lack of space is a common complaint at this season of the year from the fact that the Easter stock is occupying a great deal of room in the majority of florists' places and, this crop being one of the most important of the year, it does not pay to skimp it. As the taste of the plant buying public advances, the demand is for better and still better stock, and in order to meet this demand space must be had at the right time for the best development of the plants.

It has been often noted that plant prices do not seem to advance in proportion with the advance in quality of the stock produced by the leading growers, and there is doubtless much truth in such a statement, but nevertheless the grower of good stock has a much better chance in the market during a dull period than the producer of low grade plants. The higher grades of cut flowers bring better prices than the average cut, and it would seem only reasonable that the same rule should apply to the plant trade. It may be remembered, however, that we cannot yet import cut flowers as readily as this is done with many lines of plants, and, to that extent, at least, the grower of cut flowers has some advantage over his brother who handles plants only.

HENRY DAILLEDOUZE.

Vice-President American Carnation Society.

But to return to the work of the season, we find that the present time is one of the best of the year for the propagation of many plants, and during this month the propagating beds should not be idle, even though one has to build shelves in order to find accommodation for the product of the propagating beds. Many foliage plants root very readily at this time, among these being crotons, acalyphas, dracænas, ficuses and others, the process of rooting progressing very rapidly during the period when we have steady bottom heat and not too strong sunshine. Of course the cutting beds or frames are likely to dry out much more rapidly with the strong firing that is so frequently required in midwinter, but this only necessitates a little more watchfulness on the part of the operator, and should be attended to just as soon as the house warms up in the morning, or at about 9 a. m.

The chief secret in the successful rooting of cuttings is to maintain moisture enough to keep the cuttings plump and stiff without getting the rooting medium so wet as to encourage the decay of the cuttings and at the same time to give sufficient ventilation to keep the air pure and sweet and thus to avoid the spread of fungus. Pure, fresh air is one of the best disinfectants known, and if one can keep up a sufficient supply of this cheapest of remedies there will be but little to fear from wandering bacteria.

Some growers find a little difficulty with cuttings of the variegated acalyphas damping off, but this is perhaps due to some extent to using cuttings that are rather too hard, the better method being to bring the stock plants into the warmest greenhouse at about the holidays, giving them a shift if the plants are starved, and they will then start freely in a very short time, producing an abundance of short and soft young shoots that form the very best material for cuttings. These cuttings will root rapidly in a night temperature of 65° to 70° and will also grow on rapidly into useful stock when kept under similar conditions and given plenty of light and moisture, for it should be borne in mind that acalyphas are naturally tropical subjects.

It will be remembered by propagators that the soft young tip of the common

verbena will root in about three days, while a hard shoot from the same plant may take two weeks in the rooting process, and much the same rule applies to the variegated acalyphas, except that the latter plant usually occupies ten to twelve days in rooting anyway.

Another notable example of the value of selection in attempting the propagation of plants that are a little "miffy" about rooting is found in the case of that very pretty greenhouse shrub, Coprosma Baueri variegata, a plant that roots with reasonable facility when the cuttings are very young and soft. For example, the short side growths from a plant that has been brought into heat, while hard cuttings will almost invariably damp off promptly, or else absolutely refuse to form roots. The same rule will apply to a much more common subject, namely, Lippia (Aloysia) citriodora, the lemon verbena, a plant that roots very readily from soft cuttings, but hesitates decidedly if the wood be hard.

It is also a wise plan never to allow cuttings to remain in the sand or whatever medium may be used on the propagating bench after they are fairly rooted, for but little nourishment can be had from such a source, and the young plant may get stunted by such treatment, besides the loss of time in filling up the space with a new lot of cuttings.

The rooted cutting business has grown to large proportions with many growers, but at the prices quoted for much of this stock it certainly would not pay to occupy bench room with it after the cuttings were once rooted, and in consequence the crop is moved off rapidly and a new lot follows just as soon as they can be put in.

Plants that may be used in filling vases and window boxes form no small item in the stock of many florists, for not only considerable variety is admissable in such cases, but also a considerable quantity, for in both vases and boxes for the window or porch it is a prime requirement that an immediate effect be produced, the customer naturally objecting to having to wait "while it grows." The window box, if well filled, is perhaps more satisfactory than some of the vases, and especially those made of metal, for while the latter may be unique in design and perhaps artistic in outline, yet they do not provide ideal conditions for plant growing, unless it may be for the growth of century plants or Arizona cacti.

But the window box is more often made of wood and, being square sided, provides more root room for the plants therein, and in addition to this does not bake the roots so rapidly. Some of our large hotels and apartment houses use up quite a goodly quantity of plants in this kind of decoration, the winter filling of the boxes being managed with hardy evergreens, and as soon as the weather permits the evergreens are removed and their places occupied with spring flowers, hyacinths, daffodils, pansies and the like, and these in turn giving place to summer flowers, vines and foliage, the material used depending largely on the taste of the decorator and the location and exposure of the building.

W. H. TAPLIN.

PARKERVILLE, PA.—William Booth will close out his business and on March 1 return to his former home at Trenton, N. J.

NEW CASTLE, IND.—L. A. Jennings is making arrangements to replace his present range of greenhouses with new and thoroughly modern structures.

The Sweet Pea and Its Failings.

As Mr. Hutchins intimates, in his article on sweet pea troubles, issue of February 5, page 37, that he is more liberal—has learned to say agnosco in many cases now where formerly he believed he had absolute knowledge in matters of theology—he will pardon me if I suggest that honest seekers after truth should be equally humble in opinions as to undiscovered laws of nature. I think, however, that the vast majority of the readers of the AMERICAN FLORIST will agree with me that it has been demonstrated that the failure with sweet peas in certain sections has had nothing whatever to do with the locality in which the seed was raised. In fact, if I recollect rightly, Mr. Hutchins himself admitted as much the last time we had the pleasure of a visit from him at Fordhook. If Mr. Hutchins were right in the supposition

SWEET PEAS AT VICTORIA, B. C.

that the sweet pea had deteriorated by being grown in large areas for seed he certainly should be able to bring forth some evidence that in the same place where the regular brands of commercial seed failed there is success from Eckford-grown seed, which gave such admirable satisfaction a few years ago and which is produced of the same grade, in the same place and under the same expert culture as it was formerly. This to my mind is a complete answer to the whole question as to the trouble being with the seed.

I must entirely differ with Mr. Hutchins in his statement that "We have been developing it right away from this primitive quality." We have been doing no such thing. The fact is, as every seed grower will tell you, the quality and vitality of seed is much better in seasons of full crops than when the seed is small.

Compare the vitality of Long Island grown cabbage seed, crop of 1901, with the vitality of seed produced on a year when the crops are large. Consequently growing sweet peas in sections where they bloom most profusely and seed freely must tend to strengthen their vigor rather than to weaken it. As a matter of fact, American dealers are annually exporting increased quantities of sweet pea seed to the most critical houses in England. Several of these orders come from houses who admit plainly in placing same that they could get English-grown seed for less money but they prefer our American-grown seed. If I were at liberty to mention the names of several of these firms, even Mr. Hutchins would recognize the fact that they knew as much about the general seed business and were as anxious to please their customers with first-class seeds as can be Henry Eckford himself. Further than this we have repeatedly sold seed of our new race of Cupids to Henry Eckford direct. Anyone upon consulting his catalogue will see how enthusiastically he speaks of the dwarf Cupids and of their wonderful freedom of bloom.

Notwithstanding that there have been other sections where the extreme dry weather, aphis, or other causes have contributed to the failure of sweet peas for several years, as has been the case around Springfield, Mass., yet our demand for seed has shown a steady increase and we receive constantly most enthusiastic letters as to the grand success of our customers, both amateurs and florists. Frequently these customers mail us photographs of their vines. I send with this article a photograph (reproduced herewith) which has just arrived from Jas. A. Bland, of Victoria, British Columbia, which he writes us was taken on September 17. You will see by this photo that the sweet pea vines are at least ten feet high. Furthermore, I can honestly say that not even at Henry Eckford's own grounds in Shropshire have I ever seen better sweet peas, nor in fact as strong a growth of vine, as I had the pleasure of seeing last August in my native province of New Brunswick and in Nova Scotia. The vines for almost their entire length of seven to ten feet were covered with bloom of brilliant colors and immense size. In fact I felt quite proud when in the majority of cases I was told by my friends that they were grown from Burpee's seeds, either obtained direct from Philadelphia or through local merchants. Last July our Mr. Earl visited Buffalo at the time of the sweet pea exhibit at the Pan-American and he states that the flowers which composed our exhibit and the other flowers shown there were magnificent—of as high a standard as he had ever seen in Springfield. The flowers for our exhibit were grown by R. E. Boettger, of Eggertsville, N. Y. If Mr. Hutchins would write either to Mr. Boettger or to the sweet pea enthusiasts in the vicinity of Avoca, N. Y., they would gladly tell him doubtless of the complete success they had with the "regular commercial seeds" supplied by American seedsmen.

The suggested theory of having different sweet pea stocks localized in different states as a remedy for failures in certain sections seems to me, with all due deference to Mr Hutchins, simply ridiculous. It is a known fact that Mr. Eckford's novelties the year they are sent out give comparatively a weak growth of vines and sometimes fail to germinate satisfactorily. The seed grown in America, either along the Atlantic or Pacific coasts, shows stronger vitality and a much greater vigor in growth. The use of planting such a grand new variety as Miss Willmott was amply demonstrated by the blooms exhibited by Mr. Larrowe of Cohocton, N. Y., at the Pan-American.

I regret extremely that Mr. Hutchins has become "side-tracked" on the unten-

able theory to which he now seems to cling. I am quite sure that with his keen power of observation if he would only devote his energies in trying to find what is the trouble with local conditions where sweet peas fail we all might hope for some solution of this annoying problem.

W. ATLEE BURPEE.

In regard to the localization of the sweet pea, as advocated by Mr. Hutchins, I would say that I do not think the facts show that the cause of the failure of the plants is in the seed. Crossing may have done something to weaken and high cultivation, to secure size of flower and length of stem, more; but the sweet pea still has vitality enough to stand any rational treatment. I am inclined to assign the cause of failure to the use of too much and too strong fertilizers in the ground, to too close planting and too much water in the earlier stages of growth. And it also seems to me that there should be a rigid investigation for some insect or fungus disease that is at work.

As near as I can learn, whatever the cause is, it is gradually enlarging its area. I must confess that I can see no decrease in the vitality or root growth on my own grounds, either in my own seed or in Eckford's or California stocks. There has always been the necessity to plant the Eckford's in frames to germinate, but after once started they would make a good growth. One thing I have noticed is that where my plantings are thinnest the vitality is the greatest, and frequently they will produce bloom after a full crop of seed has been picked.

The question, it seems to me, is for sweet pea lovers to be contented with a little less size of flower and length of stem, to avoid forcing too much in the early growth, depend more on mulch and less on water.

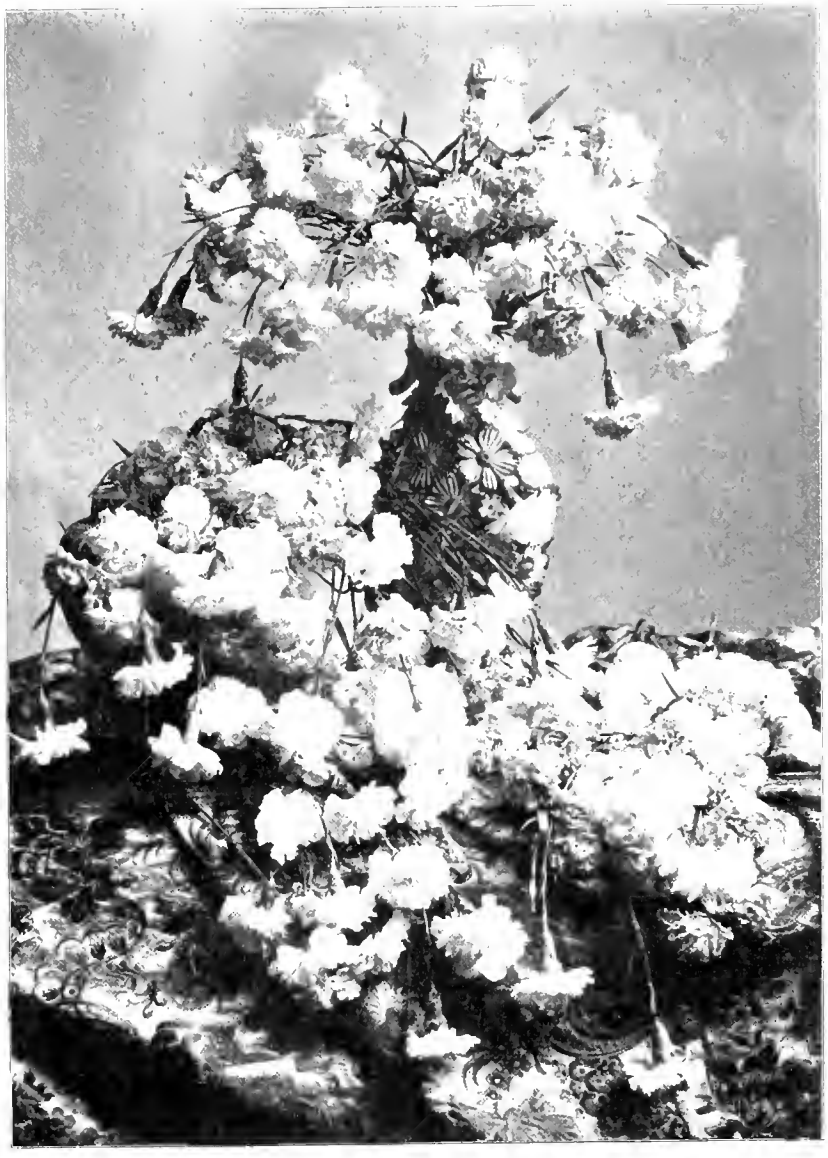
There is just one thing more that I cannot agree with and that is planting on a south exposure, where they will get the full sun all day. My own experience, even in this cooler climate, is that shade during the hottest part of the day always gives larger and more robust vines, with increased length of stem and size of flowers. I am not fully satisfied that the use of wire as a support does not have something to do with the matter.

If I were so situated I should certainly carry on some experiments to see if there are not local conditions which cause the failures. In the meantime, let those who have done anything in the line of growing and sowing their own seeds report their results, and also let those who make a success as well as those who fail compare notes and see if the cause cannot be ferreted out.

I believe it is universally admitted that where a plant grows to the greatest perfection there is the place to grow the seed.

S. T. WALKER.

Forest Grove, Ore.



CARNATIONS IN DECORATIVE WORK.
(From a photograph supplied by C. W. Ward).

CARNATIONS.

NEW VARIETIES AT INDIANAPOLIS.

There was much of interest to the carnation grower in the new varieties staged at Indianapolis. Practically all of the new sorts were shown and there was ample opportunity for the comparison of the novelties with the best of the older varieties. Among the season's novelties and undisseminated sorts, I noted the following:

John Hartje, of Indianapolis, showed four seedlings under number. No. 1431 is a well formed flower, deeper in color than Mrs. Lawson, of good size and with good stem. No. 1453 is a striking white, above the average in size and well built up in the center. No. 1420 is also a very good white and No. 1421 is a good pink, after the style and color of Ethel Crocker.

E. A. Nelson, of Indianapolis, showed the widely heralded pink seedling named after his wife and it was closely scrutinized by every grower present. A few plants of it have been tried by many of the best growers throughout the country and with uniformly good results. The flowers on exhibition seemed to merit the good opinions expressed.

R. Witterstaetter, of Cincinnati, exhibited Enquirer in extra fine shape and coming well up to the best vase on exhibition. From the same exhibitor there was a promising white marked No. 723 A.

L. E. Marquisee, of Syracuse, staged his new white, Empire State, a handsome flower of great size, with good stiff stem, excellent form and clear color.

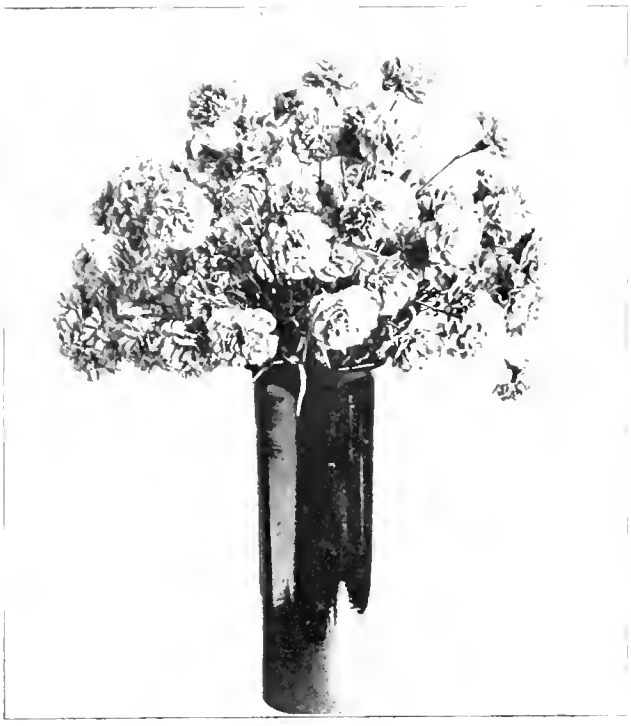
C. Warburton, of Fall River, Mass., showed Cressbrook in fine shape, giving much promise as a useful variety. It is deep pink in color and has a fine stem.

The E. G. Hill Company, of Richmond, had without doubt the best vase of blooms on exhibition, in Adonis, the winner of the Lawson and S. A. F. medals. The color is a bright scarlet, not seen in any other carnation, the size is large and the stem long and strong. They also showed Gaiety, a flower after the style of Mrs. Bradt, equally large, but the variegation is more decided, giving it a striking effect.

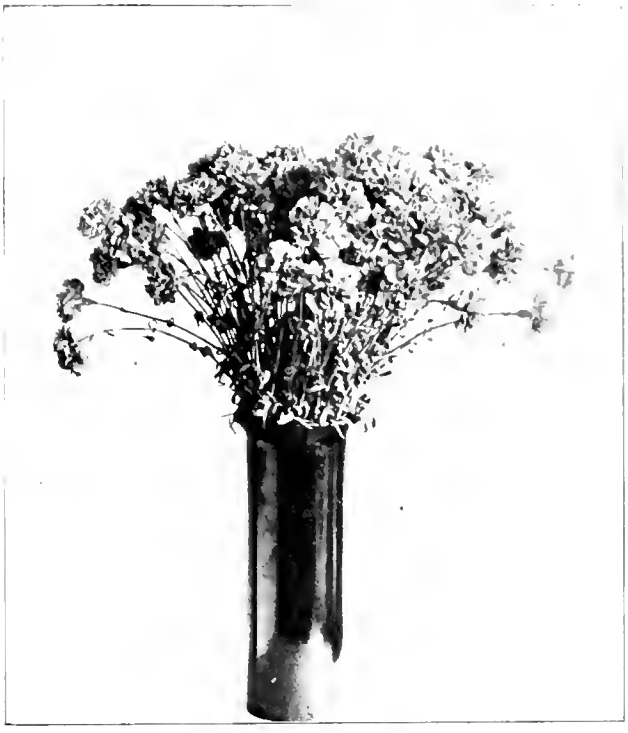
Peter Fisher's exhibits were delayed on the way from Ellis, Mass., but his Gov. Wolcott still showed up in fine shape and had many admirers. It may be described as a white Mrs. Lawson, size and stems fully up to that variety. His Enchantress is a beautiful, even Daybreak pink, pronounced by many the best of its color in sight. It has good stem, excellent size and fine form. Mr. Fisher also showed Mrs. M. A. Patten, a seedling after the Mrs. Bradt style, but the markings are not so prominent. It has the requisites of size, form and stem.

Emil Buettner, of Park Ridge, Ill., brought No. 99, a seedling deeper in color than Daybreak, well up in size, on stiff stems and showing good form.

G. M. Naumann, of Cleveland, staged



WITTERSTAETTER'S ENQUIRER.



BASSETT & WASHBURN'S MRS. LAWSON

PRIZE-WINNING VASES OF CARNATIONS AT THE INDIANAPOLIS EXHIBITION.

Louise Naumann, a pink after the style of Wm. Scott, but not up to present day requirements.

J. B. Goetz, of Saginaw, Mich., showed Oriole, a good scarlet as regards color, but not large enough to warrant the statement that it is an advance over existing varieties.

Boehringer Bros., of Bay City, Mich., brought Daybreak Perfection, so far as flower goes, an improvement over that variety, but a little soft.

E. T. Grave, of Richmond, Ind., showed Camælliaflora, a white showing up in every respect to good advantage in comparison with other sorts on exhibition. If other growers can do this sort as well as it is grown by the originator, it should prove a winner.

F. Dorner & Sons Company, of Lafayette, Ind., had a fine display of seedlings and also showed their novelties for this season. Dorothy Whitney is a fine yellow, Alba a grand large white, and Stella a variegated sort after the style of Mrs. Bradt, with large size and good stem. But the best of them all seems to be Apollo, a very promising scarlet.

The Chicago Carnation Company, of Joliet, Ill., staged their novelties for this season, together with No. 101, a fine, well formed white after the style of White Cloud, but a big advance on that variety. They also showed the famous crimson, Harlowarden, which will be heard from later. Mrs. Higinbotham and Mrs. Potter Palmer are very well known and as staged gained many admirers.

Baur & Smith, of Indianapolis, put up a fine display of seedlings.

C. W. JOHNSON.

THE IDEAL CARNATION.

In his response to the toast "Carnations of the Future" at the banquet at Indianapolis, L. E. Marquisee said in part:

What is the ideal carnation, the carnation of the future? First, it must be healthy, strong and vigorous. This goes without saying and needs no argument. We want no weaklings, no varieties of deficient vitality, for they cannot produce the resutes we require. Second, it must have the "upright habit," as it is called, producing only flowering shoots and no surplus grass. "Grassy" carnations, producing unnecessary foliage instead of and at the expense of flowers are back numbers. Our bench room is too valuable to tolerate such stuff.

The carnation of the future must therefore be free. It must also be early and continuous. We cannot afford to wait till the season is half over before obtaining our results. "Croppers" are to be discarded. By the way, we need a good white now to flower by the first or middle of September to fill the gap between the time asters are gone and the present white carnations come into flower. Who will produce it?

The carnation of the future must have strong stems, not necessarily as stiff as a poker, holding the flower at the top like a wad of cotton on a stick. A slight droop, just enough for grace, is not only not objectionable, but desirable. Stems eighteen to twenty-four inches long are sufficient for all practical commercial purposes. Stems three feet long are especially adapted for exhibition purposes.

The carnation of the future must have size. The little buttons of former days will no longer answer. Three to three and a half inches make a good average commercial size. The general utility of carnations much larger than this might be questioned.

The color must be pure of its shade, if white, a pure white; if pink, a true pink, whether light, medium or dark, unmixed with the purplish or magenta shades. In scarlet it must be a rich, deep, intense scarlet. At present Adonis will answer.

The form must be beautiful and shapely and while not so regular as to suggest the idea of stiffness it must be sufficiently so to represent the characteristic circular form. It must be fine petaled rather than coarse, many petaled rather than few, well built up in the center rather than flat, serrated, though not too deeply, rather than plain. It must have substance and be a good keeper and shipper.

It must be fragrant. A beautiful carnation without fragrance is like a landscape without sunlight, music without expression, oratory without feeling, a beautiful face with no soul behind it.

ROOTING CARNATION CUTTINGS.

ED. AM. FLORIST:—In the past we have bought our carnation cuttings, but we would like to try rooting our own stock. Will you please to tell us how to proceed. A. P. C.

Select cuttings from good healthy plants such as are producing good flowers and take them from the base of the flowering branch. They can be either cut or pulled, the only important part being to have good wood, that is, one or two joints below the tip of the cutting, so that it is hard enough to stand handling. Pull a few of the lower leaves off the cutting or rather pinch them off, as the cuttings should not be barked or skinned in any manner. They will root equally well if cut off clean at the bottom or left just as they are taken from the plant. Use any good, clean sand that will root other stock and keep them carefully shaded and syringed until they have started to root; then they can be gradually given light and air in abundance. The shading can be any material handy that will keep out the sun and keep off all currents of air from the young cuttings. I find a medium grade of muslin the best shading and easiest managed if nailed on lath so that it can be rolled up easily. Syringe in the morning and if very hot the shading can be syringed once during the day. Keep the sand

BASSETT & WASHBURN'S GOLD NUGGET.

PETERSON'S ESTELLE.

PRIZE-WINNING VASES OF CARNATIONS AT THE INDIANAPOLIS EXHIBITION.

from 45° to 50° and the top temperature about the same; 45° is the best, although it takes a little longer to get them rooted. As soon us well rooted, pot or plant them. ALBERT M. HERR.

ROSES.

ABOUT BEDDING ROSES.

ED. AM. FLORIST:—Which varieties of the hybrid tea roses give the greatest amount of bloom when bedded outside, and what would be the fair average life of the plants when they must be taken up in the fall and stored in a cool cellar during winter? F. C. C.

Kaiserin Augusta Victoria, Balduin, Robert Scott, Gruss an Teplitz, Souvenir du President Carnot and La France are probably the best of the hybrid tea class for summer blooming in the open ground. As to the average life of roses when they have to be lifted in the fall and stored in a cool cellar, unless they are better cared for than is general under such circumstances, about one year will be the average life of them. Instead of placing them in a cool cellar for the winter lift them carefully in the fall and heel into a cold frame made of rough boards, sunken eighteen to twenty-four inches in the ground, and when the plants are all replanted in the frame fill the balance of the space above the tops with dry leaves to the level of the ground. Over this, as soon as cold weather sets in, shelter should be placed to keep off snow and rains. As soon as the weather will permit the removal of the covering in the spring, gradually expose the plants to sun and air for two or three weeks, in which time they will make new roots and be ready to start into active growth as soon as planted in their summer quarters. I have seen not only hybrid teas but teas carried over very successfully for several years with not over five per cent loss with above treatment. JOHN N. MAY.

GRAFTING ON MANETTI.

Most of the growers have commenced their grafting by this time, but those who have not should not delay. A few suggestions at this time might prove valuable to some of our fellow rose growers.

All of the Manetti stocks should be potted up by this time. I should advise anyone who has any grafting to do to pot all the Manetti stocks before grafting and not to graft before they have started a little. I generally begin by picking out those which have the eyes just starting to swell, and in this way those which start slowly will be left until the last and will have had time enough to develop a flow of sap.

I think the best plan is to set the stocks under the bench in some cool house, say a carnation house, for instance, one where the temperature is below 50°. Leave them there until you see the eyes swelling, and then use only those that have started. I think by starting them slowly in this way it gives the best results, as they form new roots, which will be their main dependence when they are called upon for a sudden flow of sap, which must not cease after they are first united with the scion.

In starting them in this way there is less chance for the Manetti to remain dormant for even a little time after it is united with the scion, which is growing. If the scion is placed on a Manetti stock which does not have a flow of sap from the very first, you will either lose the graft altogether or it will be liable to make a weak plant, one which will not unite firmly and will be liable to break away at some future time.

After the grafted stock is placed in the case, take especial care to keep the temperature at its proper height and have the case quite damp at all times. When they have been in the case a short time the stock is liable to send up young shoots, which should be cut back as soon as they appear. Take good care to keep down fungus. This can be warded against by syringing with lime water quite freely. Between each new and old batch of grafts it is a good idea to use a liberal supply of air-slaked lime in the bottom of the case. This helps to sweeten it wonderfully.

After the stocks have been in the case about eighteen days they should be united enough to permit giving them a little air. This must be determined by examining the union. Give only a crack of air at first and increase very gradually until they are hardened enough to be taken out into a house where a rose temperature is maintained day and night. A temperature a trifle higher than the rose temperature, say 65° at night to 75° in the daytime, is much better for a week or two, but this is not always possible.

They will need constant attention now. All the Manetti shoots should be kept cut off, the binding around the union should be cut wherever it is pinching, and they should be syringed on all bright days to keep red spider down. As soon as they need repotting they should be shifted into new pots, with a good, rich soil.

If they are watched carefully from now on and the mildew is kept in check, when the time comes for planting you should have good stock free from spider and fly. Attend carefully to the disbudding and keep your plants stocky and free from blind wood; then they will be ready for their winter's work. R. I.

The Balduin Controversy.

ED. AM. FLORIST:—The committee on Balduin rose feels it necessary to make brief comment on Myers & Samtman's letter recently submitted to it. Myers & Samtman state "we all know that one could not call a cut rose Columbia and the bush on which it grew Balduin;" this refers to Ernst Asmus having sold the cut blooms under the name of Columbia; but Mr. Asmus' record is quite

clear. He received the rose from Mr. Cook as an unnamed seedling and, wishing to market the cut blooms as Columbia, asked permission from Mr. Cook to so have the plant named. Mr. Cook could not give this permission as the rose had not been named and it required the raiser's (Mr. Peter Lambert) consent to name it. In the meantime the provisional name of Columbia was used on the cut flower invoices for market purposes only, and when the plant was eventually named Baldnin by Mr. Lambert, Mr. Asmus sold his stock of it to Peter Henderson & Co., under its correct name. Myers & Samtman say further: "This committee reports that we sold Columbia twelve months after this time as our 'new rose' as they put it." The expression "new rose" is not the committee's; it is taken verbatim from the contract which is signed by both parties, Messrs. Myers & Samtman and The Dingee & Conard Company.

Myers & Samtman are in error when they say: "At the time of our contract with The Dingee & Conard Company we did not know of any other stock of the rose, excepting what was in the hands of the New York party mentioned above (Asmus). As a matter of fact Myers & Samtman knew in the spring or summer previous to the time they sold the rose to The Dingee & Conard Company as their "new rose" that they had shipped a stock of it to Hill & Co., Richmond, Ind., labeled either Balduin or Columbia, and they also knew that Jennings & Co., Olney, Pa., had a stock of it. They were also aware that several western firms had it in their catalogues, as had Peter Henderson & Co., which latter fact was brought prominently to the notice of Myers & Samtman.

The committee in its first report, gave a history of the rose as far as they could, at that time, ascertain the facts, and Mr. Myers, of Myers & Samtman, was asked by the chairman of the committee, Mr. Lonsdale, to attend a meeting of the committee, but he did not do so. He did, however, give in writing his opinion "that Balduin, Red Kaiserin, Columbia and Helen Gould are one and the same."

In regard to Messrs. Myers & Samtman's aspersion on the integrity of the committee, the members of said committee are quite willing to be judged by their records of the case. Signed,

EDWIN LONSDALE.
ALEX. B. SCOTT.
ROBERT CRAIG.

The "Brass Band Introduction."

Two weeks ago there appeared in The Florists' Exchange a statement from Myers & Samtman which they claimed was their side of the case in the Balduin rose controversy. Among other things they said, referring to the importance of the variety: "So much was made of it that the correspondent of the AMERICAN FLORIST made a special trip from Philadelphia to write up these roses, and it was heralded in the columns of that journal with a brass band introduction in connection with Liberty." As a matter of fact I, the scribe referred to, happened to be in New York the night before this visit, helping the Philadelphia ten-pin delegation win a prize at the tournament of the New York Gardeners' Association. The next day I took a run over to see Mr. Asmus and his greenhouses. While there I made a note of a few things that interested me and wrote them up at my leisure for publication, as I though they would be interesting to those at a distance who were not able to see personally what this up-to-date and very successful rose grower was doing. Now as to the "brass band introduction," out of an article of about twelve hundred words I gave this rose a mention of just twenty-nine, as follows: "His own new rose. Columbia, is the most prolific Mr. Asmus has ever grown, he having cut twenty-five blooms per plant in a period of only two months." Nothing very brassy about that. I am sure that if the variety had impressed me I should have said more about it.

Regarding the supplementary report of the committee of the Florists' Club of Philadelphia, the first finding of the committee placed some of the parties concerned in rather a bad light. The horticultural press of the country took the matter up and in some cases they were badly censured. One of the accused firms thereupon asked for a further hearing from the committee, which was accorded them, and in this way they made it appear that they were not to blame. When the first report was received and accepted, additional type-written copies were furnished the different reporters present. In view of the fact that the supplementary report showed that an apparent injustice had been done this firm by the wide publicity given the first report, I moved that this latter be given to the trade papers also for publication, so that if through any previous action of the club the firm had suffered, it was as little as the club could do to see that it was furnished for publication. After a breezy discussion of at least half an hour, a vote was taken and out of some forty members present I was the only one who voted in the affirmative and I therefore said in my report of the meeting that the club did not care a pleayune and I say so yet, Mr. Watson to the contrary notwithstanding.

I am sorry that Mr. Watson does not like my reporting. I will endeavor not to let it interefere with my daily avocation. My connection with the paper, extending over a period of some fifteen years, has been entirely owing to my love for the business and a certain pride that this city with its numerous horticultural establishments and its skillful growers and florists should be kept to the fore and receive the recognition they deserve. As to Mr. Watson's accusations and other murmurings, I have nothing to say. I stand on my record and he can rest on his if he likes it. ROBERT KIFT.

THE M'CULLOUGH SILVER CUP.

Awarded to Wm. K. Partridge last week at the Indianapolis exhibition of the American Carnation Society.

Trees and Shrubs for the Lawn.

[A paper by Joseph Meehan, read before the Farmers' Institute at Philadelphia, February 19 1902.]

Acting on the suggestion that a great many persons are interested in trees and shrubs and their proper arrangement on a lawn, and that a few notes on the subject would certainly be interesting, it gave me pleasure to promise to prepare a few notes on this topic to be read before you to-day.

A very great deal of the pleasure anticipated by those who purchase a new place and have it planted will never be realized if the proper trees and shrubs are not selected and placed where they should be. This is the reason for the employment of a competent person to plan the planting. A great many of those who own grounds are, doubtless, as well able to plan as those employed, having in mind a tasteful and appropriate arrangement of the trees and shrubs, but to know the character of the subjects, whether tall growing or not, bushy or slim, of tapering or rounded outline, and the season of flowering, with many another point to be thought of, are matters only those entirely familiar with trees and shrubs know. It is this knowledge, combined with good taste, the successful landscape gardener possesses.

As will be understood from the foregoing remarks, what trees and shrubs to plant depends entirely on the situation. A tree of rounded outline is usually quite out of place near a tall building, as it often is when in close proximity to a group of tall trees. Taste comes in here, and those who possess it can quickly tell looking on a place where trees have developed which, if any, are not in their right positions. You will, therefore, see how very difficult it would be to give advice what trees and shrubs to plant and where, unless to suit a particular place. Had I a place large enough and of such a character as to permit of it, there are a number of trees I would not like to be without, of which the following are a portion: Norway maple, sugar maple, horse chestnut, cut-leaved birch, paper birch, catalpa, Japanese double flowering cherry, Judas tree, blood beech, Kentucky coffee, kœlreuteria, larch, sweet gum, tulip tree, Magnolia Fraseri, Magnolia tripetala, paulownia, mountain ash, oaks, linden, salisburia, deciduous cypress, Sophora Japonica and American elm.

In the above list there are those of pyramidal growth and those making a rounded outline, some valued for their white bark as, for instance, the two birches, and others, such as the blood beech, sweet gum and sugar maple, for beautiful foliage at some season of the year, while chiefly for flowering there are the catalpa, horse chestnut, flowering cherry, Judas tree, kœlreuteria, magnolias and others.

And among small trees I would surely want the Japanese blood-leaved maple, flowering peaches, aralias, dogwoods, Magnolia Soulangeana, double flowering crabs, rose acacia and snowdrop tree. No doubt there are many other lovely sorts you will think of not men-

tioned above, as I do, but I am only naming a few of a great many.

Among weeping, or drooping trees, for which there is often a place for one or more, there come to mind Japanese weeping cherry, Teas's mulberry, Kilmarnock willow, weeping willow, elm and dogwood.

Before parting with the subject of trees, I would again refer to the difficulty of making choice of sorts, for the reasons given, but I may say that if limited to a single tree for shade, I would probably name the Norway maple; for white bark, paper birch; for flowers, Magnolia Fraseri, and for autumn foliage, sugar maple. And among what I have named small trees, I would select for its flowering, Magnolia Soulangeana.

Coming now to shrubs, it is in place to say that suburban grounds can be made especially interesting by a liberal use of them. Of smaller growth than trees, a great variety can be used, giving, one after the other, flowers from early spring until frosts come Keeping the seasons in mind, the following varieties are named, though not without many a pang for favorites omitted: Flowering almonds, azaleas, callicarpa, sweet shrub, verbena shrub, clethra, Cornus alba, flowering hawthorns, Desmodium penduliflorum, deutzias, Exochorda grandiflora, golden bell, althæas, hydrangea, corchorus, the mock orange, deciduous holly, Japanese rose, Pyrus arbutifolia, Pyrus Japonica, Japanese Judas, spiræas, snowberries, lilac, Vaccinium corymbosum, Japanese snowball, chaste shrub, weigelias and purple plum.

Among shrubs, the greater number flower in early spring, and but few there are who will question the desirability of this The severity of our winters makes us all long for spring, and prepares us to enjoy the beauties the flowering shrubs present. There is the golden bell, with its buds half expanded before frosts are over, impatient to greet us with its wands of yellow flowers; and closely following it are the Japanese Judas, the flowering almonds and troops of others impatient to glorify one's grounds. And then the dear old lilac, without which no planting is complete, reminding everyone of us of our childhood's days. No one really feels that spring is here till the lilac is in bloom, and we would hasten its coming:

Reach out bronze buds to feel the sun's soft kisses'
Already red the currant flaunts her flowers.
But you, dear Lilac, are the joy one misses
In every breath of spring's long longed for hours.

In the list of shrubs presented several have been named not so much for their beauty of flowers as for ornamental characteristics in autumn chiefly in the way of bright berries or brilliant foliage, though there are some that flower nicely at that time. I have seen Spiræa Anthony Waterer in better display in late autumn than at any other season of the year. The verbena shrub, caryopteris; the clethra and the chaste shrub, vitex, are all late flowering. The berry bearing kinds are represented by the callicarpa, hawthorns, deciduous holly, Pyrus arbutifolia, Japanese rose and snowberries.

Were I limited to selecting a half dozen from the above list, I confess it would be no easy task, but it would probably be these: Golden bell, Japanese snowball, Spiræa Van Houttei, lilac, weigelia and hydrangea.

It is now time to make mention of some desirable large growing evergreens, and the following sorts are hardy and beautiful. Hemlock, Douglas, Norway, oriental and Colorado blue spruces, cedar of Lebanon, Lawson's cypress, concolor and Nordman fir, and the following pines, Austrian, Scotch, Himalayan, red, pitch and white. And among those of lesser size the various arbor-vitæs, including the golden and Rollinson's, Euonymus Japonicus, holly, juniper, yew, retinosporas, yuccas and, of course, laurels and rhododendrons.

CARNATION CRESSBROOK.

Among the evergreens mentioned there are several native kinds which have been very much overlooked. I am thinking particularly of those from Colorado, the Douglas and the Colorado blue spruce, the concolor fir and Pinus ponderosa, all hardy and beautiful. Then among native pines there are none better fitted for our use than the red, the pitch and the white. The red, which is the Pinus resinosa of the Michigan forests, resembles the Austrian in its heavy style of growth, but instead of the harsh needles of the Austrian it possesses soft ones, a most desirable feature for a lawn tree.

Though conscious that I am taking up much of your time, I am tempted to go a little further and touch on a most important subject, the proper management of the trees and shrubs we may plant. In our state, especially in the vicinity of Philadelphia, as a rule it makes but little difference whether we plant in spring or autumn. There are a few subjects we know it is useless to plant in autumn, magnolias, tulip and poplar, for example, and there are other things. But whether spring or autumn, do it early. Proceed with spring planting as soon as the frost is out of the ground and the soil dry enough to work nicely. Start with deciduous ones and finish with evergreens. With the closing of the month of September, start again. The order of planting may be reversed, setting evergreens first and ending with deciduous sorts. There is great gain in this early autumn planting. The soil is warm and usually moist, and the combination of heat and moisture entices out fresh fibers, and when winter comes the trees and shrubs are well established, and none are lost. This is no theory but facts, which have been demonstrated many times.

Referring to the soil being warm and moist in autumn, should it not be moist, after filling in about half the soil about a freshly planted tree and ramming it hard, pour in a quantity of water, filling

in the remainder of the soil when the water has thoroughly soaked away. As a rule, in autumn planting, a watering as above advised is good practice.

On the subject of pruning a good deal could be said, as it seems a something but little understood. When setting a tree or shrub it is necessary to prune should there be a partial loss of roots, which there is usually. The cutting away of some of the top equalizes the loss of roots, enabling the latter to sustain the remainder of the branches. It does not matter what part of the top is cut away, so there is a lessening of the whole. It may be a thinning out of branches only, or a shortening in of same, or a cutting away entirely of some of the lower ones, but in whatever shape the pruning is done, keep steadily in view the forming of a shapely tree or bush. Cut away any bruised roots, leaving a clean, smooth surface, as at these extremities the new fibers come. Summer is by far the best time to prune trees, yet winter is nearly always selected for the work. If we pinch out the top of a growing shoot the side buds burst into growth at once, giving two, three or four shoots in the place of the one, and in this way bushiness is had in a very short time. But when the shoot is dormant, as it is in winter, a cutting away of its top is an invitation to it to make another leader, stronger than ever. Many an overgrown tree, now an eyesore to its owner, would have been a source of pleasure to him had summer pruning been followed instead of that of winter. The same rule applies to shrubs that has been suggested for trees, but it must not be forgotten that nearly all shrubs flower from shoots of the previous season's growth, hence care to preserve a sufficient number of them must be exercised.

I must surely bring these notes to an end, as I spoke of doing awhile ago, but before doing so would like to speak of the pleasure to be derived from a lawn or garden, no matter how small it be. I think those brought up among trees and flowers are better than those without them, and keep up remembrances of their old homes, to their betterment. Those of us whose shadows are now falling towards the east and who had such surroundings can look back with a deal of pleasure to the happiness born of our association with trees and flowers, and can join with the poet who says:

Thus memory draws from delight ere it dies
An essence that breathes of it many a year,
Thus bright to my soul, as 'twas then to my eyes,
Is that bower on the banks of the calm Bendemeer.

WITH THE GROWERS.

CHRIST. HANSEN, ST. PAUL, MINN.

Christ. Hansen always has something interesting to show the visitor. His specialties are roses and carnations. In the former he grows Bride, Bridesmaid, Golden Gate, Liberty, Meteor and Beauty. Brides and Bridesmaids have always done well with him and can always be relied upon to produce good flowers and plenty of them. Golden Gate, which has been so profitable with many growers, is very disappointing here and not worth growing. Liberty has done splendidly and is now showing strong canes and plenty of buds. Meteor is a sure and profitable sort to grow but is hardly as remunerative as Liberty owing to bullheads in dark weather. This season, however, has been very favorable for this variety. American Beauties are not profitable and do not seem to take kindly to his soil and treatment, too many deformed buds and blind wood resulting.

In growing roses he has tried nearly all of the latest methods but finds grafted stock carried over two seasons and planted in benches about as good as any, although solid beds seem to do well and produce good flowers. He uses only grafted stock and will hereafter carry over all plants two years before throwing them out. As to fertilizers, he uses well rotted cow manure and liquid manure. For the distribution of the latter he has a large tank on the top of his highest house, forcing its contents to all the houses by an attachment to the city water pipes and applying it to the benches by the watering hose.

KENTIA IN WATERPROOF CREPE PAPER.

In carnations Mr. Hansen grows nearly all the leading sorts, including Crane, White Cloud, Lawson, Flora Hill, Mrs. Joost, Mrs. Bradt, Daybreak and Armazindy, but the bright particular star in this galaxy of varieties is the Guardian Angel, cerise pink, a shade lighter than Mrs. Lawson. This sort thrives exceedingly well here, produces abundantly and sells readily.

Mr. Hansen had a house planted to violets, Marie Louise and the single, Princess of Wales. The Marie Louise rapidly developed club root and have been abandoned, while Princess of Wales planted in the same bench is looking very fine and producing fine large blooms. All are planted in the same soil and have had the same care and treatment.

Although roses and carnations are his leaders he grows a large number of Boston ferns, Asparagus Sprengeri and Asparagus plumosus. The stock of these is very fine, a bench of Bostons being particularly choice. He also has a fine lot of Araucaria excelsa and Araucaria excelsa glauca purchased last spring and grown on since then. These are in the very pink of condition and the best I have ever seen. His Harrisii and longiflorum lilies are looking fairly well though the lily disease has made severe inroads on the former. One batch of fine longiflorums with two to three stems and eight to twelve buds was noticed. A few thousand geraniums and other bedding plants complete the list of stock grown here.

The houses, thirteen in all, contain about 35,000 square feet of glass. Mr. Hansen is a Dane, having come to this country about fifteen years ago. His present business was establishsd in the fall of 1888 and then consisted of one small house. By industry, perseverance and thrift he has gradually built up his present plant, which is one of the largest in his city. Starting with but a small capital he has amassed a modest fortune and is still on the youthful side of fifty years. FELIX.

The Production of Cut Flowers.

[A paper by K. E. Carlson, read before the Hartford, Conn., Florists' Club, February 11, 1902.]

Once in awhile one may hear complaint about the market being flooded with cut flowers. That may be the case and a fact to some extent in certain localities and in some really dull seasons, but as a whole, after investigating the matter, one will find the facts otherwise.

Anyone visiting a large establishment where thousands, not to say millions, of cut flowers are grown, may ask: "What are they going to do with all those flowers?" In answer to this it may be said that it is only a handful in the market and, when shipped to their various destinations, will disappear so quickly in many niches and corners that one is apt to think there were not so very many of them after all.

In every large city there is, of course, a heavy supply of cut flowers handled by the florists. Take the New York flower market, for instance, where loads of flowers are bought and sold every morning. To any one unfamiliar with the trade it seems an ocean of flowers and one is rather sceptic whether it is possible to dispose of such immense daily receipts. Well, just watch the dealings for awhile, and loads after loads will be seen disappearing to every part of the city.

Now, this does not mean that there exists any overproduction but rather tends to show that there is a great demand. Notwithstanding the enormous quantities of flowers which are raised annually all over the country it does not seem to be difficult for the florists to dispose of their goods, and at comparatively fair prices. The fact is cut flowers have long ago become a necessity and will remain so in the future. We all know that flowers are indispensable on many occasions, such as weddings, dinners, banquets, funerals and so forth, and a display, more or less, has always to be provided for. With this steadily increasing demand it is not likely that there will ever be overproduction. Now it is not merely as a necessity that cut flowers are grown and used so extensively throughout the country.

The public is learning to love flowers, so to say, and simultaneously encouraging the florists to widen and develop their skill and knowledge in order to produce better flowers. As time is advancing a much finer quality is called for and any florist who succeeds in raising first-class flowers will surely be rewarded for his efforts. Nowadays hardly anything but the very best will do and, as a matter of fact, quality instead of quantity is sought after. It is therefore most unlikely that there will ever be overproduction in the market.

Nature herself, while producing an abundance of fine flowers, is in some instances rather scant, especially as to rare and choice ones. Consequently we will learn from her that in order to obtain fine quality, large quantity is not likely to follow. Hence we will understand

that while endeavoring to develop and improve the flowers to their very best, the number of blooms will practically decrease.

According to this there need not be any fear of the market being flooded, and while the population of the country is growing, the consumption of choice cut flowers will surely increase, or at least the production and consumption will always remain about the same.

Aids to the Plant Salesman.

In the past few seasons there has been a very noticeable increase in the use of such florists' supplies as hampers, baskets, boxes, ribbons and so forth; indeed, so general has the use of this material become that the term "requisites" is no misnomer. It has been found that a fancy box enhances the value of a bunch of violets much more than the cost of the receptacle and so, too, has experience shown that a plant, particularly at holiday time, Christmas or Easter, tastefully dressed in a pot cover and ribbons is not only worth more money but is more easily salable than the same plant unadorned with these furnishings. Crepe paper has grown to have a tremendous sale for pot coverings but it is open to the great objection of quickly soiling unless the utmost care is used in watering the plant. To overcome this, waterproof crepe paper is now offered by most of the supply houses. It has all the merits of the older article and may be splashed with utter disregard, for it is impervious to moisture.

One of the most generally useful of the later introductions is Porto Rican matting, which is a peculiar loosely woven fabric which comes in sheets of convenient size, in serviceable plain colors and an endless variety of bright patterns. It did not take well when first offered but now that the retailers are finding out how greatly it improves the selling qualities of most of the plants it is coming to be largely used. The illustrations herewith show the character and use of both these articles. They are from photographs of plants standing on the sample case at E. H. Hunt's Chicago.

PANDANUS WITH POT COVERED WITH PORTO RICAN MATTING.

German Irises for Forcing.

ED. AM. FLORIST:—You will oblige by requesting your well informed correspondent, "J. B. K." to give the names of the best varieties of German iris for forcing. His recent article on forcing irises was a good one. These plants are growing in favor, for their long, stiff stems and showy blooms render them valuable. Many of them bloom for Decoration day. Only the well grown two-year-old roots of the German iris bloom satisfactorily. In forcing the weak shoots should be trimmed out. E. H. A.

The forcing of so-called German irises was tried many years ago by quite a number of florists in different parts of the country, among them myself, and although a few of these may still be at it in a limited way for all I know, most of them have found it to be an unprofitable operation. I do not want to discourage this correspondent by any means, only to caution him, because there are difficulties in shipping or even delivering the flowers in perfect shape, and this is a most serious drawback to their popularity as a winter flower. Of course the stems can be, and often are cut and shipped safely before any of the flowers are fully opened, for they will develop when placed in water, the same as gladioli, and last for a long time, but delivering the easily bruised, delicate flowers seems to be the most serious difficulty, especially in freezing weather, and the prices obtained are seldom satisfactory to the grower, nor can the retailer charge a very big price for them except on special occasions. We do not now force any German irises and have not done anything in that line for some years past.

Before naming the varieties which we found best adapted for the purpose I will say that the most suitable stock for forcing is obtained by dividing old clumps into three-eyed pieces, planting them out and encouraging the plants for two seasons to make vigorous growth before potting or boxing. Then they should be grown one more season in these pots or boxes. All the earlier varieties may be used, though I can recommend especially the following:

For a dark glossy purple none is better than the old I. atropurpurea (not atroviolacea). It is a very large flower, a splendid color and decidedly free flowering. For a light blue Celeste does well and the grand, I. pallida Dalmatica stands unsurpassed in my opinion for size, shape and coloring. For white and very pale lavender lilac, Florentina and Florentina alba are as good as any, perhaps superior and more acceptable on account of their fragrance. Bridesmaid is also a good lavender, with white reticulated falls. Victorine has white standards blotched and tipped with dark purplish blue, the falls being violet purple, veined with white. For a light primrose yellow I should select the free blooming I. flavescens, the falls of which are veined faintly with reddish purple.

The deep golden yellow standards of Samson may not be as large as those of other varieties of yellow, but they are so bright and showy that I prefer this variety to the larger flowers. It is an old, free flowering variety and does not grow very tall. The falls are bright purplish red, veined yellow. Nearly all catalogues describe the falls as "crimson," but I should hesitate to mention that color here. Iris aurea is a pure, deep yellow, both standards and falls being of the same color. It is by far the best yellow we have, but it is late and, being very rare, is too high priced for the purpose. Many different varieties are offered under this name in this country as well as in Europe. I know from experience, for I had serious trouble in obtaining the true I. aurea, as I knew it. We forced it successfully some years ago, though it came in after most of the other varieties or species had almost finished their blooming. I purposely mention only a few names here. If I gave a long list of varieties, which I might do, for we have tried our whole collection, there would be difficulty in selecting.

J. B. K.

Outdoor Chrysanthemums.

Many lovers of the queen of autumn have no greenhouse in which to cultivate this flower, but may obtain very good results by selecting the very early blooming varieties, in addition to those already named by recent correspondents, such as Brutus, bright sunset red; Jos. H. Cook, soft pink; Belle of Castlewood, blush; Elvena, bright pink; Harry Hurrell, clear yellow; Lady Fitzwygram, white; Yellow Fitzwygram, Marion Henderson, pale yellow; Nemesis,

blush pink; Soliel d'Octobre, pale yellow, and Sunrise, deep but clear terra cotta.

Plant them out as soon as all danger of frost is past, in ordinary garden soil without any fertilizer whatever. Pinch back to make them form nice, compact bushes with from ten to fifteen shoots to each. By the end of July these should be lightly staked to support them in case of heavy rains or rough winds and as soon as they set their buds, which will generally be by the middle of August, pinch out the first crown bud and select the next most prominent bud to be the flower. All the other lateral buds, as they show, should be carefully picked off. This will induce the remaining bud to develop to a good size and be ready to open at the earliest date before frost damages them.

In addition to the above list may be classed all the early blooming pompons. These, if treated somewhat as above produce very nice flowers and combine almost every shade of color known in chrysanthemums and in addition have the merit of not being damaged by light frost; in fact, many of them will develop nice flowers after quite hard frost.

For those not so favorably situated as regards climate, a sunken frame twenty-four or thirty inches deep, made of rough boards and built up twelve or fourteen inches above the ground level, so that the whole thing is, say, three feet or a little more in depth may be serviceable. In this plant the early, large blooming varieties as above, allowing room enough for each plant to develop. Disbud as for the open air. Then if rough, stormy weather or severe frosts prevail about the time they are beginning to open their flowers they can be protected by placing shutters or a piece of thin canvas over the frame. With a little extra care and attention fine exhibition blooms can be produced in such a very cheap structure. To get these, of course a less number of flowers on each plant should be left and each flower should be carefully supported by a stake to prevent damage and give it a straight stem with well developed foliage.

There are quite a number of the second early, large flowering varieties that can be bloomed very nicely in a frame similar to the above, but for a start it might be well to confine experiment to the very earliest sorts. JOHN N. MAY.

Boston.

STOCKS INCREASE AND TRADE SHOWS NO GAIN—PRICES ON THE DECLINE.—STOCK GOOD EXCEPT WHITE CARNATIONS.—VIOLETS CHEAPER THAN EVER BEFORE.—A VARIETY OF PERSONAL AND BUSINESS DOINGS.

The market has experienced quite a change since last week, prices falling rapidly on almost every item in the cut flower list and the incoming shipments being very heavy notwithstanding the stormy weather that has prevailed most of the time. All varieties of roses are more plentiful, the drop in value amounting to fully twenty-five per cent on most grades. Carnations are also on the down grade as to rates but are of excellent quality, excepting in the case of the white varieties, which run very poor and the standard white carnation is still a missing quantity in this market. In this connection it is appropriate to mention an old favorite, seldom seen now, Storm King, which Jas. E. Beach, of Bridgeport, Conn., is sending to Welch Brothers in excellent shape. Violets go at "any old price." Never before have they been so plentiful or so cheap and it takes the active efforts of the sidewalk vendors to keep the surplus down. The bulb flower market is also overstocked, even lily of the valley being in the deluge, and any price offered is acceptable to the growers, the quality, however, being very good. Of lilies there are not too many and prices are fairly well maintained. Sweet peas begin to cut quite a figure now and are very good.

Charles J. Dawson, who has been connected with the Essex County, N. J., parks for some time has resigned his position there to devote his time exclusively to the interests of the Eastern Nurseries, at Jamaica Plain, Mass., an enterprise in which he holds the main interest. High class hardy garden shrubs and trees will be a specialty.

The annual flower trade exhibition of the Co-operative Growers' Association will be held at the Park street market on Saturday, March 8. Substantial premiums are offered for carnations, violets and so forth, and deserving novelties will be suitably recognized.

Recent visitors include C. B. Weathered, F. Darrow, representing Aug. Rhotert, New York; A. J. Brown, Grand Rapids, Mich., and A. T. Boddington, New York. Also Messrs. S. J. Reuter and C. Warburton on their way home from the Indianapolis carnation meeting.

Ed. Hatch entertained a bunch of his convivial friends, as usual, at Wenham on Washington's birthday. They found the windmill revolving with old time velocity.

James Delay, of 220 Boylston street, went into bankruptcy February 19 owing $1,840.81, with assets of $125 in fixtures and $569 in accounts.

Chicago.

MARKET OVERSTOCKED BY BRIGHT DAYS AND THE CLOSING OF THE STATE STREET OUTLET.—CARNATIONS THE HEAVIEST GLUT BUT EVERYTHING SUFFERS.—PRODUCERS OF LOW GRADE MATERIAL GETTING THE WORST END OF THE DEAL.—SPECULATION AS TO THE LILY CROP.—MAN CANNOT LIVE WITHOUT STOMACH.—DOINGS OF MANY ORGANIZATIONS.—VARIOUS ITEMS OF GENERAL INTEREST.

The warm sun of the past ten days has brought out the buds at such an accelerated pace that the market is now well supplied with everything and it is only now and then that there is an item which is not in over-supply. Carnations have become a heavy glut. Whites continue to move fairly well, because a large portion of the retail business is funeral work, but of reds and pinks there are quantities of the lower grades going to waste. Of roses there are adequate supplies in every line except the better grades of American Beauty and of these the cut is increasing every day. There are so many violets in hand that only the growers of highest reputation stand any show, and of bulbous material there is more than the local storekeepers can be induced to take away. The high grade carnations and the best roses, and most of them average good, are fairly well consumed by the shipping demand, but the shipping trade does not need violets or bulbous stock in quantity. Even callas and Harrisii are standing around. Whatever may be the opinion as to the ultimate results of disqualifying the street salesmen, it is certain that at the present moment the market is suffering by their absence. With the fine weather of the past week the Greeks would have been able to move everything which has been coming into the market at as high prices as they are ever able to realize. This would produce an even greater effect on the market than could be measured by the mere sum in dollars and cents which they pay for their stock, for it would give a tone to the market which it always lacks when there are such quantities of material obstructing the wholesale channels. With the low grade fakirs' material out of the way, everything else would have an added value. There are those who argue that in the end the absence of the street fakir will have an elevating tendency in our trade, that it will result in the producer of first-class stock getting the big end of the business and will improve the average quality of the material sent to this market. However this may be it is pretty tough on the man who is not at present producing strictly fancy stock and the consensus of opinion among the wholesalers is that this was a pretty good old world before the city council took a hand in the game of running the flower business. Incidentally, it may be mentioned that in the past week business has not been as good with the down-town retailers as it was in the first half of February, when the street salesmen were still working. There are those who say that the presence of the street men has an invigorating influence on down-town retail trade. Who knows but that this may be the case?

Early last spring Paul Kruger received a great deal of newspaper publicity through a successful surgical operation whereby his stomach, which was badly affected by cancer, was entirely removed. After the operation he rapidly gained strength and was even able to do some work in the Graceland Cemetery greenhouses, where he had been employed for some years. The intestines apparently did all of the digestive work usually performed by the stomach. Of late, however, he has failed rapidly and died on February 18.

There is already considerable speculation as to the prospect for lilies for Easter. There is an abundance of Harrisii now on the market, but the growers are nearly all complaining of more disease than at any time in the past two or three years. Some of the principal producers say they have thrown out large proportions of their bulbs and in other cases some of them say that their stock is remaining very short and will be of little value for cut flowers, if it is ready in time for Easter.

This is the era of organization. The Greeks began it some months ago; the retailers got together two weeks since and at a second meeting at the Palmer House February 27 perfected a permanent association with J. C. Schubert and "Joe" Craig at the head. On the same afternoon the wholesalers held a preliminary meeting, every house but one being represented, and decided to have a little society of their own. They will meet again next week to perfect the plans.

There is again considerable complaint that carnations are not keeping. Even those growers who have the best reputation for their stock are receiving complaints that goods shipped out in perfect order are sleepy upon arrival at their destination. Another complaint is that with a great many of the varieties, notably Mrs. Bradt, the calyxes are splitting badly.

The Florists' Club held a slimly attended meeting on Wednesday evening, the plant exhibits being four exceedingly well grown cinerarias brought by Chas J.

Stromback. They were awarded a prize, which was donated again to the club. Jas. Hartshorne showed a fine vase of Mrs. Potter Palmer carnations. The second Wednesday in March will be the rose meeting.

At a meeting of the executive committee of the Horticultural Society of Chicago, February 27, the movement to join issues with the Chrysanthemum Society of America in the matter of exhibition next fall was endorsed and satisfactory progress reported in arrangements pending with a view to securing new hall of the Art Institute for same.

John Degnan, for many years with Vaughan's Seed Store, has taken an interest in the firm of McKellar & Winterson, which will hereafter be known as McKellar & Winterson Company. It is the plan to branch out into the retail seed business, carrying a general line of bulbs, shrubs and so forth.

Albert F. Amling, at Maywood, is building a range of Dietsch patent short-span greenhouses 105x125, in which he will grow Asparagus plumosus and Asparagus Sprengeri. Greens will be his principal crop next year, for he is already a large producer of smilax.

The town has been full of visitors this week, most of the eastern growers who were at the Indianapolis carnation meeting coming on to Chicago to see the famous producing establishments in this vicinity.

Anthony G. Then, son of Anton Then, who on February 1, started work on John N. May's place, Summit, N. J., reports that he is getting along very well and likes his surroundings exceedingly.

Frank Garland has a big cut of bulbous stock on and in general the quality is unusually high, but he says it is not moving as fast at present as he might wish.

The visible supply cut ferns seems to be shortening up and wholesalers have advanced the rate to $2 per thousand.

Kennicott Bros. Company says that the stock now in this market averages better grade than it ever did before.

E. C. Amling is figuring that Easter will beat all records for supplies are likely to be large.

J. B. Deamud will handle a fine line of pæonias in pots for Easter and is now showing samples.

Visitors: Mrs. Chas. Eickholt, Galveston, Tex.; Paul Berkowitz, Philadelphia.

Philadelphia.

HEAVY STORM DOES GREAT DAMAGE TO TREES AND CUTS OFF TELEGRAPHIC AND TELEPHONIC COMMUNICATION.—TRADE SOMEWHAT DEMORALIZED—PRICES AND OTHER NOTES.

This portion of the country has been visited the past week by one of the most devastating storms on record. In a few hours the finest trees, those that had grown and ornamented the lawns, parks and driveways of this city and adjoining country until they became fixtures of the landscapes, were very badly damaged if not entirely ruined. While there existed one or two degrees of frost, a falling snow turned to rain and soon loaded the trees with a coating of ice which became so heavy that in many cases not only the branches but the main trunk was snapped off, as the trees were also subjected to the additional strain of a strong wind. Many valuable orchards are a total loss and it will take years of careful training and replanting to replace them. The appearance of any collection of trees the day after the storm was as if a cyclone had just swept by and stripped the trunks bare. Telegraph, telephone, trolley wires and trees were mixed in helpless confusion and the city was completely cut off from outside communication except by railroad for three days and telephone connections in the city are not straightened out even now. This state of affairs had its effect on business, which has been none too good since Lent set in, and there has been very little doing this week. Prices are a trifle weaker but not to the extent that might be expected, considering the situation. Beauties range down from $7.50 per dozen; select teas still bring $10 to $12 per hundred and carnations $3 to $4. These, of course, are top prices for small quantities. Zimmer is now sending in some very fine Princess of Wales violets; 50 cents per hundred is the price. Doubles are also plentiful and some fine flowers are offered as low as 50 cents per hundred. Bulbous stock sells slowly at from $2 to $4 per hundred. There is a good assortment of blooming stock, which makes very attractive window decorations. Pennock Brothers made a fine display the past week with well flowered genistas in brass vases, the window being filled with these and orange-yellow tulips.

Chas. H. Fox, who has conducted a successful business at Twenty-first street and Columbia avenue for a number of years, will sell out to go more extensively into the hotel business at Atlantic City, which has also engaged his attention the last two or three years.

Meehan & Gracey have purchased the establishment of Mrs. John Plender, on Twenty-ninth street near Girard avenue, and will continue the business under the above firm name. K.

Baltimore.

ANNUAL LOCAL CARNATION SHOW A GREAT SUCCESS.—MUCH GOOD STOCK SHOWN.—THE JUDGES AND PREMIUM WINNERS.—NOTES OF INTEREST HERE AND THERE.

The Gardeners' Club made a great success of the carnation show Monday, February 24. The display was excellent and the attendance of both club members and general public very large. One of the novelties shown was a dark red seedling by John Cook, which he named Prince Henry, in honor of the distinguished Prussian who visited the city that day. In addition to the thousands of carnations shown there were good exhibits of roses and some pot plants, including cinerarias, cyclamens, begonias and orchids. Some of the patronesses were invited to judge the display but declined the responsibility and the task fell to Wm. Fraser, Richard Vincent and Wm. McRoberts. In the classes for cut carnation blooms they awarded four firsts, a second and a third to I. H. Moss; three firsts and two seconds to Halliday Bros; three firsts and a second to Erdman Bros; two firsts to C. R. Diffenderffer; two firsts to H. Weber & Sons; one first, one second and two thirds to Lehr Bros; one first to John Cook and seconds to John Rider, J. A. Gary and M. Duckstein. Moss was first for roses, Wm. Madsen second. Ruxton Floral Company was first for Liberty and Cook for Baltimore. The premiums for cinerarias and cyclamens went to C. R. Diffenderffer, and Mrs. Robt. Garrett. The latter showed fine orchids. Certificates were given to John Cook for unnamed seedling carnations, to Woodfall Bros., for Carnation Sylvia, to J. A. Gary for vase of roses, to Ruxton Floral Company for Golden Gate roses, to John Cook for seedling from American Beauty, to I. H. Moss for Begonia maculata, to John Cook for specimen Primula obconica, and to F. G. Bauer for mignonette. Special mention was given to R. Vincent, Jr., & Sons for twenty-five varieties of coleus, to Cook Brothers for geraniums and hyacinths, to C. R. Diffenderffer for ferns and to I. H. Moss for bay trees. E. A. Seidewitz was given first prize for Primula obconica and for a design of tulips, jonquils and daisies. A special premium was awarded to F. G. Berger for a funeral piece of freesias and Bridesmaid roses.

R. Vincent, Jr., & Sons, of White Marsh, will go into the bedding plant business more heavily than ever. They will have the contract to supply the plants for the flowerbeds of the Pennsylvania railroad system south of Philadelphia. This firm already has the most extensive plant in this vicinity.

The cinerarias and Harrisii and longiflorum lilies have never been as fine as they are this year at Patterson Park, and if everything is favorable a free public spring show will be given at the Casino.

The sleet and rainstorm of Friday, February 21, has done considerable damage to shade and ornamental trees in both city parks and in the suburbs.

The Golden Gate and Liberty roses exhibited by Messrs. Cook, Moss and Fraser have been exceptionally good.

Boiler and Piping.

ED. AM. FLORIST:—I am planning to build five 200 foot greenhouses, four of them twenty feet wide and one ten feet. The houses are connected, equal span, running north and south, with outside walls five and one-half feet high made with two and one-half feet of brick and the balance glass. The sash bars are twelve feet on the wide houses. How many 1¼-inch low pressure steam pipes will be required in each house to maintain 60° when the temperature outside is down to 15° below zero? Would it be advisable to put the boiler at one end of the range and run a 2½-inch flow to the other end, using the 1¼-inch pipes as returns? Or would it be better to put the boiler in the center and run the flows only half as far? The lay of the land makes the former course seem more economical. ELMER.

The boiler can be at either the end or the center of the range, as will be most convenient. If it is located as the end of the houses, and there is plenty of room to secure a good fall for the return, it would be well to connect the flow pipe with the coils at the end nearest the boiler, using a 2-inch pipe in each house to bring back the condensed water. If this is done twelve 1¼ inch pipes will be needed in the coils in each of the wide houses and six in the narrow house. The houses having an exposed wall should have an extra pipe. If the 2½ inch flow is carried through each of the houses it will take the place of one pipe in the coils. L. R. TAFT.

IN the February number of *Sunset*, published at San Francisco, Cal., there is an appreciative, illustrated account of Luther Burbank and his work.

MONTREAL, QUE.—In March 1901 a city water pipe burst in the street in front of Mrs. L. H. Goulet's flower store, undermining the foundations. The courts have just given her judgment against the city for $777.28 and costs.

THE AMERICAN FLORIST

SEVENTEENTH YEAR.

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No Special Position Guaranteed.

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cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

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-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., Chicago.

It is evident that the new vases of the American Carnation Society were not selected with a view to displaying the flowers to the best advantage from an artistic standpoint.

THE hail campaign for 1902 opened at Sherman, Texas, February 19. Mrs. H. O. Hannah of that town met with a small loss but was insured in the Florists' Hail Association.

THE mailing label on your paper shows when your subscription expires; when you send your renewal note that the date changes within two weeks; it will serve as your receipt.

A MEETING of the executive committee of the Society of American Florists will be held at Asheville, N. C., next week. This will afford J. D. Carmody an advance opportunity to commune with the stars and tickle the angels' feet, and no doubt, for a time at least, he will forget his "kontrapshuns" and the internal regions.

The Chrysanthemum Society of America.

The tentative arrangements made at Indianapolis between the Chrysanthemum Society of America and the Horticultural Society of Chicago were formally ratified by the latter society on February 27, and it thereby practically becomes an accomplished fact that the first annual exhibition of the former society will be held in Chicago early in November in connection with the fall exhibition of the Horticultural Society. We understand that the local society practically guarantees all expenses, including the general list of preminms. John F. Cowell, of Buffalo, and Emil Buettner, of Park Ridge, Chicago, have been asked to act as judges of the joint exhibition.

Society of American Florists.

In the list of state vice-presidents recently furnished to the press, the name of Theodore Wirth, of Hartford, Conn., was inadvertently omitted. Mr. Wirth is superintendent of the park system of the city of Hartford and the S. F. A. interests of Connecticut are safe in his care.

DEPARTMENT OF PLANT REGISTRATION.

Henry Eichholz, Waynesboro, Pa., registers the following geraniums: J. D. Eisele, single zonal, color wine red; Jas. Davidson, single zonal, color true lilac, the first approach to a blue geranium; Jupiter, Mars type, scarlet; Venus, Mars type, pale salmon.

WM. J. STEWART, Sec'y.

Better Every Day.

ED. AM. FLORIST:—I am sending you another dollar herewith. Have been a subscriber since the first issue of your paper and like it better every number I receive. JOS. MCGREGOR.

Darby, Pa.

American Carnation Society.

DEPARTMENT OF REGISTRATION.

The Chicago Carnation Company, Joliet, Ills., registers Her Majesty, originating with them and grown four seasons as No. 56; flowers purest ivory white, very large and uniform, at no time even in midwinter measuring less than three inches in diameter; beautiful form, calyx never bursts, stems strong, from twenty-four to twenty-eight inches long; as a producer it has no equal, destined to become the white for summer cutting as it produces freely and evenly from July 1 to same date the following year.

ALBERT M. HERR, Sec'y.

No Fakirs in Chicago.

The wholesale men and the growers of Chicago are just having their first experience of the effects of the "no fakir" order recently issued by the city council. A canvass of the wholesale district reveals a condition which may be likened to that of Vesuvius just before eruption. Words more forcible than polite are to be heard everywhere among the wholesalers and, to-day, there is quite a contingent of growers in town who are saying what they think of the situation in a tone of voice which does not permit of any misunderstanding of the subject on the part of all within a block of the Rialto.

The situation after a week of the "no fakir" conditions, as reported by the wholesalers is that about one-third to one-half of the common stock remains unsold, while there is no appreciable gain in the purchases by the retailers. The present conditions, so they say, are such that the growers cannot do business and the commission men are, of course, in much the same fix. If the present state of affairs continues there is every likelihood of the establishment of cheap retail annexes to various wholesale houses by and with, not only the consent, but the hearty approval of the growers, and then there will be trouble.

Size of Boiler.

ED. AM. FLORIST:—What size of hot water boiler will be required in Ontario to heat a range of four cut flower houses 15x120, without partition walls. The boiler I have in mind is a common horizontal tubular affair. What size of tubes should I use, 2-inch or 3-inch, and how many. The boiler will be under the store and besides the greenhouses will have to operate five or six small radiators.

B. B.

Ontario is a large province and has quite a range in its minimum temperatures, so that what would answer in one place might not be sufficient in another. Where the temperature does not drop lower than 20° below zero a thirty horse-power boiler, with sixteen square feet of grate surface, would be large enough to maintain an average temperature of 60° in the different houses, and if the grate surface is increased to eighteen square feet it would suffice for a temperature of 30° below zero. It is presumed that by "tubes" the heating pipes are referred to. If wrought-iron pipe is used, it would be well to put in 2½-inch pipe for the flows and 2-inch for the returns, but with boiler tubes as pipes they could be 3 inch. For a temperature of 60° three 2½-inch flows and six 2-inch returns would answer for carnations, and four flows and eight returns should be used for roses. For sections where the temperature drops to 30° below zero, it would be well to add one return pipe in the outside houses. If 3-inch boiler tubes are used nine or ten will answer for roses and eight for carnations in each house.

L. R. TAFT.

A Valuable Fire Extinguisher.

ED. AM. FLORIST:—There is a preparation which is put up in a dry powder in pasteboard tubes, for extinguishing fires. It is very effective, but its price is prohibitive and from the private circulars to agents a large part of the cost is profit. Now can't you give us a formula for this purpose? It would be inestimable in its value, if at hand in the greenhouses constantly. C.

In regard to the common fire extinguishers which are employed, I will say that they are based upon the action of sulphuric acid upon carbonate or bicarbonate of soda. Apparatus of this kind requires that the sulphuric acid be kept in a separate vessel, which by immersion or breaking in some way allows the acid to come in contact with the soda which is in aqueous solution.

Dry powders used for fire extinguishers are usually composed of chloride of ammonia, or sal ammoniac. Since action depends upon the volatilization of the salt by heat, producing an atmosphere which excludes the oxygen and thus prevents combustion, such extinguishers are of no use in an incipient conflagration and are of very little value in checking one when already under way.

In addition to the above dry mixture, bicarbonate of soda has also been recommended and, curiously enough, a mixture which is composed of thirty-six parts of sulphur, fifty-nine parts of saltpeter, four of powdered coal and one of oxide of iron. It is hard to say how such an inflammable substance as this could be of much use in extinguishing a fire, except by the production of large quantities of sulphuric acid, which would exclude the oxygen from other combustible matter. There is no form of solid fire extinguisher which can be recommended with any degree of certainty.

H. W. WILEY.

OBITUARY.

MAURICE EVANS.

The sudden death of Maurice Evans, Sunday, February 23, was a great shock to his family and many friends in Columbus, O., and no doubt will be to many who will receive their first information through this note. The fact that he was overtaken by death while in the act of going up stairs to visit his sick and aged wife seems to make it the harder for those remaining. Mr. Evans was born in Carno, North Wales, March 2, 1821. At the age of 23 he came to this country, after serving full time as an apprentice in the manufacturing of wagons. His great love for flowers caused him to pay attention to their culture rather than follow his trade. He soon drifted into commercial floriculture. Mr. Evans gained quite a reputation as a grower, not only of flowers but of fine fruit as well. He

raised one of the finest strains of verbenas in the country, was able to show as fine home-grown lily of the valley as could be seen among the best imported, his roses were second to none in his city and his success as a grower of palms and fancy ferns is known to many. The greenhouses as well as the grounds about his residence, where he lived for fifty years, were perfection in neatness. On his grounds could be found a variety of the finest fruit trees grown in this section of the country and in the summer time stately palms with their leaves spreading over beds of crotons and fancy vases helped decorate his beautiful front lawn. As a judge he was one of the most reliable in our profession. Mr. Evans was a christian, an upright citizen, true to his friends, and a noble husband and father. He leaves a wife, two daughters and two sons and several grandchildren who have the heartfelt sympathy of all who knew him. CARL.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (six words) each insertion. Cash must accompany order. Plant adva. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1902 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—By an experienced florist as foreman or to take charge of commercial place. References as to ability and character. Apply S A, care American Florist.

SITUATION WANTED—As manager or foreman by an up-to-date grower of roses, carnations, decorative and bedding plants; 22 year's experience; sober and reliable; married. Address M S, care American Florist.

SITUATION WANTED—By landscape gardener and florist, up-to-date in all horticultural departments. Good manager, German, age 36, married; first-class references. Address G H. care American Florist.

SITUATION WANTED—As foreman in commercial place to take full charge; 20 years' practical experience in growing roses, cut flowers and plants. First-class references. Address GROWER, care American Florist.

SITUATION WANTED—As working foreman by practical florist as grower of roses, carnations, violets, 'mums and general stock, 35 years' experience; age 49; single; English. G H M care Jas P. Boyle, Florist, Lyons, N. Y.

SITUATION WANTED—By a German gardener, 38 years old, thoroughly experienced in greenhouse work. Two years in this country. Or would accept position in a private place. Address PAUL TRZEWIK, St. Cloud, Minn.

SITUATION WANTED—As foreman or manager of commercial place. Expert florist, with thorough knowledge of the business. Roses, carnations, 'mums and violets a specialty. W E B, care Mrs. Williams, 427 E. 63rd St., N. Y.

SITUATION WANTED—By a sober, industrious young man, age 26, where there is a chance to learn decorating and design work. Have had several years experience in pot culture, rose and carnation growing. W S V D, Pullman, Wash.

SITUATION WANTED—By married man, 31 years of age, sober, experienced and hustler, with good references, all-around cut flower grower, 5 years as foreman, in first-class place with good wages. Address C O F, care American Florist.

SITUATION WANTED—As foreman by thoroughly practical florist. Good decorator, designer, etc. Grower of No. 1 roses, carnations and 'mums. First-class commercial or private position. Good wages expected. Address G. FOREMAN, care P. O., Canton, O.

SITUATION WANTED—Landscape gardener and florist, 26 years' experience in lawn, greenhouses, vegetables and fruit; have had charge of private places in Germany, Holland, England, Japan and 14 years in this country. I want to take charge of private place where a good man is wanted and good wages are paid. Open for engagement March 15. Married, age 39, no children, German. State wages when answering. Address Box 131, Pompton Lake, N. J.

SITUATION WANTED—By expert rose grower up-to-date; competent to take entire charge of an establishment where fancy roses are in demand. To suitable parties the greatest satisfaction assured; references exchanged. Please address with terms and particulars. BEAUTY GROWER, 92 Wells street, Chicago.

WANTED—Competent rose grower. Send full particulars to J. M. GASSER CO., Euclid Ave., Cleveland, O.

WANTED—Florist, general greenhouse work; state wages. F. BEU, 2780 No. 40th Ave., Chicago.

WANTED—Second-hand glass, suitable for sash, 10 inches between bars. W. P. RANSON, Junction City, Kan.

WANTED—A young man with some experience in greenhouse work. State wages with board. M. I. O'BRIEN, Sharon, Pa.

WANTED—A good and steady man on carnations and bedding plants. Wionemac Av. and Leavitt st., near Rose Hill, Ill.

WANTED—First-class decorator and designer; must be of gentlemanly appearance and good address. C. A. SAMUELSON, 2120 Michigan Ave., Chicago.

WANTED—Young man for florist business; German, preferred; store work; references required. WOODFORD FLORAL EXCHANGE, 2028 Columbia av., Philadelphia.

WANTED—Young man to assist in general greenhouse work. State experience and wages wanted with board and room. Address JOHN B. GOETZ, Saginaw, W. S., Mich.

WANTED—By April first, a good all-around florist to take charge of 12,000 feet of glass. Must be sober and a good worker. References required. Address VAN AKEN BROS., Coldwater, Mich.

WANTED—Good opening for a smart, energetic young man, with small capital and some experience in the florist and market garden line. Write for particulars to D. S. HERSEY, 1745 N. Market St., Wichita, Kan.

WANTED—Young man with some experience for general greenhouse work, commercial place. State age, experience, where last employed and wages per month with board. Address, GEO. S. BELDING, Middletown, N. Y.

WANTED—A first-class self-competent grower of roses, carnations, 'mums and general spring stock. Single man with experience in Colorado preferred. Reference required. Wages $50 and room. G. FLEISCHER, Pueblo, Colo.

WANTED—At once, a first-class grower of roses, carnations, and other stock for cut flowers. Must be temperate and industrious and furnish references. None but A 1 man need apply. State wages. Address 807 Ave. D, Rochester, N. Y.

WANTED—By March 15th an all-around florist, who can take charge when necessary. Must be sober and a good worker, and understand his business in all its branches. Also second man who has experience. State wages without board. Apply to CARL BEERS, Bangor, Me.

FOR SALE—Dwelling and greenhouses (no stock), centrally located in city of 4,500. Long established, paying business. No competition; 3,200 feet of glass. Cause, death of owner. MRS. MARY BEZNER, Ex., Jerseyville, Ill.

FOR SALE—Fine florist and garden business; good running order; 8,000 feet of glass well stocked; 10 acres best soil. Live town of 13,000. Fuel cheap, surrounded by mining towns. Good reason for selling. Full particulars by mail. PITTSBURG FLORAL CO., Pittsburg, Kan.

FOR SALE—At a bargain. 9 greenhouses, well stocked with roses, carnations, lilies, palms, ferns and general stock for spring sales. Office, work shed, steam heat; have block of land, 8-room house, barn; 13 blocks from business center; street cars pass the door. Address MRS. GEO. WALDBAUER, 1317 N. Michigan Ave., Saginaw City, Mich.

FOR SALE OLD ESTABLISHED
FLORIST BUSINESS
4½ acres of ground, 9 greenhouses, several cold frames, 6-room house, barn, etc. 30 minutes from N. Y. city. Large cemetery opposite. Trolley cars pass place. 36 years in present location. Entire property and business, including large stock for spring trade. Call and inspect.
Mrs. C. M. Hutchinson, Elizabeth, N. J.

FOR SALE—Four small greenhouses with dwelling, in city of 30,000. For particulars, address T W R, care American Florist, Chicago.

FOR SALE—Mapleton greenhouses, two large greenhouses, each 100x18, containing 5,000 feet of glass, in good repair, with all modern improvements, and ample ground, situated ½ mile from a thriving town, convenient to two railroads, and stocked with roses, carnations, etc. Dwelling house included. Possession given Oct. 1. Address MRS. S. J. NITTERHOUSE Waynesboro, Franklin Co., Pa.

NOTICE. I have 1,500 square feet of glass; this city needs 50,000 square feet of glass; the trade has outgrown my capacity for handling it, and I am going to retire. Any party or parties who are desirous of enlarging the business and take it up where I leave off, I will give them all information needed. None but parties meaning business need answer.
W. J. MILLER, 403 E. Water St., Pontiac, Ill.

FOR SALE.
Prosperous up-to-date Retail Florist Business, complete, established 12 years; can show handsome profits. Engaged in another enterprise reason for selling. For full particulars address **CHARLES H. FOX, 21st and Columbia Ave., Philadelphia, Pa.**

$300 Per Month.
Do you want it? If so, buy me out NOW, at your own price. Good reasons. 15,000 feet. It costs you a postal card to have particulars.
C. S. FITZSIMMONS, Lansing, Mich.

MONEY IN MUSHROOMS
Owing to building of larger plant will sell present plant capacity 50 lbs. daily, for $1000. Should clear $3,000 yearly. Room for additional beds. Rare opportunity. Demand exceeds supply. If inexperienced will teach business.
H. B. HAYDEN, Western Springs, Ill.

FOR SALE A Great BARGAIN
20 miles from Grand Central depot, N. Y. city, on line of New York & New Haven R. R., Florist Establishment consisting of 4 acres of rich land, dwelling house, 10 greenhouses, steam heated, boiler house, 3 steam boilers, pumps, all complete. Must be sold at once; easy terms. For further particulars address **Siebrecht & Son, 409 5th Ave., N. Y.**

HIGH GRADE BUSINESS OPENING
If you are a thoroughly competent and practical nurseryman or florist, or are capable of handling the commercial part of the business, and are able to take corporate interest in established company three to five thousand dollars, with proportionate voice in management, you can secure such an interest in as good a proposition as is on the Pacific coast. Give definite information, experience, etc., or no attention. Address, "BUSINESS," care American Florist.

If you want to get the want you want to get, you want to get your want ad into the
AMERICAN FLORIST
Try it now.
Every advertisement represents a genuine want. It pays to answer them.

Columbus, O.

APPRECIATIVE PARTY GOES TO CARNATION MEETING AND VISITS NEAR-BY POINTS OF INTEREST.

George L. Miller, Ed. Underwood, J. R. Hellenthal, Joe Hellenthal, James McKellar, Sherman Stephens, and Albert Knopf composed the party from Columbus, arriving at Indianapolis last week Tuesday in a happy mood to do the carnation convention and take in all the sights, including those of New Castle and Richmond. The courtesy shown visiting members at these places was highly appreciated. While every one was well entertained, there was no time lost with sports and side issues, generally of no particular value to the average craftsman. The trip to New Castle was made by our party on Thursday and to Richmond Friday morning. After leaving Richmond some of our party started for Dayton, where they were well taken care of by J. B. Heiss. Sherman Stephens and J. R Hellenthal, however, made a bee line for Columbus, claiming they were anxious to get home and tell how it was to all the members of the craft who stayed at home. While our party were stopping at the Denison in Indianapolis, we were favored with a Welsh solo by John Evans, of Richmond. The extra effort of rendering the beautiful music from Mozart unfortunately strained his voice so that he could not speak above a whisper the next day. CARL.

New Haven, Conn.

The meeting of the New Haven County Horticultural Society on the evening of February 18 was attended by about fifty members and was characterized by much harmony and enthusiasm. As now planned, the exhibition of next fall, under the auspices of the society, will be the finest attempt of the kind ever made in this city. At the next meeting of the society, on March 4, further details of event will be worked out. A paper on the "Difficulty of Horticulture" was read by Wm. Ferrier, gardener for Eli Whitney.

BAKERSTOWN, PA.—The Pittsburg Rose and Carnation Company, Fred. Burki, president, has 35,000 feet of glass and 210 acres of land finely situated for the building up of a splendid producing business.

SEVENTH ANNUAL

Carnation Exhibition

OF THE

BOSTON CO-OPERATIVE FLOWER GROWERS' ASSOCIATION

Will be held at the

FLOWER MARKET, PARK ST., BOSTON

ON

MARCH 8, 1902,

For information and circulars apply to

GEORGE CARTWRIGHT, Sec'y.

WM. NICHOLSON, PETER FISBER, GEO. CARTWRIGHT, } Committee of Arrangements.

Please mention the American Florist when writing.

CATTLEYAS $6.00 per Dozen.

Roses, Beauty, extra long stems	$4.00
" " 24 to 30-in. long stems	3.00
" " 20 " "	2.50
" " 15 " "	2.00
" " Short "	1.00
" Bride, Bridesmaids	6.00@ 8.00
" Meteor	6.00@ 8.00
" Golden Gate	5 00@ 8.00
Carnations	1.00@ 2.00
" fancy	2.00@ 3.00
Violets, double	1.00
" single	.50@ 75
Lily of the valley	2.00@ 4 00
Adiantum	.75@ 1 25
Common Ferns.....per 1000, $2.00	.25
Smilax.....per dozen, $1.50	
Asparagus .per dozen, 7.50@10.00	
Narcissus	2.00@ 3 00
Roman Hyacinths	2.00@ 3 00
Lil. Harrisii	15.00@20 00
Callas	12.50@15.00
Tulips, all kinds	3 00@ 4.00
Tulips, Murillo, fancy	5.00@ 6.00

Galax Leaves.

Green or Bronze, 15c per 100; $1.00 per 1000.

Leucothoe Sprays.

75c per 100.

Wild Smilax.

QUALITY COUNTS—No. 1, 15 lbs., $2.50; No. 2, 20 lbs., $3.25; No. 3, 25 lbs., $3.50; No. 4, 35 lbs., $4; No. 5, 40 lbs., $5; No. 6, 50 lbs., $6.

We are the Northern Representatives of CALDWELL THE WOODSMAN CO.

J. B. DEAMUD, WHOLESALE CUT FLOWERS 51 Wabash Ave., CHICAGO.

Wholesale Flower Markets

MILWAUKEE, Feb. 27.

Roses, Beauty, long, per doz.	3.00@ 5.00
" " med. "	1.50@ 2.00
" " short "	.50@ 1.00
" Liberty	6.00@10.00
" Bride, Bridesmaid	6.00@ 8.00
" Meteor	6.00@ 8.00
" Golden Gate	6 00@ 8.00
" Perle	5.00@ 8.00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00@ 2.50
Violets	.50@ .75
Lily of the valley	4.00
Daffodils	3.00@ 4 00
Freesias	3.00
Tulips	2.00@ 3.00
Adiantum	.75@ 1.00
Smilax	18.00@20 00
Asparagus	65.00
Common ferns	.25

PITTSBURG, Feb. 27.

Roses, Beauty, specials	40.00@50.00
" " extras	20.00@30.00
" " No. 1	10.00@15.00
" " No. 2	3.00@ 6.00
" Bride, Bridesmaid	3 00@12.00
" Meteor	2.00@ 4.00
Carnations, ordinary	1.00@ 2.00
" fancy	3.00@ 5.00
Lily of the valley	2.00@ 4.00
Violets	.30@ 1.50
Harrisii lilies	10.00@15.00
Romans, Paper Whites	1.00@ 3.00
Tulips	2.00@ 4.00
Smilax	8.00@12.50
Adiantum	1.00@ 1.50
Asparagus	50.00@75.00

CINCINNATI, Feb. 27.

Roses, Beauty	20.00@40.00
" Bride	4.00@ 6.00
" Bridesmaid	4.00@ 6.00
" Meteor	4.00@ 8.00
" Perle	3 00@ 4.00
Carnations	1.50@ 3.00
Violets	.50@ 1.00
Harrisii lilies	15.00
Lily of the valley	3.00@ 4.00
Daffodils	3.00
Tulips	3.00@ 5.00
Romans, Paper Whites	2.00@ 4.00
Asparagus	50.00
Smilax	15.00
Adiantum cuneatum	1.00
Common ferns	.20

ST. LOUIS, Feb. 27.

Roses, Beauty, short stem	1.00@12.50
" " long stems	15.00@40.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	3.00@ 6.00
" Golden Gate	4.00@ 6.00
Carnations, ordinary	1.50
" choice	2.00@ 3.00
Violets	.40@ .75
Sweet peas	.40@ .50
Callas	8.00@10.00
Lily of the valley	2.00@ 4.00
Romans	1 50@ 2.50
Narcissi	2.50@ 3.00
Tulips	2.00@ 3.00
Smilax	10.00@15.00
Asparagus Sprengeri	1.00@ 1.50
" Plumosus	1.00@ 1.50

Frank M. Ellis, WHOLESALE FLORIST, 1316 Pine Street, ST. LOUIS, MO.

CONSIGNMENTS SOLICITED.

H. G. BERNING Wholesale Florist 1322 Pine St., ST. LOUIS, MO.

C. A. KUEHN, Wholesale Florist, 1122 PINE STREET, ST. LOUIS, MO.

A complete line of Wire Designs.

Pittsburg Cut Flower Co. Ltd WHOLESALE FLORISTS, Pittsburg, Pa.

The Cincinnati Cut Flower Co., 416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.

Consignments Solicited. Special Attention Given to Shipping Orders.

MICHIGAN Cut Flower Exchange, WM. DILGER, Manager, WHOLESALE COMMISSION.

Full line of Florists' Supplies and Decorations. Special attention to shipping orders.

26 Miami Avenue, DETROIT, MICH.

RICE BROTHERS Wholesale Florists and Supplies.

Receivers and Shippers of Fresh Cut Flowers. Consignments Solicited.

128 N. Sixth St., Minneapolis, Minn.

Supplies Increasing

TRADE is fairly brisk but supplies are increasing under the influence of bright, warm days, and we can fill all orders; if there's anything you want, let us know. Good qualities. Right prices.

E. C. Amling

The Largest, Best Equipped and Most Centrally Located Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St. CHICAGO.

L. D. PHONES 1999 AND 1977.

PRICE LIST.

BEAUTIES.		
Stems, 30 to 36 in., per doz.,		$4.00
" 24 " "		3.00
" 20 " "		2.00
" 15 " "		1.50
" 12 " "		1.00
" 6 to 8 in. per 100,	$4.00	6.00
Brides..... "	4.00	8.00
Maids..... "	4.00	8.00
Meteors..... "	3.00	6.00
Golden Gate..... "	3.00	6.00
Carnations..... "	1.00	1.50
" large fancies "	2.00	3.00
Mignonette.....per doz.,	.35	.50
Callas.....per doz.,	1.25	1.50
Violets, double.....per 100,	.75	1.00
" single..... "	.50	.60
Sweet Peas..... "	1.00	1.50
Valley, select..... "	2.00	3.00
Romans..... "	2.00	3.00
Tulips..... "	2.00	4.00
Daffodils..... "	2.00	3.00
Paper Whites..... "	2.00	3.00
Freesias..... "	2.00	3.00
Asparagus plumosus, per stg,	.50	.60
" Sprengeri, per 100,	3.00	4.00
Ferns, per 1000, $2.00; "		.25
Galax, " 1.00; "		.15
Leucothoe sprays.... "		.75
Adiantum..... "	$1.00	1.50
Smilax.....per doz.,	1.50	2.00

Prices subject to change without notice

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty..... WHOLESALE GROWER of **CUT FLOWERS**

WEILAND-AND-RISCH

CHICAGO'S RELIABLE
Wholesale Growers and Shippers of
CUT FLOWERS,
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SEND FOR WEEKLY PRICE LIST.
WHOLESALE FLORISTS

Bassett & Washburn

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GREENHOUSES: HINSDALE, ILL.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florists

31-35 Randolph St., CHICAGO.

☞ Consignments solicited.....

FRANK GARLAND,

Wholesale Grower of **Cut Flowers**

SPECIAL ATTENTION GIVEN TO HARDY CUT **FERNS**

55-57 WABASH AVENUE,

Telephone Central 3284. CHICAGO.

A. L. Randall,

WHOLESALE FLORIST.

4 Washington Street, CHICAGO

Send for weekly price list and special quotations on 1000 lots.

Wholesale Flower Markets

CHICAGO, Feb. 28.

Roses, Beauty, 30 to 36-inch stems		4.00
" " 24 " "		3.00
" " 20 " "		2.00
" " 15 " "		1.50
" " 12 " "		1.00
6 to 8 " "per 100	4.00@	6.00
Bride, Bridesmaid.....	4.00@	8.00
" Meteor.....	3.00@	6.00
" Perle.....	3.00@	6.00
" Golden Gate.....	3.00@	6.00
Carnations.....	1.00@	3.00
Violets.....	.75@	1.00
Lily of the valley.....	2.00@	3.00
Callas, per doz.....1.25@1.50		
Tulips.....	3.00@	4.00
Romans, Paper Whites.....	2.00@	3.00
Adiantum.....	1.00@	1.50
Common ferns.....per 1,000 $2.00		.25
Galax leaves, per 1000.....$1.00		.15
Smilax.....per dozen 1.25@ 1.50		

For EASTER Forcing

Fine, select LILY OF THE VALLEY PIPS, $1.50 per 100; $12.50 per 1000; $30 per case of 2500.

FANCY CUT VALLEY always on hand at market price.

H. N. BRUNS,

1409-1411 W. Madison Street, CHICAGO, ILL.

Please mention the American Florist when writing.

CHOICE

LILY of the VALLEY

in large quantities, the finest that is grown, $4 and $5 per 100.

JOHN WOLF, SAVANNAH, GA.

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E. H. Hunt,

WHOLESALE.....

Cut Flowers

THE "OLD RELIABLE,"

76 Wabash Ave., CHICAGO.

GEO. REINBERG,

Wholesale Grower of *Cut Flowers*

Choice American Beauties.

We will take care of your orders at reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.

Headquarters for American Beauty.

51 Wabash Ave., - CHICAGO, ILL.

JOHN MUNO,

Wholesale Grower and Shipper of **Cut Flowers**

Room 221, 51 Wabash Ave., CHICAGO.

TELEPHONE CENTRAL 3598. All telegraph and telephone orders given prompt attention.

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in **Cut Flowers**

All telegraph and telephone orders given prompt attention.

GREENHOUSES: Morton Grove, Ill.

35-37 Randolph Street, CHICAGO, ILL.

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GEO. A. SUTHERLAND,
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Telephone 1270 Main.
BEST BOSTON FLOWERS. All Supplies.
An entire floor Devoted to Stock and Manufacturing. Distributing Agent for United States for the wonderful

"Floral" LETTER, unequalled for design work. Script, any color, 3½c a letter. Block letters, 1½c each. The most elaborate design work to order in a few minutes.

GENERAL AGENTS:
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REED & KELLER, New York City.

SPECIALTIES THIS WEEK:
Special American Beauty,
CARNATIONS,
Lily of the Valley, Violets.

CITY HALL CUT FLOWER MARKET
WELCH BROS., PROPS.
9 CHAPMAN PLACE,
15 PROVINCE STREET,
Boston, Mass.

The best market for Growers who cna ship good Cut Flower stock.

J. K. ALLEN,
106 West 28th Street.
Telephone 167 Madison Sq. NEW YORK CITY.

N. F. McCARTHY & CO.
84 Hawley St., BOSTON,
ARE RECEIVING ELEGANT ROSES ALL VARIETIES.
DON'T YOU WANTSOME?
Tel. 734 and 64 Main.

Geo. M. Moss,
WHOLESALE FLORIST,
32 South 17th Street, PHILADELPHIA, PA.
Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.

Wholesale Flower Markets

BOSTON, Feb. 26

Roses, Beauty, extra	25.00@50.00
" " medium	12.00@20.00
" " culls	6.00@ 8.00
" Bride, Bridesmaid, Meteor.	2 00@ 6.00
" extra	8.00@10.00
Carnations	1.00@ 1.50
" fancy	3.00@ 4.00
Lily of the valley	2.00@ 3.00
Violets	.30@ .60
Harrisii lilies	8 00@12.00
Freesia	1.00@ 1.50
Narcissus Paper White	1.00@ 1.50
" Yellow	1.50@ 3.00
Roman hyacinths	.75@ 1.50
Tulips	2.00@ 3.00
Callas	8.00@10.00
Adiantum	.50@ 1.00
Smilax	12.00@16.00

PHILADELPHIA, Feb. 26.

Roses, Tea	5.00@ 8.00
" " extra	10.00@12.00
" Beauty, extra	50.00@65.00
" " firsts	30.00@40.00
" Queen of Edgely, extra	75.00
" " " firsts	25.00
Carnations	1.00@ 3.00
Lily of the valley	4.00@ 5.00
Asparagus	25.00@50.00
Smilax	12.50@15.00

BUFFALO, Feb. 27.

Roses, Beauty	7.00@35.00
" Bride, Bridesmaid, Meteor	6.00@15.00
Carnations	1.50@ 4.00
Violets	.50@ 1.00
Lily of the valley	3.00@ 4.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.50

Give Us a Trial. We Can Please You.

Roses, Carnations and all kinds of Seasonable Flowers in stock.
WM. F. KASTING, Wholesale Commission Florist.
481 Washington St., Buffalo, N. Y.
Dealer in Florists' Supplies and Wire Designs.
Open Day and Night.

Cut Harrisii Lilies.

I am growing the largest batch of lilies in New England. Have over 50,000 Harrisii besides plenty of Japans for Easter. Can supply blooms all the time from now till spring. Can fill orders for any quantityat an hour's notice.

H. N. EATON,
'Phone Connection. SO. SUDBURY, MASS.

MARKETING for flowers is a pleasure if done at the Headquarters of the
NEW YORK CUT FLOWER CO.
Here is the choicest stock of the most eminent growers, fresh every morning and in full variety. Goods selected and shipped to any part of the country. Always room for growers looking for an outlet for good cut flower stock.
DAILY REPORTS. WEEKLY PAYMENTS.
SALESROOMS { 55 & 57 West 26th St., NEW YORK CITY.
TELEPHONES: 2239 Madison Sq. 2034 Madison Sq.
J. A. MILLANG, MANAGER.

EUGENE BERNHEIMER
Wholesale Florist,
Phone 14269 A, 1604 Ludlow St., **Philadelphia.**
CONSIGNMENTS OF ROSES SOLICITED.

AMERICAN FLORIST ADS ALWAYS DO BUSINESS
Week days and every day, Sundays and holidays,
ALL OVER THE COUNTRY AT HOME AND ABROAD.

American Beauties. Carnations. Valley.

HIGH GRADE FLOWERS OF ALL KINDS.
LEO. NIESSEN, Wholesale Florist, N. W. Cor. Filbert & 13th St., Philadelphia.

Note the Smile of Satisfaction

When the consignor reads his returns the buyer opens a box of flowers From

JOHN I. RAYNOR, WHOLESALE COMMISSION FLORIST.

Telephone 1998 Madison Square — 49 W. 28th St, NEW YORK.

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WHOLESALE FLORISTS 42 West 28th Street, NEW YORK,

Are shipping the finest Roses, Carnations, Valley, Orchids, Novelties, in the New York Market. ——Price List to Applicants.

TELEPHONE 2066 MADISON SQUARE.

Walter F. Sheridan,

Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Telephone Nos. 2239 and 2034 Madison Square.

MOORE, HENTZ & NASH

Wholesale Commission Florists,

55 and 57 West 26th St., NEW YORK CITY.

Adjoining New York Cut Flower Co. salesroom. Finest Salesroom in the Trade. Inspection Invited. All business, selling or shipping, strictly commission.

WHOLESALE **WILLIAM GHORMLEY,** COMMISSION

RECEIVER AND SHIPPER OF FRESH CUT FLOWERS. DAILY STOCK OF ALL THE CHOICEST VARIETIES FROM BEST GROWERS WHO SHIP TO NEW YORK.

ORCHIDS, ROSES, CARNATIONS, VALLEY.
Largest receiver of VIOLETS in America

Telephone 2200 Madison Square, 57 WEST 28th STREET, NEW YORK CITY.

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Special American Beauties, Surpassing Carnations, Violets, Lily of the Valley, Orchids, and all Seasonable Flowers.

51 West 28th St., NEW YORK.
Tel. 1905 Madison Sq.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR

Violets and Carnations

GROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER,
30 West 29th St., New York.
Telephone 551 Madison Square.

FRANK MILLANG,

CUT FLOWERS,

WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange, NEW YORK.
Telephone 299 Madison Square.

ESTABLISHED 1872.

JOHN J. PERKINS,

COMMISSION FLORIST,

Solicits Consignments or Shipping Orders. Satisfaction given in both.

Write for Terms. 115 West 30th St., New York.

POPULAR WITH THE TRADE.
Therefore a profitable place to send your Flowers.

M. A. HART'S,

48 West 30th St., New York City.
Telephone 325 Madison Square.

Choice Carnations. Selected Roses.

Traendly & Schenck

NEW YORK CITY,

38 W. 28th Street, Cut Flower Exchange.

New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

NEW YORK, Feb. 26.

Roses, Beauty, select	35.00@50.00
" " medium	5.00@20.00
" " culls	1.00@3.00
" Bridesmaid, Bride, Meteor	2.00@6.00
" " " extra	6.00@10.00
" Liberty	1.00@4.00
" Liberty special	8.00@20.00
Carnations	.75@2.00
Carnations, specialties	4.00@5.00
Violets	.30@ .75
Lily of the valley	1.50@3.00
Roman hyacinths	.75@1.00
Paper White narcissi, Freesia	1.00@1.50
Yellow narcissi	1.00@2.00
Callas	6.00@10.00
Sweet Peas	1.00
Tulips, single	1.00@2.00
" double	2.00@4.00
Lilac, per bunch	1.00
Harrisii lilies	10.00@15.00
Cattleyas	10.00@40.00
Mignonette	2.00@6.00
Smilax	10.00@12.00
Asparagus	25.00@50.00
" Sprengeri, per doz. bun.	2.00@3.00
Adiantum	.75@1.00

CHAS. MILLANG,

50 W. 29th St.,

NEW YORK.

FORD BROS.

Receivers and Shippers of

FRESH FLOWERS.

Best Violets in New York market.

111 WEST 30TH ST., NEW YORK.
Telephone 157 Madison Square.

Julius Lang

53 West 30th Street, NEW YORK.

REPRESENTS THE BEST GROWERS OF

ROSES, CARNATIONS, VALLEY.

TELEPHONE 280 MADISON SQUARE.

ALEX. J. GUTTMAN,

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A full supply daily of the choicest New York and New Jersey

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52 W. 29th Street, NEW YORK CITY.
Telephone 1738 Madison Square.

A. H. LANGJAHR,

Wholesale Commission Florist,

BEST FLOWERS SHIPPED AT LOWEST NEW YORK PRICES.

19 Boerum Place, Brooklyn, N. Y.

TELEPHONE 939 MAIN.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.
Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE.

Now in Season:
FREESIAS, DAFFODILS, TULIPS
LILAC, SWEET PEAS and ACACIA.

EDW. C. HORAN,

47 WEST 28TH ST.,

Tel. 421 Madison Square, ...NEW YORK.

CUT FLOWERS AT WHOLESALE.

All Roses, Violets

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

J. E. NORTHRUP, Pres.; S. F. LEONARD, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

Twentieth annual convention, Twin Cities, Minn., June, 1902.

VISITED CHICAGO: F. H. Henry, of Henry & Lee, New York.

VISITED NEW YORK: A. J. Brown, of Grand Rapids, Mich.

ONION seed is not selling as fast as some seedsmen would like.

THE Dutch bulb drummers report good trade in general, rather better than last year.

RETAIL mail orders in the seed trade have shown a good increase during the bright weather of the past week.

RAIN has fallen for several days the past week on the Pacific Coast and onion and bean prospects have improved.

ONION sets in good sized lots are quoted at about $1.40 to $1.50 for yellows; $1.75 to $1.85 for reds; and whites 10 to 20 cents per bushel higher.

AN Erfurt correspondent writes that the stocks of carrot, cabbage and pansy seed are more in evidence than was expected.

New York.

TRADE NOT ACTIVE AND STOCK ACCUMULATING.—PRICES ON THE TOBOGGAN.—SIEBRECHT'S HAVE A BUSY WEEK.—SOME SPLENDID DECORATIONS.—CLEVER WORK OF JAPANESE GARDENERS.—GOOD STOCK FOR EASTER.—NOTES OF VARYING INTEREST.—TRAENDLY OPENS NEW STORE.—HODGSON INCORPORATES.

This week starts out with an unfavorable cut flower market. Weather conditions are decidedly against the retailer and as the influx of material is greatly increased the result is a precipitate drop in prices all along the line, which are not likely to recover again this season. The only exception to this are the cattleyas and American Beauty roses, both of which are in heavy demand for the German prince's reception festivities, and as soon as this occasion is over no doubt the Beauty will join its fellows on the downward slide. The supply of both roses and carnations is augmented and bulbous stock of all kinds is in very heavy supply, as are also the violets, which are sold, as a rule, at whatever figure the street men are willing to pay for them. Callas and Harrisii lilies are also accumulating and will now have to wait for Easter before they can make any kind of a recovery.

Last week was a very busy one with Siebrecht & Son. The dinner decoration at Delmonico's, which is illustrated in the supplement to this issue, was an exceedingly elaborate affair. The center of the table was arranged with a waterfall, in the center of which was a miniature rockery. The bank was composed of a border of violets, fourteen inches wide, edged with lily of the valley. About 10,000 violets were used in it. The fourteen columns and arches over the table were festooned with asparagus, pink roses and violets and there were over 3,000 tiny electric lights in the decoration. The view of St. Thomas' church shows the plant decoration on the occasion of the wedding of the daughter of General Roe. On account of the necessity of taking the flash light two hours before the ceremony, the floral part of the decorations, including bunches on the pews, and so forth, had not been put up at the time the photograph was taken. For the Tiffany funeral on February 20, Messrs. Siebrecht made a pall of violets, completely covering the caskets, and for this and the funeral of Judge Isham, which took place on the same day, they made some superb wreaths and mounds of cattleyas and other orchids, with violets, lilies and Farleyense ferns.

Mr. Steinhoff has two Japanese in his employ at his greenhouses in West Hoboken and the results of their cunning work are well displayed in a house containing 1,600 Crimson Ramblers all in beautiful leaf and bud and trained in a score of fantastic shapes. These and a house of hydrangeas are in promising shape for Easter. Mr. Steinhoff makes it his practice to repot his Ramblers and hydrangeas a few weeks before Easter, shifting into larger pots. This makes the plants stand much better in the dwelling house than they would if pot-bound and he claims that the adoption generally of this plan would have saved the hydrangea from the unpopularity through which it has passed during several years. There are altogether some 10,000 Ramblers and 60,000 lilies under cultivation here, the greater part for Easter. Mr. Steinhoff recommends Azalea Apollo as a good one for Christmas, a safe forcer and a color that is in good demand at that time.

W. H. Traendly opens, on March, a new store in the Cafe Martin which, from this date, will occupy the location of the old Delmonico establishment at Madison Square and Fifth avenue.

The J. M. Hodgson business has been incorporated with a capital stock of $40,000.

A Popular Cattleya.

Cattleya Trianæ variety Backhousiana is very rich in the variation of its blossoms. A glance in the florists' stores at this season will demonstrate this remarkable diversity of coloring. A flower of extraordinary beauty has just reached me, of the true Cattleya Trianæ Backhousiana. There are many forms of the variety in cultivation, but in this specimen, however, the characteristic feathered markings on the sepals and especially petals is very much in evidence, being of a decided rich purple at the apices. The labellum is broad, finely frilled and rich magenta purple. The whole flower is well shaped and of excellent texture. It came from the collection of E. G. Uihlein, of Chicago, who has flowered the plant for several seasons without showing any diversion in its distinct markings. A. DIMMOCK.

PACIFIC GROVE, CAL.—Wm. G. Bertermann, of Indianapolis, ex-president of the American Carnation Society, is here, in improving health.

Cow Peas. The Famous Forage Crop and Soil Improvers.

WE ARE HEADQUARTERS for these and all Southern specialties, including **Soja Beans, Velvet Beans, Pearl or Cat-tail Millet, Teosinte Bermuda Grass, Ensilage Corn, Spanish Peanuts, Chufas, Sorghums, etc.**
Write for prices, and our interesting Catalogue giving full information about these crops.

T. W. WOOD & SONS, - Richmond, Va.

New Crop Asp. Sprengeri, Smilax and Sweet Peas

ASPARAGUS SPRENGERI, per 100 seeds, 25c; per 1000 seeds, $2.00.
FRESH SMILAX SEED, per oz., 25c; per lb., $2 50. Special prices on quantity.
ECKFORD'S LARGE FLOWERING SWEET PEAS, Mixed, per oz., 5c; ¼-lb., 10c; per lb., 25c; 5 lbs., $1.00.

JOHNSON & STOKES, 217-219 Market St., Philadelphia, Pa.

NEW LATE CABBAGE "HOUSER."

The largest Hard-heading, Fine Grained, Smallest Hearted, Distinct Round, Late Cabbage known. Gardeners will do well to give it a trial.

Mr. J. M. Lupton, the noted cabbage specialist says: It is entirely distinct and keeps over the winter better than any other kind.

Packet, 10c; Oz., 50c; 1-4 Pound, $1.50; Pound, $5.50, postpaid.
Catalogue free for asking.

H. L. HOLMES, Seedsman. HARRISBURG, PA.

LILIUM HARRISII.

As reliable stock as is produced on the Island, raised, crop-rogued, inspected, and packed by a grower always on the ground.

We offer this (V) brand of Harrisii as averaging the most reliable stock exported. Orders placed now can be supplied, late ones could not be filled last year and may not be this. Write for prices on 5 to 7, 7 to 9, and 9 to 11.

White Roman Hyacinths.

12 ctms. and upward, being the whole crop above the 12 ctm. size, no 13 to 15 ctms. being taken out.

150,000 of this grade imported by us the past season proved very satisfactory and we offer 1902 crop of same, confident that this grade contains the best value possible for the price, which is made for early orders. Remember the size contains all the bulbs in the crop above 12 ctms. and up to 16 ctms. Write for prices.

N. B.—Our usual percentage of extra early deliveries will be made.

Vaughan's Seed Store, CHICAGO. New York.

ADVERTISERS ALWAYS RECEIVE LARGE RETURNS FROM THE

Annual Spring Number

OF THE AMERICAN FLORIST TO BE ISSUED THIS YEAR ON MARCH 15.

(Two weeks before Easter, the most prosperous season in the Florists' calendar.)

THE Special Numbers of the AMERICAN FLORIST have become so well known [for their fine printing and illustrations, for their valuable trade text, and their business bringing powers] that it is not necessary for us to here to dwell upon these matters. They are appreciated by every reader and by every advertiser.

[W. W. Coles writes: "It is remarkable the amount of orders my 2-inch adv. brought me from the Special Number of your paper. Orders came pouring in from all parts of the United States. The Am. Florist is O. K."]

This Spring Number, March 15, will be equal to its predecessors in all its features [we mean that it shall be better, but past records are pretty high] and, as usual, will reach, throughout the United States and Canada, every person in the trade whose business is worthy of consideration, also leading foreign houses.

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. Advertisements on second, third and fourth SPECIAL COVER PAGES [printed on heavy toned paper] $30.00 per page, net.

IN ORDER THAT YOU MAY BE GIVEN THE BEST POSSIBLE POSITION AND DISPLAY

Please Mail Your Advertisement Now.

This is the Time to do Business

American Florist Company

324 Dearborn Street, Chicago, Ill., U. S. A.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
R. C. BERCKMANS, Pres.; R. J. COE, Vice-Pres.
GEORGE C. SEAGER, Rochester, N. Y., Sec'y.
Twenty-seventh annual convention, Milwaukee, Wis., June, 1902.

AT the Chattanooga Nurseries they say that the peach industry is booming in Tennessee.

MANY nurseries report good demand for nut trees. The hickory is difficult to re-establish when large; therefore medium sizes are wanted.

A TREE of increasing popularty for the lawn is Koelreuteria paniculata, the varnish tree. It is ornamental when not in flower. In transplanting it should be closely pruned.

A Destructive Storm.

The storm which visited eastern Pennsylvania and New Jersey on February 21 and 22, brought a heavy fall of rain with the temperature about freezing, and the results were most disastrous. Upon all trees, evergreen and deciduous, the long continued rain froze and accumulated until the smallest twig had a coating of at least an inch of ice. Add to this the accompaniment of a violent gale, and the consequences may be partly imagined. No one living in that section can recollect anything approaching this storm in destructiveness to vegetation. Trees are simply stripped of their limbs, and woods, roadsides and lawns present a scene of desolation. All through the night of February 21 many lovers of trees were helplessly listening to the resounding echoes of falling limbs, each one resembling the noise that would accompany the falling of a large tree, through the burden of ice. The chestnuts, maples and poplars were the first to fall, then the elms, ash and fruit trees, and finally the oaks succumbed. Landmarks and cherished trees have been treated with a ruthless hand and the loss is irreparable.

FRANCIS CANNING.

Notes on Trees and Shrubs.

When referring to insects in my recent notes I omitted the well-kown cutting scale. So much has been written about this louse, and especially the comments made upon it by the daily press, would tend to the belief that a savage monster had invaded our parks and gardens, intending to swallow the trees, root and all.

Though a troublesome and more or less injurious insect, the cutting scale is perhaps less dangerous than most of our other well-known tree enemies. That we already have received able assistance in destroying this louse through a small beetle belonging to the ladybug family, that feeds on the egg masses of the scale, may not be generally known. But how soon this voracious little fellow will be able to check the pest is a question and in the meantime we may as well lend our friend all the assistance we can.

Perhaps the best time to annihilate the louse is when it is crawling away from its warm nest to feed on the young, juicy leaves, about the first of June. Then a thorough spraying of kerosene emulsion will prove effectual. But when the egg masses cover entire limbs, and especially on smaller trees and within easy reach, a good wash of emulsion applied with a brush will greatly diminish the troublesome louse. This can also be said about the mealy bug so plentiful on a number of cratægus varieties, and especially on Cratægus Crus-galli and C. Oxycantha. Of course it will be understood that such work cannot be carried on when the thermometer stands near zero.

However carefully we may have covered up in the fall, an occasional trip among our protected friends will give assurance that everything is right. Winter's blasts may have uncovered some of them or dogs may have been frolicing in the herbaceous border. The recent dry freezing weather is dangerous to fall planted stock, and more so to evergreens that have been planted in late summer. Wherever possible a watering is of great benefit to the latter. This can only be accomplished where a good mulch has prevented the frost from penetrating the ground. In fact, all newly planted evergreens should be mulched, whether planted in late summer or spring, to insure success.

Catalogues are fast arriving calling one's attention to the great merits of new plants. Beware of novelties except for the trial bed. After they have proved hardy and worth a place in the garden then is the time to plant them in a permanent position. Orders for the coming spring are best placed now. This will enable the nurserymen to get the stock out in good season.

Apropos of spring orders, I desire to speak a friendly word for our American bladdernut, Staphylea trifolia. How pretty its greenish striped branches look with the ground covered with snow, and its bladder-like seed pods, from which it has derived its common name, rattling in the sharp winter breeze are not less interesting. Although outdone in showiness by its Chinese sister, Staphylea Colchica, it is hardy in northern Illinois and perhaps through a great part of the northern part of the middle states, more than can be said about the Chinese bladdernut.

The American bladdernut loves a shady, moist situation and is indigenous to the low woodlands skirting Chicago. It may be interesting to know that the yellow wood, Cladrastis tinctoria, will thrive well in a dry and sheltered position in northern Illinois. To substantiate this a specimen over twelve inches in diameter and nearly thirty feet high stands within a few miles west of Chicago.

JAMES JENSEN.

THOMPSONVILLE, CONN.—D. W. Thompson has built an addition to his greenhouses.

Import Freight Agents Delaware, Lackawanna & Western Railroad Co. at New York, N. Y.
ENERGY. ECONOMY. DISPATCH.
F. B. VANDEGRIFT & CO.,
Publishers of Vandegrift's United States Tariff.
Customs Brokers and Forwarders Foreign Express, Export and Insurance Brokers.
NEW YORK Office, 66 Beaver Street Telephone, 9 8 Broad. | A. B. C. Code Used. Cable Address, Vangrift. | CHICAGO Office, 315 Dearborn St Phone, Harrison 840

Rhododendron Maximum AND Kalmia Latifolia
The two best native Evergreen Shrubs for out-of-door ornamentation. Furnished by car load lots or in smaller quantities. Send for prices, also Special Rhododendron circulars. VINCA MINOR—10,000 3-inch clumps for sale cheap. Fine lot of general nursery stock.
EASTERN NURSERIES, M. M. Dawson. Mgr. Jamaica Plain, Mass.

SHADE TREES, Etc. Per 100 1000
Sugar Maple.....10 to 12 ft., $25
Sugar Maple..... 8 to 9 ft., 10
Sugar Maple..... 6 to 7 ft., 7 $60
Sugar Maple..... 4 to 5 ft., 5 19
Sugar Maple..... 3 to 4 ft., 3 25
Sugar Maple.....1½ to 2½ ft., 2 15
Tulip Poplar (Liriodendron) .. 9 to 10 ft., 20
Tulip Poplar (Liriodendron)... 6 to 8 ft., 15
American Elm.....10 to 12 ft., 20
American Elm..... 8 to 9 ft., 12
American Beech..... 4 to 6 ft., 5 40
Dogwood (C. Florida)..... 5 to 7 ft., 25
White Day Lily (F. Alba), crowns..... 5
Yellow Day Lily (Hemerocallis), three fine varieties, earliest, medium and latest, $2.50 to $3 per 100, $15 to $20 per 1000.
Eulalia Gracillima, $2.50 per 100..... 18
Linnæus Rhubarb, true, best, crowns..... 1 8
Madeira Vine, strong 2
Well packed and in cars. Cash with order.
E. Y. TEAS, CENTERVILLE, IND.

TREES
Fruit Trees, Small Fruits, Ornamental Trees, Evergreens and Shrubs, Shade Trees, Hardy Roses, Hardy Plants, Climbers, etc., including the New Hardy Yellow Rose, Golden Sun (Soleil d'Or) and beautiful New Cut leaved Elder.
Descriptive Catalogue (Edition 1901) with colored illustration of the new Rose and Elder on request.
Ellwanger & Barry
Mt. Hope Nurseries, ROCHESTER, N.Y.
Established over 60 years. Mention this publication.

Send to THE MOON Company
For Your } Trees, Shrubs, Vines and Small Fruits.
Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.
Morrisville, Pa.

GRAPE VINES
Currants, Gooseberries, Blackberries, Raspberries, Strawberries. Price List FREE.
Send 2c stamp for illustrated descriptive catalog.
T. S. HUBBARD CO. Fredonia, N. Y.

Rhododendrons "Mtn."
Choice plants..6 to 10 in., 75c per 10; $5 00 per 100
" " 12 to 18-in., $1.50 per 10; 12.50 per 100
Special prices on large lots Cash with first order.
Rhododendron Leaves for festoonings, 50c per 1000
J. N. PRITCHARD, Elk Park, N. C.

B. W. DIRKEN,
Oudenbosch, Holland.
ORNAMENTAL AND FOREST TREES A SPECIALTY.
Conifers, Evergreens, Hollies, Etc.
Prices on Application.

FLORISTS' FLOWER SEEDS

TYPE OF THE FLOWER OF VAUGHAN'S NEW UPRIGHT BRANCHING ASTER.

	Trade pkt.	Oz.
CENTAUREA Candidissima (Dusty Miller), 1000 seeds	25	1.30
Gymnocarpa	10	40
Imperialis, mixed, all the following sorts	10	60
" **Alba**, pure white	10	85
" **Armida**, lilac	10	70
" Favorita, brilliant rose	10	70
" Graziosa, dark lilac	10	70
" Splendens, dark purple	10	70
" Variabilis, white, fading to rose	10	70
COBÆA Scandens, purple ... lb $3.00	10	25
DAISY, Burbank's New Shasta Daisy	25	
LOBELIA, Crystal Palace Compacta ... ¼ oz., 25c.	15	1.25
Bedding Queen ... ¼ oz., 5 c.;	25	1.50
Speciosa, dark flowers and foliage; for hanging baskets	10	50
MAURANDYA, mixed ... ¼ oz., 30c.;	15	1.00
Barclayana, purple	25	

SWEET PEAS.

Our Sweet Pea Seed was raised by the most careful grower and is equal to the best in the country. We invite comparison.

Any of the following, per oz., 5c, except where noted.	¼ Lb.	Lb.	5 Lbs.
Blanche Burpee, very large white	10	25	$1.00
Blanche Ferry, pink and white	10	25	1.00
" " **extra early**, 10 days earlier	10	25	1.00
California, very soft "Daybreak" pink	10	30	
Captain of the Blues, purplish mauve	10	30	1.25
Countess, the New, clear lavender	10	25	1.00
Countess of Powis, orange suffused with purple	10	30	
Countess of Radnor, delicate lavender	10	25	1.00
Earliest of All, 8 days earlier than Ex. Early Blanche Ferry	15	30	1.50
Emily Henderson, white, early and free	10	30	
Her Majesty, beautiful rose, large	10	25	1.00
Hon. F. Bouverie, standard coral pink, wings slightly lighter	10	30	
Katherine Tracy, soft but brilliant pink	10	25	1.10
Lady Grisel Hamilton, best of all lavender sorts	15	40	
Lady Mary Currie, bright orange pink	10	30	1.25
Mrs. Eckford, delicate primrose yellow	10	30	1.35
Navy Blue, a new, deep violet-blue	15	50	
Prima Donna, soft pink	10	25	1.10
Prince of Wales, new, bright rose self	15	40	1.65
Sadie Burpee, new white, white-seeded	15	30	
" " " " black seeded	15	30	
Salopian, the best of all reds	10	25	1.10

VAUGHAN'S FLORISTS' MIXTURE.—This mixture, which is made up by ourselves from separate colors carefully proportioned of the best cut-flower sorts and colors, is bound to give satisfaction. ¼ lb., 10c.; lb., 30c.; 5 lbs., $1.25. 10 lbs., $2.25.

NEW SWEET PEA—MONT BLANC.—Oz., 15c.; ¼ lb., 40c.; lb., $1.35; 2 lbs., $2.50; 5 lbs., $5.50.

VAUGHAN'S ASTERS.

"THE CARLSON" an improved Paeony-Flowered Aster, much liked in the Chicago market. White, pink or lavender, each, trade pkt, 25c, ¼ oz. $1.20.

	Trade pkt	¼ oz.	oz.
BRANCHING OR SEMPLE, White ... pound, $8.00;	10	25	$ .75
" " Rose pink	10	30	1.00
" " Lavender, ... pound $12.00	10	30	1.00
" " Red	10	35	1.20
" " Purple	10	30	1.00
" " Daybreak pink	10	25	.75
" " Mixed ... pound, $6.00	10	20	.50
VAUGHAN'S NEW UPRIGHT WHITE BRANCHING, lb., $12.00	10	30	1.00
VAUGHAN'S NEW UPRIGHT PINK BRANCHING, lb., $12.00	10	30	1.00
QUEEN OF THE MARKET, White			
" " " Pink			
" " " Scarlet ... Each	10	20	.50
" " " Light blue			
" " " Dark blue			
" " " Mixed	10	15	.50
ALYSSUM, Little Gem, extra fine strain ... pound, $2.50	10	25	

ASPARAGUS PLUMOSUS NANUS, 100 seeds, $1.00; 250 seeds, $2.00; 1000 seeds, $7.5 .
SPRENGERI, 100 seeds, 50c; 1000 seeds, $2.00; 5000 seeds, $8.50.
Write for prices on larger lots on above two kinds.

BELLIS OR DOUBLE DAISY, Vaughan's Mammoth Mixture, 1-16 oz., 45c; Td. pkt. 25c
" " " " **White,** 1-16 oz., 40c; Td. pkt. 25c.
" " " " **Pink,** ... Trade pkt. 25c.

BROWALLIA SPECIOSA MAJOR. The most beautiful of all the Browallias. The plants grow only about a foot high, form dense, little bushes, which are covered the entire year with an abundance of the most delightful sky-blue flowers, much larger than those of the other varieties. Trade packet, (2 0 seeds) 25c.

CANDYTUFT. New Giant Hyacinth Flowered. This improved new strain is far superior to Empress. The flower-heads are of immense size, six inches long and about three inches across, resembling a Dutch Hyacinth. They are pure white, and furnish excellent material for cutting. Pound, $2.50; trade pkt., 10c; oz., 35c.

VAUGHAN'S INTERNATIONAL PANSIES THE WORLD'S BEST. This is a combination of as many separate colors, types, blendings and unique kinds as can be found in the world. It has been made up and sold by us for twelve years; it **is the best general mixture in existence** and is most widely known and popular. Price, per oz., $10.00; ½ oz., $5.00; ¼ oz. $1.50; trade, pkt., 50c.

VAUGHAN'S "GIANT PANSY MIXTURE." Embraces, besides all the best shades and colors five special strains which can only be had in this and our International Pansy. This mixture includes the richest reds, coppers and bronzes, together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau, the splendid Cassier strain with its delicate veinings. We have spared no expense to secure the newest, richest and finest sorts. Price, ¼ lb., $14.00; oz., $4.00; ⅛ oz., 60c; trade pkt., 25c.

CHICAGO PARKS BEDDING PANSIES, "CHOICE MIXED" In many colors. Pkt. 10c; ¼ oz., 30c; oz., $1; 4 ozs. $3

PANSY SEED—Good mixture of many colors, oz., 50c; 5 ozs., for $2.00.

"VAUGHAN'S BEST" MIXTURE OF LARGE FLOWERING PETUNIAS.

This mixture is made up by ourselves and includes all the best sorts and colors of the Large flowering and Fringed sorts and the unsurpassed Superbissima varieties with their delicately veined throats in various colors, and their truly mammoth flowers. We are possitive that **no other Petunia Mixture can produce flowers with as wide a range of colors as our Vaughan's Best.**

Trade packet, 1000 seeds, 50c; 3 packets for $1.25.

PHLOX DRUMMONDI.	Trade Pkt.	Oz
Grandiflora, Stellata Splendens, white, scarlet, pink, crimson, striped ... each	$ .10	$ .60
Large Flowering, finest mixed	.10	.50
NEW GIANT PYRETHRUMS, *Pyrethrum roseum hyb. grandiflorum*	.15	
SALVIA Splendens, Clara Bedman (Bonfire)	.25	2.25
"Drooping Spikes," one of the best ... ¼ oz., 50c;	.15	2.00
St. Louis best of all	.25	
SMILAX, new crop ... lb., $3.00	.10	.30

"VAUGHAN'S BEST" MIXTURE OF VERBENAS. This mixture contains all that is choice and desirable in Verbenas. It includes the Mammoth-Flowered strains of three celebrated Verbena specialists, the beautiful and dazzling Defiance; the Snow-Whites, Purples, Striped and all the Auricula-Flowered varieties, with thir large umbels of white-eyed flowers, the New Giant Striped and the Fordhook Mammoth Verbenas. We feel perfectly safe in stating that this mixture of Verbenas will eclipse every other strain offered by any other house. Oz. $2.00; ¼ Oz., 50c; trade Pkt., 25c.

MIGNONETTE, TRUE MACHET. The seed we offer produces dwarf, vigorous plants of pyramidal growth, with very thick, stout flower stalks. Finest in every way for florists' use and for pots. We have tested this with several of the fancy named strains and always with results favorable to our seed. Trade pkt., 10c; ½-oz., 25c; oz., 50c; 2-ozs., 75c; ¼ lb., $1.25.

NASTURTIUM.

	Oz.	¼-lb.	lb.
"VAUGHAN'S SPECIAL" Mixture of Tall Nasturtiums	$ .10	$ .20	$ .70
MME. GUNTHER'S HYBRIDS, true ... 10 lbs., $5.25	.10	.20	.60
"VAUGHAN'S SPECIAL" Mixture of Dwarf Nasturtiums	.10	.20	.70

FOR OTHER FLOWER SEEDS SEE OUR "BOOK FOR FLORISTS." FREE ON APPLICATION.

10 per cent. Special Cash Discount on orders over $2.00 for Flower Seeds if the cash is enclosed.

VAUGHAN'S SEED STORE,

NEW YORK, 14 Barclay Street. **84-86 Randolph Street, CHICAGO.**

GREENHOUSES: WESTERN SPRINGS, ILLINOIS.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 79 Milk St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

THE Baltimore florists' bowling club has invited the bowlers of the Florists' Club of Philadelpha to send a team to Baltimore for a match game on the afternoon of March 10, preceding the Gardeners' Club annual dinner in the evening.

At Jamestown, N. Y.

The bowlers of the Lakeview Rose Gardens rolled the first series of games for the Broadhead-Roney trophy February 21, the rose growers winning by 122 on total pins. The boys on both teams have promised to put up scores more worthy of the trophy next week. Following is the record:

CARNATION GROWERS.

Player	1st	2d	3d	T'l
J. Doxey	103	113	102	318
A. Scott	122	114	114	350
J. Levdon	134	126	108	368
J. Eidens	144	124	65	333
W. Bennett	116	92	92	300
S. Kaser	121	93	116	330
C. Hennou	168	121	110	399
Total	9.8	783	704	2398

ROSE GROWERS.

Player	1st	2d	3d	T'l
Wm. Coyne	141	143	154	4 8
M. McCue	131	147	125	403
C. Guntoo	137	147	110	394
J. B ooks	116	150	100	366
Ed. Bowyer	129	91	104	324
F. Coonors	77	134	106	317
C. Carlson	88	133	59	278
Total	817	945	758	2520

A. S.

At Chicago.

The following is the record made by Chicago bowlers on the evening of February 25:

ALL STARS	1st	2d	3d	T'l
Chas. Balluff	157	178	192	527
Ed. Enders	134	174	150	458
Walter Kreitling	170	125	148	443
Chas. Hughes	159	150		309
W. F. Kasting			141	141
C. A. Hunt	137	105	112	354
Total	757	732	743	2232

WHOLESALERS	1st	2d	3d	T'l
Jos. Foerster	154	163	213	530
C. W. Scott	121	124	168	413
C. H. Fisk	149	181	144	474
John Sterrett	168	159	173	500
E. F. Winterson	168	131	136	435
Total	760	758	834	2352

RETAILERS	1st	2d	3d	T'l
P. J. Hauswirth	190	194	175	559
J. Huebner	118	116	127	361
John Lambros	182	169	151	5 2
Ed. Hauswirth	148	158	137	443
Geo. Asmus	166	184	139	489
Total	804	821	729	2354

GROWERS	1st	2d	3d	T'l
Geo. Stollery	195	149	150	494
F. Matte	165	137	155	157
J. P. Sinner	172	160	138	470
C. Schafer	105	156	164	425
Fred. Stollery	195	188	157	540
Total	832	790	764	2389

In the ten-game match between E. C. Benthey and P. J. Hauswirth Monday evening, the total scores were 1648 and 1584 respectively.

MANKATO, MINN.—H. Lorenz has rented his place to Niel Nielsen.

SHEBOYGAN, WIS.—J. E. Matthewson is figuring on acquiring additional real estate and building 5,000 feet more glass.

Cincinnati.

PERSONAL OPINIONS OF THE STOCK SHOWN AT THE CARNATION MEETING.—TRADE FAIR AND STOCK PLENTIFUL.—GROWER HAS TROUBLES.—VARIOUS NOTES.

Your scribe was one of a party of florists from this city who took the trip to Indianapolis and I want to give my candid opinion of some of the varieties on exhibition. In my estimation the best vase in the hall was Enquirer. The public in general, from the exclamations heard, admired this variety more than anything else staged. And what a beautiful rich color at night under the artificial light. What a pity the calyx of this variety bursts so badly. It was my good fortune to return home on the same train with Frank Deller, the young man employed by Richard Witterstaetter and who has charge of growing Enquirer. He informed me that for such a large flower this variety is an exceptionally free bloomer. The vase of Lawson, from Bassett & Washburn, was well done, and no doubt the Lawson has come to stay. The new variety, Mrs. E. A. Nelson, will be an acquisition and looks like a magnified Scott on a good, stiff stem. Cressbrook, as seen here, is another that will bear watching. Adonis will be the scarlet of the future, and Messrs. Hill and Craig made a ten strike when they captured this variety. Mrs. Potter Palmer, from the Chicago Carnation Company, looks to be a good thing. We must not overlook Estelle, which to-day is one of the best scarlets from a financial standpoint. If we could all grow the red Bradt, Chicago, like Bassett & Washburn this variety would also do for a large red. In the class of white Lorna and White Cloud appear to be the top-notchers. If everybody could grow Norway like Wm. Jackson, gardener to Mr. Procter, we would want no better white. Gov. Walcott is undoubtedly all right, but it is pretty hard to judge a flower when it has been on the road for three days. The same may be said of Empire State. Olympia and Mrs. Bradt still hold forth as the best variegated. There is not much demand for such varieties as Prosperity, Roosevelt, Maceo or Gomez in this part of the country, and this seems to be the universal opinion of all the florists at the meeting that I came in contact with. The show taken as a whole was one of which the American Carnation Society may justly feel proud. The hospitality of the Indianapolis craftsmen was unbounded.

Trade is all that can be expected. There is plenty of stock, and good stock at that. J. A. Peterson had a large wedding decoration Wednesday, which consumed an enormous amount of flowers. Hardesty & Company had the decorations for the golden jubilee of the Scottish Rite Masons, which were very elaborate.

George Murphy is having his share of trouble this winter. Beside having the stock in one of his greenhouses frozen, two of his children have been very sick and at death's door for nearly a week. Mr. Murphy has the sympathy of all the florists in this vicinity, and we all hope for the speedy recovery of his little ones.

S. M. Harbison, of Danville, Ky.; Messrs. Graham, Kennedy, Hart, Williams and Pentecost, of Cleveland; E. G. Asmus, of New Jersey, and Pierson, of New York, were in the city the past week, en route to the meeting of the American Carnation Society.

Thos. Windram, of Cold Springs, Ky., has the sympathy of the craft in the death of his father, which occurred very suddenly on February 24. Mr. Windram had reached the advanced age of 89 years.

Max Rudolph, Gus Adrian and Wm. A. Mann are on the sick list. D.

St. Paul.

TRADE KEEPS UP WELL AND A LARGE SUPPLY OF MATERIAL IS ALL CONSUMED.—GOOD VIOLETS.

Lent has had but little effect so far on trade and sales keep up well. Stock is fairly abundant but not over-plentiful and nothing goes to waste. Warm, bright weather has brought Easter stock along in good shape and from present indications there will be a full supply of good stock for that occasion. Lilies will be somewhat scarce. Some that promised well early in the season are coming blind. Funeral flowers have been in great demand and shipping trade has been exceptionally good.

E. F. Lemke is cutting some exceptionally fine Princess of Wales violets. This variety seems to thrive here under any and all conditions, produces fine long-stemmed blooms, early and late in the season, and is, I predict, destined to supplant all other varieties now in cultivation. FELIX.

Programme for Rose Meeting.

The following is the programme, subject to modification, for the joint session of the American Rose Society, American Institute and Horticultural Society of New York, at the Berkeley Lyceum Theatre, New York, Wednesday, March 12, 1902:

2:00 p. m.—Address of Welcome, Dr. Murphy, president American Institute.
2:15—Response, For the American Rose Society. For Horticultural Society of New York, G. T. Powell, vice-president.
2:30—Recitation, "The Rose," S. B. P.
2:45—Address, under auspices of Horticultural Society of New York, "Old Time Roses." S. B. Parsons.
3:10—Song.
3:30—Papers presented by the Am. Rose Society:
Best Garden Roses, Dr. R. Huey.
Hybrid Rose Stocks, Dr. W. van Fleet.
Key to the Garden Classification of Roses, L. Barron.
New Roses, General Discussion.
Recitation (illustrated with stereopticon effects) "Flora's Choice," S. Parsons.
4:15—The Rose in Picture. Colored photographic stereopticon slides exhibited by Cornelius van Brunt.
Song, "The Last Rose of Summer."

Adjournment will be taken at 5 o'clock precisely, for the regular annual meeting of the American Rose Society.

Sander's Sons in Partnership.

F. Sander, of St. Albans, Eng., and Bruges, Belgium, has taken his three sons into partnership and assumed the title of Sander & Sons.

VICTORIA, B. C.—Thomas Woodward has found this an excellent season.

SHIPPING LABELS FOR
....Cut Flowers
Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....
ELECTRO OF THIS LEAF, POSTPAID, $1.25.
American Florist Co.,
CHICAGO.

ANNOUNCEMENT.

We beg to announce that MR. JOHN DEONAN, who for the past eighteen years has been connected with the Seed, Bulb and Plant business, has associated himself with our firm, which will hereafter be known as McKELLAR & WINTERSON CO. MR. DEONAN'S long experience in the Seed, Bulb and other branches of the business will give our customers assurance of our ability in handling their business satisfactorily on these lines, and we respectfully solicit the opportunity of supplying your wants. We intend handling a full line of Seeds, Bulbs, Plants, Shrubs and everything the market demands in this line, and together with our already complete line of Cut Flowers and Supplies places us in a position to take care of your requirements on all lines. Our combined efforts to supply everything required by the trade gives us many advantages over smaller concerns. We save you money on express and freight charges and are able to execute orders on all lines promptly, having the stock of goods right at our command, and save you the middleman's profits.

Easter Specialties.

RIBBONS FOR EASTER.

Some of the colors we supply are American Beauty, Bridesmaid, Meteor, Lavender, White, Cream, Purple, Green, Yellow, Orange, Lilac, Pink, Violet, Black, and all the different shades of leading colors. Send us your order now. You cannot duplicate this quality of Ribbon for less than 20 per cent higher prices elsewhere.

No. 2	No. 5	No. 7	No. 9	No. 12	No. 16	No. 22	No. 30	No. 40	No. 60
25c	50c	65c	75c	$1 00	$1.15	$1.25	$1.50	$1.85	$2.25

We can supply Satin, Gauze or Taffeta Ribbons at above prices.

SILVER BIRCH BARK WARE.

Handle Baskets—8-in., $11.00 per doz; 9-in, $13.00 per doz. **Nick of the Woods**—13-in. high, $18 00; 15-in. high, $20.00; **Canoes**—9-in., $4 20; 12-in., $5.70; 15-in., $7 80. **Logs**—6-in., $2.00; 9-in., $3 00; 12-in., $4 00; 15-in., $5.00; 18-in., $6.00; 21-in., $7 00; 24-in., $8 00. **Shoe**—6-in., $5.00; 10-in, $10.00; 14-in., $15.00; 18-in., $20.00. **Pot Wrappers**—4-in., $1 00; 5-in., $1.50; 6-in, $2 05; 7-in., $2.75; 8-in., $3.75. **Lined Double Pot Covers**—4-in., $2 40; 5-in., $3.00; 6-in., $4 00; 7-in., $5.00; 8-in., $6.00. Write for full price list.

Our Stock of supplies consists of a large assortment of Flower and Plant Baskets, Silk Cords, Porto Rican Matting, Artificial Plants and Flowers, Wheat Sheaves, Doves, Sphagnum Moss, Bouquet Pins, Cycas Leaves, Cycas Wreaths, Moss Wreaths, and everything required by the up-to date florist.

HEADQUAQUARTERS FOR CUT FLOWERS OF ALL KINDS. Send for our Special Easter List.

McKELLAR & WINTERSON

45-47-49 Wabash Ave. CHICAGO. Telephone Main 1129.

WE ARE IN THE MARKET FOR
GLADIOLUS, DAHLIAS and CLEMATIS.
Springfield Seed Co., Springfield, Mo.

W. W. RAWSON & Co. Arlington Tested SEEDS BOSTON MASS.

RAWSON'S
Arlington Tested
Seeds for the Florist
Catalogues Mailed Free.
W. W. RAWSON & CO., Seedsmen,
12 and 13 Faneuil Hall Square, BOSTON.

Francis Brill,
SPECIALIST IN
Cabbage and Cauliflower Seed
HEMPSTEAD, Long Island, N. Y.

RAFFIA NATURAL COLORED.
VAUGHAN'S SEED STORE,
CHICAGO and NEW YORK.

BURPEE'S SEEDS PHILADELPHIA.
Wholesale Price List for Florists and Market Gardeners.

GLADIOLUS BULBS

Forcing or Garden.

Nothing better for the money. Young, vigorous 2-year-old American Hybrids, light colors, $10.00 per 1000.

FORCING GLADIOLUS MAY

A fine light variety—**nothing better**—can be used in design work, $1 50 per 100; $12.00 per 1000.

WE ARE GROWERS.

CUSHMAN GLADIOLUS CO., Sylvania, Ohio.

TRADE MARK.

On hand for immediate delivery.

Cycas Stems,
Lilium Auratum,
Lilium Album in finest quality.
SUZUKI & IIDA,
31 Barclay Street. NEW YORK.

American Florist Advts.
Reach all the Trade.

ESTABLISHED 1802

THORBURN'S SEEDS

have been the standard of excellence for a hundred years, and were awarded the GOLD MEDAL both at the Paris Exposition of 1900 and Pan-American 1901. Our Wholesale Price List of Flower Seeds, etc., for Florists, will be mailed on application, and our Trade Price List of Vegetable and Flower Seeds to seed dealers.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

Worcester, Mass.

TRADE HOLDS UP WELL AND STOCK IS PLENTIFUL.—CARNATIONS OF SUPERIOR QUALITY.—NOTES OF VARIETIES.—LIBERTY DOES WELL.

As yet Lent has not made much difference in trade in general and, although cuts are heavy there is no alarming surplus. The quality of the flowers that we are now getting is extra fine, especially so in carnations. Marquis is being done very well and is the best selling variety in this vicinity, scoring on the other varieties on account of its fragrance, a point which the hybridizers do not make enough of. Lawson is splendid and still holds its reputation as the high priced beauty. In white Lorna is queen, but we are only getting it in limited quantities. White Cloud, Flora Hill and Peru are what we depend on for quantity. Morning Glory and Daybreak are running neck and neck. Daybreak is still as good as any of its color. Roosevelt, Maceo and Gomez are the standard crimson and Crane is the best scarlet we have yet found.

In roses Liberty has more than equalled its last year's reputation and is now in the Bride and Bridesmaid class. These three, with the addition of Perle, are the standard roses, Beauty not being grown in this vicinity.

Easter crops are looking fine and the percentage of diseased lilies is not very large compared to other reports.

Violets are more popular than ever for street wear. A. H. L.

Marietta, O.

A. C. Ludicke, formerly in business at Parkersburg, W. Va., is now grower for J. W. Smith, who has a fine business here. He grows a general stock for a retail trade. His roses, carnations and Easter lilies are in splendid shape. The funeral of Mrs. Childs, recently, used up all the cut flowers in town and Mr. Smith sent a nice order to Chicago for supplies. The stock arrived in fine shape.

Mrs. Norval Kaiger has a nice little place and everything is looking well.

Anton Schoepen is cutting some nice roses and carnations.

Schramm Brothers have a snug range of houses. L.

AURORA, ILL.—The Natural Guano Company suffered a considerable loss by fire in their fertilizer works February 22, but will at once rebuild.

GOLD MEDAL GLADIOLI

Groff's Hybrid Gladioli Received the Gold Medal and Thirteen First Awards at the Pan-American Exposition. I have the Latest and only Complete Collection of GROFF'S HYBRIDS in the United States, and control over Seventy-five per cent. of all Stock Grown and Introduced by Mr. Groff. Write for catalogue.

ARTHUR COWEE, GLADIOLUS SPECIALIST, MEADOWVALE FARM, BERLIN, N. Y.

ROOTED CUTTINGS

Estelle, $5.00; Lawson, $1.00; Marquis and Elm City, $2.00; Crocker and Lord, $1.00 per 100. Other varieties on application.

Genistas, bushy plants for Easter, 6-in. pots, $4.50 per doz.

DANA R. HERRON, OLEAN, N. Y.

MRS. FISHER CARNATIONS For Summer Blooming, now ready, in 2-inch.

Also have CRANE, CROCKER, JOOST, SCOTT, MARY WOOD, HOOSIER MAID and McGOWAN. Write

GEO. A. KUHL, PEKIN, ILL.

SWEET PEAS, VALLEY, VIOLETS, CARNATIONS, HARRISII, CALLAS, TULIPS

and any other kind of flowers.

HOLTON & HUNKEL CO.,

457 Milwaukee St., Milwaukee, Wis.

SWEET PEAS

FRESH STOCK, 1902.

	Oz.	Lb.
Blanche Burpee, pure white	.5	.30
Blanche Ferry, pink and white	.5	.25
Lady G Hamilton, azure blue	.5	.40
Salopian, brilliant scarlet	.5	.25
Mont Blanc	.20	1.50
Earliest of All	.5	.40
Lovely	.5	.30
McCullough's Premier Mixed	.5	.35

MUSHROOM SPAWN, English Mill-track, fresh stock, $7 per 100 lbs.

CUT FLOWERS AT WHOLESALE.

J. M. McCULLOUGH'S SONS

316 & 318 Walnut St., Cincinnati, O.

Park Architects and Dealers

will find whatever they want in the

Holland Nurseries, DeBilt near Utrecht

HOLLAND.

SPECIALTIES ARE: Conifers, Evergreens, Hardy Shrubs, Lilacs, Ornamental Trees, Fruit Trees in different forms, Azaleas, Rhododendron Ponticum and Hybridum.

Please send list of your wants and write for general catalogue. We will make you special offers. Write to

GROENEWEGEN & ZOON,

De Bilt, near Utrecht, Holland.

ROBT. CRAIG & SON,

Roses, Palms

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

GERANIUMS IN BUD and BLOOM Now ready, the best varieties in red and scarlet (mostly John Doyle). Double and single mixed, in 3 in. pots, need shifting, 50 per cent in bud and bloom, flowers strong and brilliant, foliage nicely zoned, $4 per 100; quantities, more or less, same rates. These are fine plants, clean, healthy and strong, grown in a sunny house built for geraniums. G. P MOORE, OCEAN CITY, N J.

ROOTED CUTTINGS OUR SPECIALTY—Verbenas, all standard named kinds, 60c per 100; $5.00 per 1000. Heliotrope, 14 named varieties, $1 00 per 100; $8.00 per 1000. Petunias, 24 varieties, $1 25 per 100. Salvias, 5 varieties, $1 00 per 100. Ageratums, 5 varieties, 60c per 100. Coleus, 34 varieties, 60c per 100; $5.00 per 1000. Alyssum, $1.00 per 100. Express prepaid on all Rooted Cuttings. Satisfaction guaranteed. Cash with order. Write—

S. D. BRANT, CLAY CENTER, KAN.

TELEGRAPH CODE OF THE AM. SEED TRADE ASSOCIATION

$2.00,

in either stiff or flexible cover. ADDRESS ORDERS TO AMERICAN FLORIST CO., CHICAGO.

WHOLESALE PRICE LIST of Cut Flowers.

BEAUTIES.		
Stems, 36 inches, per doz.,		$4.00
" 30 " "		3.50
" 24 " "		3.00
" 20 " "		2 00
" 15 " "		1.50
" 12 " "		1.00
" 6 to 8 in. per 100, $6 00		8.00
	Per 100	
BRIDES and MAIDS	$5 00 to	$8 00
METEORS	4.00 to	8 00
GOLDEN GATE	4.00 to	8.00
PERLE	3 00 to	6.00
CARNATIONS	1.00 to	1.50
" fancies	2 00 to	3.00
VIOLETS, double	.40 to	1 00
" single	.50 to	.75
MIGNONETTE, per doz.	.35 to	.50
DALLAS per doz	1.25 to	1.50
HARRISII, per 100	10.00 to	12 50
VALLEY	2.00 to	3.00
" Special		4.00
TULIPS	3 00 to	4.00
DAFFODILS	2.00 to	3 00
ROMANS	2 00 to	3 00
PAPER WHITES	2 00 to	3.00
FREESIAS	2 00 to	3.00
ASPARAGUS PLUMOSUS, per string	.65 to	.75
ASPARAGUS SPRENGERI, per 100	3 00 to	4.00
ADIANTUM	1.00 to	1.50
SMILAX, per doz.		1.75
LEUCOTHOE, per 100		.75
GALAX, per 1000, $1.00		.15
FERNS, per 1000, $2.00		.25

KENNICOTT BROS. CO.

WHOLESALE COMMISSION FLORISTS,

42-44 Randolph St., Chicago.

Roses Brides, Maids and Golden Gates, 2½-inch stock in fine condition. $2.25 per 100; $18 per 1000. Ready for delivery.

West View Floral Co., Knightstown, Ind.

Get the BEST.

ROOTED CARNATION CUTTINGS

Cheap Cuttings are Dear at any Price.

INTRODUCTIONS OF 1902.

	Per 100	1000
GOV. WOLCOTT, (Fisher), white	$10	$80
ENQUIRER, (Witterstaetter), light pink	12	100
MRS. E. A. NELSON, (Nelson), glistening pink, $2.50 per dozen	10	80
J. H. MANLEY, (Cottage Gar.), orange scarlet	12	100
H. FENN, (Cottage Gardens), crimson	$12	$100
VIOLA ALLEN, (Cottage Gar.), variegated	12	100
VIOLANIA, (Cottage Gardens), variegated	12	
CRESSBROOK, (Warburton), bright pink	10	80
GAIETY, (Hill), variegated	10	75

FANCY CARNATIONS.

	Per 100	Per 1000
PROSPERITY, variegated	$6.00	$50 00
MRS. G. M. BRADT, variegated	3.00	25.00
NORWAY, white	6.00	50.00
LORNA, white	5.00	40.00
WHITE CLOUD, white	2.00	15.00
MRS. T. W. LAWSON, pink	4.50	40.00
MRS. FRANCES JOOST, pink	2.00	12.50
IRENE, pink	5.00	40.00
MORNING GLORY, light pink	$3.00	$25.00
MARQUIS, light pink	3.00	25.00
MERMAID, light pink	3.00	25.00
GOV ROOSEVELT, crimson	6.00	50.00
GEN. MACEO, crimson	2.00	15.00
ESTELLE, scarlet	6.00	50.00
G. H. CRANE, scarlet	2.50	20 00
GOLDEN BEAUTY, yellow	8.00	75.00
ELDORADO, yellow	2.50	20.00

All of our cuttings are well rooted and free from disease. Let us figure on your wants. Discounts on large quantities. BLOOMS SHIPPED FROM GREENHOUSES TO ALL POINTS ON SHORT NOTICE. SEND IN YOUR ORDERS. Upon application, we will mail our catalogue.

J. D. THOMPSON CARNATION CO.

JOLIET, ILLINOIS.

The GUARDIAN ANGEL FLORIST, Chicago.

PRICE LIST of Rooted Carnation Cuttings.
NEW AND STANDARD VARIETIES.

The Guardian Angel is the best commercial pink carnation in the market to-day. It is a good keeper; its growth is strong and vigorous; it never bursts and is never off crop. Received 1st prize at Horticultural Exposition and first-class Certificate of Chicago Florists' Club for best pink. Rooted cuttings, $2.00 per 100, $15.00 per 1000.

NEW VARIETIES	Per 100	Per 1000
PROSPERITY, white overlaid with pink	$6.00	$50.00
QUEEN LOUISE, white	5.00	40.00
BON HOMME RICHARD, white	5.00	40.00
IRENE, pink	5.00	40.00
GENERAL LIST		
FLORA HILL, white	1.25	10.00
WHITE CLOUD, white	1.25	10.00
MRS. LAWSON, pink	4.00	35.00
MARQUIS, pink	1.50	12.00
ESTELLE, scarlet	6 00	50.00
G. H. CRANE, scarlet	2.00	15.00
MRS. BRADT, variegated	2.50	20.00
ARMAZINDY, variegated	1.25	10.00

THE GUARDIAN ANGEL FLORIST,
401 Devon Avenue, Sta. Y. CHICAGO.

CARNATIONS.

NOVELTIES for 1902

Yellow.

GOLDEN BEAUTY ..... $10.00 per 100, 75.00 per 1000
DOROTHY WHITNEY .... 12.00 per 100, 100.00 per 1000

Crimson.

HARRY FENN ..... 12.00 per 100, 100.00 per 1000
GOV. ROOSEVELT ..... 6.00 per 100, 50.00 per 1000

Pink.

MRS. E. A. NELSON .... 10.00 per 100, 75 00 per 1000
CRESSBROOK ..... 10.00 per 100, 75 00 per 1000
MRS. LAWSON ..... 4 50 per 100, 40.00 per 1000
MORNING GLORY ..... 3.00 per 100, 25.00 per 1000
WM. SCOTT ..... 1.50 per 100, 12.50 per 1000

Whites.

ALBA ..... 12 00 per 100, 100.00 per 1000
LORNA ..... 6.00 per 100, 50.00 per 1000
NORWAY ..... 6 00 per 100, 50.00 per 1000
QUEEN LOUISE ..... 5.00 per 100, 40.00 per 1000
LIZZIE McGOWAN ..... 1.50 per 100, 12.50 per 1000

Standard Varieties.

Variegated.

VIOLA ALLEN ..... 12.00 per 100, 100.00 per 1000
STELLA ..... 12.00 per 100, 100.00 per 1000
VIOLANIA ..... 12.00 per 100
GAIETY ..... 10.00 per 100, 75.00 per 1000
PROSPERITY ..... 6.00 per 100, 50.00 per 1000
MRS. G. M. BRADT ..... 3.00 per 100

Scarlet.

JOS. H. MANLEY ..... 12 00 per 100, 100.00 per 1000
MRS. POTTER PALMER 12.00 per 100, 100.00 per 1000
CHALLENGER ..... 10.00 per 100, 75.00 per 1000
APOLLO ..... 12.00 per 100, 100.00 per 1000

These prices are for strong, selected rooted cuttings.

The COTTAGE GARDENS
QUEENS, L. I.

50,000 Rooted CARNATION CUTTINGS

to dispose of yet; all well rooted and free from disease.

	Per 100	Per 1000
Queen Louise	$5 00	$40.00
Flora Hill, Daybreak	1.25	10.00
Crane, America, Crocker	1.50	12.00
Lippincott, Melba	1.25	10.00
Lizzie McGowan	1.25	10.00
White Cloud	1.50	12.00

5000 BRIDESMAID ROSES, in 2½-inch pots, $2.00 per 100; $20.00 per 1000.

Special prices on large orders. Cash with order.

MERCER FLORAL CO.,
TRENTON, N. J.

CARNATION CUTTINGS.

Marquis, Crane, Maceo, Bradt, Norway and Prosperity. What have you to exchange for them.

FRED J. KING, OTTAWA, ILL.

ROSES

Crimson Rambler
Climbing Clothilde
Soupert.

Ramblers, 3 to 4½ ft., well branched ... $10 per 100
" 2½ to 3 ft., " " ... 8 per 100
" 1½ to 2½ ft., " " ... 6 per 100
Soupert, strong field-grown plants ..... 15 per 100

The Conard & Jones Co, West Grove, Pa.

Detroit.

TRADE CONTINUES ACTIVE BUT STOCK IS IN GOOD SUPPLY.—BEAUTIES ABOUT THE ONLY SHORTAGE.—PLEASURABLE TRIP.

The Lenten season is having no appreciable effect upon trade, which keeps active in spite of the absence of the usual quota of gay events. The exceptionally fine weather is largely responsible for the favorable condition, it being the incentive to the lovers of flowers to seek the great variety of plants which the early spring days bring. Violets are fine, plentiful, and very much in demand. Beauties have been scarce and not much relief is yet in sight, most growers supplying this market being entirely off crop. There is a better supply of Bridesmaids, Brides and Meteors and of good quality, while the supply of carnations is at present a little in excess of the demand. Bulbous flowers are now quite plentiful and of uniformly excellent quality.

There was no meeting of the club last week as the president, vice-president, secretary and other members were absent from the city attending the carnation meeting at Indianapolis. They enjoyed the trip very much and were quite pleased with the proceedings and the grand exhibition of carnations. The side trips to Richmond and New Castle will long be remembered for the great pleasure and especial interest they afforded. The appreciation of Mr. Hill's generous entertainment of the party at his place was manifested by every one present. Geo. A. Rackham, Wm. Dilger, Rob't Klagge, Jno. Carey, Philip Breitmeyer and J. F. Sullivan returned home Friday night, the rest of the party returning Saturday evening.

Chas. Kaichen has retired from the Lake View Floral Company. The firm has given up the operation of the leased greenhouses at Brighton, Mich. Miss Gehrke is still in charge of the retail store in the city.

Louis Schulte, who for some time was in poor health, died of consumption February 18 and was buried in Mt. Elliot Cemetery.

Gus. Knoch, of Woodmere, has the extensive decoration of the big department store opening of Pardridge & Blackwell

Avery Rackham left Sunday night for Summit, N. J., where he will enter the employ of Jno. N. May.

J. F. Sullivan will attend the meeting of the directors of the S. A. F. at Asheville, N. C., March 4.

Miss Anna J. Schulte has the flower booth at the automobile show at Light Guard Armory.

Visitors: Rob't Greenlaw, Boston; Jas. McHutchinson, New York; M. Van Zanten, Holland; Wm. Dykes, New York; Geo. A. Heinl, Toledo; Paul Berkowitz, Philadelphia; Dan'l B. Long, Buffalo.

J. F. S.

ELECTROS...

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO.,
.....324 Dearborn St., CHICAGO.

The Sensational New Rose for 1902.

MRS. OLIVER AMES.

For description, prices, etc, see advertisement in this Paper, January 4th issue.

What the leading Retail Florists of the different cities say of this Rose:

J. H. Small & Sons, New York City, under date of Dec. 6th, writes:

DEAR MR. MAY:—Regarding the rose Mrs. Oliver Ames, of which we have had cut blooms from you, we desire to say that we think very highly of it. The shade of color is most delightful; nothing better could be desired in stem or foliage and as to its keeping qualities we can hardly say enough. Those we had from you Dec. 1st are still good. Yours very truly, J. H. SMALL & SONS.

Chrysanthemums

Some New European varieties of sterling merit, the stock of which WE control for the American Market, and also all the cream of last year's new European varieties, and all the new American varieties of this season's introduction; for those contemplating growing for the shows next fall the above will prove winners

CARNATIONS.

All the NEW and STANDARD Varieties

My Catalogue fully describing the above will be mailed to those not having received it, by sending a postal card to

JOHN N. MAY, SUMMIT, N. J.

THE GRANDEST NEW FORCING ROSE

Souvenir de Pierre Notting

The Best,
The Finest,
The Most
Free Blooming

of all Forcing ROSES, color deep yellow; will be distributed for the first time April, 1902

—BY THE RAISERS—

SOUPERT & NOTTING,

ROSE GROWERS.

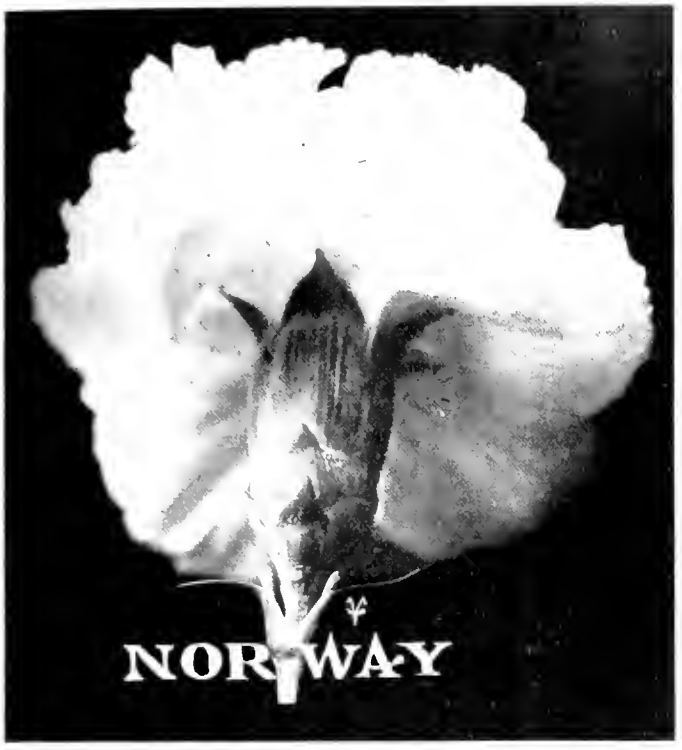
LUXEMBOURG, (Europe).

Net price, $80.00 per 100; $1.00 each. Write for lithographs.

ROOTED CARNATION CUTTINGS.

Why not get the Best? They are the Cheapest.

You don't have to buy 200 to have 100 fit to plant out, when planting time comes. For every 100 we send, you have 101 when ready to plant.
We have the finest and largest stock of NORWAY and ESTELLE in the country.
Stock marked (*), now ready in flats. ☞ Send us a list of your wants for special prices on large lots.



	Per 100	Per 1000
FLORA HILL	$1.75	$15.00
*GENERAL MACEO	1.75	15.00
*MRS. F. JOOST	1.75	15.00
*WHITE CLOUD	1.75	15.00
*WM. SCOTT	1.75	15.00
*AMERICA	1.75	15.00
DAYBREAK	1.75	15.00
ETHEL CROCKER	1.75	15.00
*G. H. CRANE	2.50	20.00
*TRIUMPH	2.00	18.00
GUARDIAN ANGEL	1.75	15.00
*GENEVIEVE LORD	2.00	15.00
*MARQUIS	2.00	17.50
*MRS. G. M. BRADT	2.50	20.00
*CHICAGO	3.50	30.00
GOLD NUGGET	3.50	30.00
*MORNING GLORY	3.00	25.00
LORNA	5.00	40.00
*MRS. T. W. LAWSON	5.00	40.00
QUEEN LOUISE	5.00	45.00
*NORWAY	4.50	40.00
PROSPERITY	6.00	50.00
*GOVERNOR ROOSEVELT	6.00	50.00
ESTELLE	6.00	50.00
DOROTHY	6.00	50.00
CRESSBROOK	10.00	75.00
ENQUIRER	12.00	100.00
MRS. POTTER PALMER	12.00	100.00
MRS. HIGINBOTHAM	12.00	100.00
MRS. E. A. NELSON	10.00	80.00

CANNAS

Strong, Dormant, Two Eyed Roots.

	Per 100	Per 1000
ALLEMANIA	$3.00	$25.00
BURBANK	3.00	25.00
EXP. CRAMPBELL	3.00	25.00
FLORENCE VAUGHAN	4.00	35.00
MDLLE. BERAT	3.00	25.00
PAUL MARQUANT	3.00	25.00
PRES. CARNOT	2.50	20.00
MIXED, ALL COLORS	1.75	10.00

Largest stock in United States of other choice cannas true to name. Write for prices.

GREENHOUSES: WESTERN SPRINGS, ILL. **VAUGHAN'S SEED STORE,** 84-86 RANDOLPH ST., CHICAGO. 14 BARCLAY ST., NEW YORK.

Ivory

or White Golden Gate.

The Best White Rose

$6.00 PER 100.
27.50 PER 500.
50.00 PER 1000.
Ready Now.

W. A. Hammond
107 E. Broad St., Richmond, Va.

Roses! Roses!

American Beauties, Brides, Maids, Perles, Kaiserin, LaFrance, Wootton, Belle Siebrecht and Golden Gate, in 2 and 2½-in. pots; also Rooted Cuttings ready now. This is strong, healthy stock from 2 and 3 eyed cuttings.

Write for prices. Send $1.00 for samples.

J. C. MURRAY,
403 Main St., Peoria, Ill.

Carnation Floriana

We believe this to be the best pink carnation introduced to date, was disseminated in the spring of 1901 by originators, Messrs. Fillow & Banks. Price, $6.00 per 100; $50.00 per 1000. 50 at 100 rate, 500 at 1000 rate. Less than 50, 8c each.

DAILLEDOUZE BROS. Carnation and Chrysanthemum Specialists, FLATBUSH, BROOKLYN, N. Y.

AMERICAN BEAUTY ROSES.

First crop now ready. Strong plants from 2½-in. pots, $6.00 per 100; $50.00 per 1000.

Our young plants of American Beauty are exceptionally fine this year, and we extend a cordial invitation to intending planters to inspect our stock. Orders booked now for Spring delivery and will be filled in rotation.

ROBT. SCOTT & SON, Sharon Hill, Del. Co., Pa.

American Beauties

From 2x3-in. Rose Pots, **$6.00 per 100; $50.00 per 1000.**

JOSEPH HEACOCK, WYNCOTE, near Philadelphia, PA.

Am. Beauties

ROOTED CUTTINGS
READY MARCH 15.
$25.00 PER 1000.

This stock is free from spot, thoroughly rooted and first class in every respect.
If not satisfactory or just as represented by us you can return same at once.

J. A. BUDLONG, 37 and 39 Randolph St., CHICAGO, ILL.

Toronto.

TRADE SHOWS A DECLINE.—STOCK ACCUMULATING BUT PRICES HOLD UP.—BULB FORCERS AT WAR.—GROWERS TO ADD TO GLASS AREA.

Trade has fallen off considerably the past week but, though stock is accumulating, prices remain firm, especially on roses. These are now in elegant shape and some good blooms are in sight for the American Rose Society's meeting. Meteors and Bridesmaids are well colored and with Brides are listed at $12 per hundred. Beauties are becoming more plentiful and better colored. Carnations are very fine but I notice that many of the larger flowers have a tendency to go soft. Violets are very plentiful and Princess of Wales seems to have the preference, doubles seldom being asked for. Bulbous stock is abundant but not as yet in over-supply. Some of the growers are at "loggerheads" about the above stock, wishing to control the market, and prices have been cut so low that Von Sions and tulips are sold at $1.50 per hundred, which leaves little margin if one buys first grade bulbs.

Most of the growers are going to put up additions to their establishments the coming season. J. H. Dunlop, Miller & Sons, Grobba & Wandry and some of the smaller growers will increase their glass area.

Cinerarias, rhododendrons, azaleas, genistas and other pot plants give the stores a spring-like appearance but are not very salable.

The date for the club's carnation meeting will be March 13, and it is expected to excel all former shows. H. G. D.

Cheshire, Conn.

Nettie C. Smith, proprietor of the Cloverleaf Greenhouses, is one of the many women who are doing much to advance the interests of American floriculture. When she embarked in business three years ago Cheshire was without a florist and what very few cut flowers were used were obtained from New Haven. Now flowers are in regular and constant demand for all sorts of occasions, for they are in regular supply. The Cloverleaf Greenhouses contain a good general stock, enough to meet ordinary demands, and the trade is constantly increasing, just as it can be increased in every prosperous community by careful attention to the business.

NEW CARNATIONS.

	Doz.	100	1000
CRESSBROOK	$1.50	$10.00	$75.00
ENQUIRER	3.00	12.00	100.00
FAIR MAID	2.00	10.00	75.00
GAIETY	1.50	10.00	75.00
J. H. MANLEY	2.00	12.00	100.00
HARRY FENN	2.00	12.00	100.00
VIOLA ALLEN	2.00	12.00	100.00
NORWAY		6.00	50.00
FLORIANA		6.00	50.00
ALBA	2.50	12.00	
STELLA	2.50	12.00	
DOROTHY WHITNEY	2.50	12.00	
APOLLO	2.50	12.00	

Also other new and standard varieties.

CHRYSANTHEMUMS.

We offer all of the new varieties of 1902; also the best of 1901. A large number of last year's novelties and leading standard varieties ready now, from 2½-inch pots. Send for List.

Correspondence solicited.

H. WEBER & SONS, OAKLAND, MD.

NOTICE.

Before placing orders for Rooted Carnation and Rose Cuttings and 2½-inch Rose Plants, write your wants to

JOHN BROD, 349 WEST NORTH AVE. **Chicago, Ill.**

CARNATION CUTTINGS

All the new and standard varieties, free from rust and all other diseases. Our stock is in fine shape and all cuttings are well rooted when sent out.

	Per 100	Per 1000
HIGINBOTHAM	$12.00	$100.00
MRS. POTTER PALMER	12.00	100.00
PROSPERITY	4.00	30.00
NORWAY	5.00	40.00
IRENE	3.00	25.00
LAWSON	3.00	25.00
BON HOMME RICHARD	3.00	25.00
HOOSIER MAID	3.00	25.00
CRANE	1.25	10.00
THE MARQUIS	1.25	10.00
GENEVIEVE LORD	1.25	10.00
ARGYLE	1.00	7.50
GUARDIAN ANGEL	1.25	10.00

	Per 100	Per 1000
FRANCES JOOST	$ 1.00	$ 7.50
CERISE QUEEN	1.00	7.50
ETHEL CROCKER	1.25	10.00
TRIUMPH	1.25	10.00
FLORA HILL	1.25	10.00
WHITE CLOUD	1.25	10.00
PERU	1.00	7.50
AMERICA	1.50	12.50
MRS. L. INE	1.50	12.50
MRS. BRADT	1.75	15.00
ARMAZINDY	1.25	10.00
EVANSTON	1.00	7.50

ROSE PLANTS.

2¼-in. pots.	Per 100	Per 1000
BRIDESMAID	$3.00	$25.00
BRIDE	3.00	25.00
KAISERIN	3.00	25.00

2¼-in. pots.	Per 100	Per 1000
PERLE	$3.00	$25.00
GOLDEN GATE	3.00	25.00

ROOTED ROSE CUTTINGS.

	Per 100	Per 1000
BRIDESMAID	$1.50	$12.50
BRIDE	1.50	12.50

	Per 100	Per 1000
GOLDEN GATE	$1.50	$12.50
PERLE	1.50	12.50

All Plants and Rooted Cuttings sold under express conditions that if not satisfactory when received they are to be returned immediately, when money will be refunded.

Write for prices on large quantities.

Peter Reinberg, 51 Wabash Ave., Chicago

Carnation Cuttings...

Well rooted, from clean, healthy stock, cool grown.

	Per 100	Per 1000
ROOSEVELT	$6.00	$50.00
PROSPERITY	5.00	45.00
NORWAY	4.50	40.00
LAWSON	4.00	35.00
LORNA	3.50	30.00
EGYPT	3.00	25.00
MORNING GLORY	2.50	20.00

	Per 100	Per 1000
CRANE	$2.00	$17.50
GENEVIEVE LORD	1.50	12.50
WHITE CLOUD	1.50	12.50
TRIUMPH	1.50	12.50
MME. CHAPMAN	1.25	10.00
FLORA HILL	1.25	10.00
PERU	1.25	10.00

WE SOLICIT YOUR ORDERS AND WILL GUARANTEE SATISFACTION.

GRAND RAPIDS VIOLET CO., Grand Rapids, Mich.

CRESSBROOK. The coming Pink Carnation for everybody to grow.

Baltimore, Feb. 21, 1901, it scored 94 Points, the highest of any seedling. Cressbrook has never shown disease of any kind and is an extra free bloomer. Size of flowers under ordinary culture, 3 to 3½ inches.

Orders will be delivered in rotation on and after Jan. 1, 1902, at the following prices:

12 plants	$ 1.50	250 plants	$25.00
25 plants	3.00	500 plants	37.50
50 plants	5.00	1000 plants	75.00
100 plants	10.00		

C. WARBURTON, FALL RIVER, MASS.

Cressbrook may be seen growing at

THE E. G. HILL CO'S., Richmond, Ind., and at WM. NICHOLSON'S, Framingham, Mass.

New Scarlet Carnation "ORIOLE"

Sure to become the Standard Scarlet Carnation for florists to grow. The freest and earliest scarlet in cultivation; is always in bloom and a healthy grower. Orders booked now for February delivery. Price **$1.50** per dozen; **$10.00** per **100**; **$75.00** per **1000**.

AWARDED GOLD MEDAL AT THE PAN-AMERICAN EXPOSITION.

John B. Goetz, Saginaw, West Side, Mich.

Mrs. Palmer

Certificated at Indianapolis and elsewhere.

Largest, best formed, most prolific and as good a color as any scarlet ever introduced. $12.00 per 100, $100.00 per 1000.

Mrs. Higinbotham

Certificated at Indianapolis and elsewhere.

We can still book orders for a few more thousand of this sterling variety, the best of all light pinks. $12.00 per 100; $100.00 per 1000.

Chicot

Extra large white, beautifully striped in mid-winter, extremely fragrant, finest constitution. More profitable than any standard variety on our place last season, and is doing even better now. $6.00 per 100; $50.00 per 1000.

Elegant Stock.

NOW READY TO SHIP.

	Per 100	Per 1000
BON HOMME, white	$4.00	$30.00
WHITE CLOUD, "	2.00	15.00
FLORA HILL, "	2.00	15.00
NORWAY, "	5.00	40.00
HOOSIER MAID, "	4.00	30.00
LAWSON, pink	4.00	30.00
MARQUIS, "	2.50	20.00
SUNBEAM, "	3.00	25.00
IRENE, "	4.00	30.00
CROCKER, "	2.00	15.00
JOOST, "	2.00	15.00
MORNING GLORY, pink	3.00	25.00
G. LORD "	2.00	15.00
CRANE, scarlet	2.00	15.00
ROOSEVELT, crimson	6.00	50.00
MACEO, "	2.00	15.00
GOMEZ, "	2.00	15.00
BRADT, variegated	2.50	20.00
NYDIA, "	3.00	25.00
OLYMPIA, "	2.50	20.00
GOLD NUGGET, yellow	3.00	25.00
PROSPERITY, from soil	5.00	40.00

All new varieties at introducer's prices.

Chicago Carnation Co.

JOLIET, ILL.

All The Best CARNATIONS

Cressbrook (Pink), Mrs. Palmer (Scarlet), Mrs Higinbotham (Pink), Mrs. Nelson (Pink), Oriole (Scarlet), Alba (Large White), Stella (Variegated), Dorothy Whitney (Commercial Yellow) and Apollo (Scarlet) at introducers' prices.

	Per 100	Per 1000
Estelle, Best Scarlet	$5.00	$40.00
Norway, Large White	5.00	45.00
Prosperity, Fancy	6.00	45.00
Queen Louise, White	5.00	45.00
Dorothy, Productive Pink	5.00	45.00
Morning Glory, Lt. Pink	2.50	20.00
Marquis, Largest Pink	2.50	20.00

Fine stock of rooted cuttings of above and twenty-five other kinds. Get our prices on what you need.

GEO. HANCOCK & SON,

GRAND HAVEN, MICH.

WANTED,

300 Hermosa Roses

in 2 or 2½-inch pots.

John Brust, 918 W. MOUND ST., COLUMBUS, OHIO.

ROOTED CUTTINGS

CARNATIONS.

	Per 100	Per 1000
MRS. POTTER PALMER	$12.00	$100.00
MRS. HIGINBOTHAM	12.00	100.00
PROSPERITY	4.00	30.00
NORWAY	5.00	40.00
IRENE	3.00	25.00
MRS. LAWSON	3.00	25.00
MARQUIS	1.25	10.00
G. H. CRANE	1.25	10.00
FLORA HILL	1.25	10.00

	Per 100	Per 1000
MRS. JOOST	$1.00	$6.00
WHITE CLOUD	1.25	10.00
EVANSTON	1.00	6.00
MRS. INE	1.25	10.00
WM. SCOTT	1.00	6.00
GENEVIEVE LORD	1.25	10.00
ETHEL CROCKER	1.25	10.00
GUARDIAN ANGEL	1.25	10.00
ARGYLE	1.00	6.00
AMERICA	1.25	10.00

ROSES.

	Per 100	Per 1000
METEOR	$1.50	$12.50
PERLE	1.50	12.50
BRIDE	1.50	12.50

ROSES.

	Per 100	Per 1000
BRIDESMAID	$1.50	$12.50
GOLDEN GATE	1.50	12.50

ROSE PLANTS from 2½-in. pots.

	Per 100	Per 1000
METEOR	$3.00	$25.00
PERLE	3.00	25.00
BRIDE	3.00	25.00

	Per 100	Per 1000
BRIDESMAID	$3.00	$25.00
GOLDEN GATE	3.00	25.00
KAISERIN	3.00	25.00

The above named stock is clean, well rooted and free from disease.

GEO. REINBERG, 51 WABASH AVENUE, CHICAGO.

ROSES...

Orders taken for a limited amount of the following:

BRIDES, Rooted Cuttings	$1.50 per 100;	$12.50 per 1000
MAIDS, " "	1.50 "	12.50 "
METEOR, " "	1.50 "	12.50 "
AMERICAN BEAUTY, 2½-inch pots		$6.00 per 100

All cuttings to be rooted to order and wood taken from highest grade, strong stock.

SOUTH PARK FLORAL CO., NEW CASTLE, IND.

CARNATION CUTTINGS

Well Rooted, Clean Healthy Stock.

	Per 100	Per 1000
PROSPERITY	$5.00	$35.00
NORWAY	4.00	35.00
LAWSON	3.50	30.00
CRANE	1.50	9.00
AMERICA	1.50	9.00

	Per 100	Per 1000
FLORA HILL	$1.50	$9.00
WHITE CLOUD	1.50	9.00
TRIUMPH	1.50	9.00
SPORT (Guardian Angel)	1.50	9.00
MARQUIS	1.50	9.00

QUEEN LOUISE, $4.50 per 100; $40.00 per 1000.

All Rooted Cuttings sold under express condition that if not satisfactory when received they are to be returned immediately, when money will be refunded.

WIETOR BROS., 51 WABASH AVENUE, CHICAGO.

Wholesale Growers of Cut Flowers.

The Three Grandest New Roses

IN THE MARKET.

PERLE VON GODESBERG Yellow sport from Kaiserin $4.00 each; 10 for $30.00

FRAU PETER LAMBERT PINK KAISERIN, $3.50 each; 10 for $30.00

WILHELM HARTMANN IMPROVED PAPA GONTIER, $1.00 each; 100 for $70.00

All three are the finest forcing and cutting Roses and will give highest satisfaction to growers and retailers. All orders will receive best attention.

P. LAMBERT, - TRIER, GERMANY.

St. Louis.

SUN HAS INVIGORATING EFFECT ON PRODUCTION. — CUTS INCREASED. — PRICES FALL. — STOCK IN MARKET.— VARIOUS NOTES OF LOCAL INTEREST.

The bright and warm weather that we have been having of late is beginning to tell on the market, as the supply of all stock is on the increase and prices are falling. The best roses still bring as high as $8 but other grades are to be had at $3. Some very fine Brides and Bridesmaids are to be seen and also a few American Beauties. These are still in very limited supply but prices are reasonable. Some very fancy carnations are being sent in. This market does not seem to be very good for double violets, as very few are sold and these at low prices. Californias have taken their place entirely. These are plentiful and the prices are falling fast. Some very fine sweet peas are bringing from 40 cents to 50 cents per hundred. Bulbous stock, with the exception of Dutch hyacinths, which bring $3 and $5, is sold at from $1.50 to $2 Von Sions were somewhat of a drug on the market last week.

Geo. E. Kessler, the landscape architect of the World's Fair, is back from a two months' trip through Europe and the work of removing and transplanting the large trees will soon begin. His assistant has been here some time and has all the trees marked as to their value and the position they are to go to. The contract of moving the large trees has been let to a Detroit firm.

E H. Michel had a very fine decoration at the Columbia Club last week. One quite novel idea was serving strawberries in calla lilies. The pistil was removed and the flower cut short and placed in a small pot with a calla leaf back of it.

A. Jablonsky intends to give up his retail store at Wellston and work entirely at the greenhouses. R. J. M.

Pennsylvania Horticultural Society.

The regular meeting of the Pennsylvania Horticultural Society was held at Horticultural Hall, Philadelphia, on February 18. The final arrangements for the spring show, March 18, were completed, some $500 in cash premiums being provided. The presence of a good orchestra and plenty of advertising ought to make it a success. The exhibits in competition were Primula obconica, cyclamens and hothouse tomatoes, all well grown. The Samuel Bodine prizes for best pair of Primula obonica went to John Thatcher and Ernest Wankler; for best pair of cyclamens to Wm Fowler and Geo. Robertson. The Henry F. Michell prizes for hothouse tomatoes went to Robert Forrest and John McCleary.

FRANCIS CANNING.

CARNATIONS

Well rooted, clean, healthy stock. Early struck cuttings make best plants.

	100	1000		100	1000
Roosevelt	$6.00	$50.00	Maceo	$2.00	$17.50
Prosperity	6.00	50 00	White Cloud	1.50	12 50
Lorna	6.00	50 00	Flora Hill	1.50	12 50
Norway	5.00	40 00	Joost	1.50	12.50
Irene	5 00	40.00	E. Crocker	1.50	12.50
Lawson	4.00	35.00	America	1.50	12.50
Marquis	2.50	20.00	G. Lord	1.25	10.00
M. Glory	2 50	20.00	Triumph	1.25	10.00
Gomez	2 00	17.50	Scott	1.00	8.00
Bradt	2.00	17.50	Daybreak	1.00	8.00
Glacier	2.00	17.50			

250 at 1000 rates; 25 at 100 rates. Cash or C. O. D.

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

Please mention the American Florist when writing.

Carnation Cuttings

Perfectly Healthy. Propagated From Choice Stock. NOW READY.

Queen Louise.

The Best White Commercial Carnation, **$5.00** per Hundred; **$40.00** per Thousand.

	Per 100	Per 1000
PROSPERITY	$6.00	$50.00
MRS. THOS. LAWSON	4.00	35.00
GOV. ROOSEVELT	6 00	50.00
HOOSIER MAID	4.00	
IRENE	4.00	
NORWAY	4.00	
EGYPT	4.00	
MRS. BERTRAM LIPPINCOTT	3.00	25.00
MARQUIS	2.50	20.00
MRS. G. M. BRADT	3.00	
CHICAGO	3.00	
MACEO	2.00	
BUTTERCUP	4.00	

	Per 100	Per 1000
GOMEZ	$2.00	
CROCKER	1.50	$12.50
GENEVIEVE LORD	1.50	12.50
G. H. CRANE	2.00	15.00
VICTOR	2.00	
WM. SCOTT	1.50	12.50
DAYBREAK	1.50	12.50
ELDORADO	1.50	12.50
JUBILEE	1.50	12.50
FLORA HILL	1.50	12.50
TRIUMPH	1.50	12.50
PORTIA	1.50	12.50
WHITE CLOUD	1.50	12.50

J. L. DILLON, Bloomsburg, Pa.

CARNATION CUTTINGS.

We are in a position to supply strictly clean, healthy, well rooted Carnation Cuttings. All the novelties and standard sorts. Whatever your wants, let us quote prices before you place an order. We can interest you. Also on

Violet Plants

LADY CAMPBELL violets, sand rooted cuttings, $8 per 1000.

SWANLEY WHITE violets, sand rooted cuttings, $10 per 1000.

LADY CAMPBELL plants from 2-in. pots, $25 per 1000.

SWANLEY WHITE plants from 2-in. pots, $30 per 1000.

Remember that when it comes to

Wire Work

we can **Discount Any** list you ever saw, **Our Own** included. Write.

KENNICOTT BROS. CO.

WHOLESALE COMMISSION FLORISTS,

42-44 Randolph St, Chicago.

It is not much trouble to mention the AMERICAN FLORIST when corresponding with an advertiser.

HEADQUARTERS for EASTER PLANTS

BLOOMING EASTER WEEK.

I have the largest stock in Philadelphia; 7 large houses and some hot beds, are crowded with them. Secure your supply by ordering now.

AZALEA INDICA

As I am agent for a large concern in Belgium and being a large importer of these choice Easter plants, I can sell you these direct at first hand and not through a middleman. Mme. Van der Cruyssen is a rare article this Easter. I was fortunate enough to get all this variety in Belgium I wanted and can offer you plants at the following prices: 5-in. pots, 40c to 50c; 6-in. pots, very bushy and large, fine shape, 75c to $1.00; specimens 7 and 8-in. pots, $1.25 and $1.50 each; extra choice specimens, very large, can't be beat, 9 and 10-in. pots, $3 50, $4.00, $5.00 each. Other varieties of Azaleas, such as Bernard Andre Alba, (white), also other white, Princess of India, Prof. Wolters, and other varieties of my own selection, 6-in. pots, 50c, 60c, 75c, $1.00 each; larger plants from $1.25 to $1.50 each. Also 5-in. pots, 40c each.

Cineraria—I have an immense quantity, best colors, 5½ and 6-in. pots, $3.00 to $4.00 per doz.

Spiræa Compacta and Floribunda, perfect jewels, 5½ and 6-in. pots, $3.00 to $4.00 per doz

Hydrangea Otaksa, 6-in. pots, $3.00 to $4 00 per doz.; 7-in. pots, 60c, 75c and $1.00 each.

Begonia, Pres. Carnot, Metallica and other good varieties, 5½ and 6-in. pots, $3.00 to $4.00 per doz.

Begonia Vernon, very fine, red, large, 4-in. pots, $1.50 per doz. Other good mixed varieties, 4-in. pots, $1.20 per doz.

Daisies, (white), Marguerite, 5½ and 6-in. pots, very bushy, $3.00 to $4.00 per doz.

Yellow Daisies, 5½ and 6-in. pots, $3 to $4 per doz.

Lilium Harrisii, raised from Henry F. Michell's selected 7-9 bulbs, ($100 per 1000) fine plants, 6-in. pots, from 5 to 10 buds to a plant at the rate of 10c per bud. No Lilies sold by themselves—other plants must accompany the order.

Dracæna Bruanti, 6-in. pots, 25 inches high, very fine, 60c.

Dracæna Indivisa, (imported), very large for decoration, 7-in. pots, 75c to $1.00 each.

Hyacinths, my own importation, raised from the finest named bulbs, all colors, 4-in. pots, $10 a 100.

Tournesol Tulips, (double red and yellow striped), 3 in a pot, $1.50 per doz. pots. Belle Alliance, (single), scarlet striped, 3 in a pot, $1.75 a doz pots.

Daffodils, (Von Sion), 3 in a 5-in. pot, $1.50 to $1.75 per doz. pots.

Azalea Mollis, 6-in. pots, 50c each.

Cash with order please. Money can be sent safely by postoffice or express money order or bank draft. All goods shipped at purchaser's risk.

A few of many references:

Henry F. Michell, 1018 Market St., Philadelphia.

Thos. Logan, head gardener to W. L. Elkins, Jr., Ashbourne, Pa.

Geo. Huster, head gardener of the Girard College, Philadelphia, Pa.

Wm. Kleinheinz, head gardener to P. A. B. Widener, Esq., Ogontz, Pa.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Pot Plants,

1012 Ontario Street, Philadelphia, Pa.

30,000 YOUNG ROSES in 2x2½, 2½x3-in. and 3-in. pots. Also Rooted Cuttings. ROSES—Meteors, Brides, Maids, Kaiserins, Perles, Am. Beauties, Liberty, Golden Gate, La France, Belle Siebrecht. We believe in shifting Young Roses. All stock offered in 2½-in pots has been shifted from 2-in. and is equal to most stock advertised as 3-in. and when we send it out is well established. The above are now ready to go out and—as we need room—we will make special prices in quantity. Send us a list of what you want and we will give you our figures. Send $1.00 for samples. Write

GEO. A. KUHL, PEKIN, ILL.

Please mention the American Florist when writing.

ROOTED CUTTINGS
of Carnations and Roses.

All Clean, Healthy Stock, Grown Cool.

CARNATIONS.

PINK VARIETIES.	Per 100	Per 1000
MRS. LAWSON	$4.00	$35.00
MARQUIS	3.00	25.00
MORNING GLORY	3.00	25.00
ETHEL CROCKER	2.00	12.50
MRS. F. JOOST	1.50	12.50
WHITE VARIETIES.		
NORWAY	5.00	40.00
WHITE CLOUD	1.50	12.50
FLORA HILL	1.50	12.50
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RED MRS. BRADT	2.50	20.00
G. H. CRANE	2.00	17.50
AMERICA	2.00	15.00
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PROSPERITY	6.00	50.00
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Orders for less than 25 of one variety charged extra. All plants shipped from Hinsdale.

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Absolutely the best and most free flowering Scarlet Carnation ever introduced, large size, splendid color, never bursts, flowers early and all the time. Certificate R. I. Florists' Club; R. I. Hort. Society. Price for strong well rooted cuttings ready now, dozen, $2.00; twenty-five, $3; 50, $5; 100, $10; 1000, $75.

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Rooted Cuttings of all the new 1902 and best standard varieties. Send for price list.

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ETHEL CROCKER ..... $10.00 per 1000
HOOSIER MAID ..... $20.00 per 1000
Write for prices on other leading varieties.

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MORTON GROVE, ILL.

Please mention the American Florist when writing.

CARNATION CUTTINGS, ROSE CUTTINGS
Here you have them. Strong, clean, true to name and right in every respect.

	Per 100	Per 1000
Mrs. Lawson	$4.00	$35.00
Marquis	2.50	20.00
Genevieve Lord	2.00	15.00
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Roosevelt	6.00	50.00
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ROSE CUTTINGS, EVERY PLANT SELECTED.
Brides, Maids, Meteors and Golden Gates, $1.50 per 100, $12.50 per 1000. Roses in 2½-in. pots; stock and prices right. We are headquarters for Chrysanthemum cuttings. Let us know your wants.

Lakeview Rose Gardens, Jamestown, N.Y.

"If you are still looking for a PROFITABLE"
HIGH GRADE
White Carnation
Don't fail to call and see, or investigate the
Gov. Wolcott.

Orders booked now will be filled in strict rotation, commencing Jan. 1st, 1902, and as fast thereafter as stock is ready. Rooted Cuttings from sand, $10 per 100; $40 per 500; $80 per 1000. Send P. O. Money Orders on Norwood, Mass.

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Carnations...

ROOTED CUTTINGS.	Per 100	Per 1000
QUEEN LOUISE	$5.00	$40.00
LORNA	5.00	40.00
G. H. CRANE	2.00	12.50
MORNING GLORY	2.00	15.00
ROOSEVELT	6.00	
ETHEL CROCKER	1.50	12.50
GENEVIEVE LORD	1.50	12.50
DOROTHY	5.00	40.00
PROSPERITY	6.00	50.00
MRS. E. A. NELSON	10.00	80.00
CRESSBROOK	10.00	75.00

My stock is in the best of condition. Estimates given on large orders.

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Wild Rose

The Most Profitable Light Pink Carnation Ever Introduced

A Beautiful Shade of Light Pink.

A HEALTHY GROWER
AN IDEAL PLANT
Continuous Bloomer.

$1.50 per 12, $10 per 100
$65 per 1000.

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SYLVIA A NEW WHITE CARNATION.

As a free and continuous bloomer it beats anything we have ever grown; flowers average 2½ to 3 inches in diameter. Rooted cuttings now ready, $8 per 100; $75 per 1000.

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CARNATIONS
Well Rooted and Healthy.

	Per 100	Per 1000
PROSPERITY, white overlaid with pink	$6.00	$50.00
GOV. ROOSEVELT, crimson	6.00	50.00
QUEEN LOUISE, white	4.00	40.00
BON HOMME RICHARD, white	4.00	30.00
IRENE, pink	4.00	30.00
TRIUMPH, pink	2.00	15.00
WHITE CLOUD, white	2.00	15.00
THOS. W. LAWSON, pink	4.00	35.00
MARQUIS, pink	2.50	20.00
G. H. CRANE, scarlet	2.00	15.00
AMERICA, scarlet	2.00	15.00
MRS. BRADT, variegated	2.50	20.00
GUARDIAN ANGEL	1.75	15.00

MICHAEL WINANDY,
DEVON AVE. AND NORTH ROBEY. **CHICAGO.**

THE MRS. E. A. NELSON

bids fair to become the **Commercial** standard pink carnation. It is an early, free and continuous bloomer and it is sure to do well wherever grown. Orders booked now for delivery latter part of March. For prices, see AM. FLORIST, Feb. 15.

E. A. NELSON,
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California Carnations.

Our cuttings are rooted without fire heat and are strong, hardy and well rooted. They are so far superior in every way to cuttings rooted by fire heat that they should not be mentioned in the same connection. We guarantee safe arrival and satisfaction.

	Per 100	Per 1000
QUEEN LOUISE, white	$4.00	$30.00
MERMAID, fine salmon pink	3.00	20.00
G. H. CRANE, scarlet	1.50	12.00
MRS. F. JOOST, fine pink	1.00	8.00

Giant of California Pansy Plants, 50c per 100; $2.50 per 1,000. Giant of California, transplanted plants, $5 per 1000—100 sent at 1000 rates.

TERMS CASH WITH ORDER.

THE LOOMIS FLORAL CO.,
LOOMIS, CALIFORNIA.

Please mention the American Florist when writing.

Cleveland.

VISITORS TO INDIANAPOLIS AND VICINITY HAVE A PLEASURABLE AND PROFITABLE TRIP.—DISEASE IN THE LILY BULBS—MEETING OF THE CLUB.—TRADE FAIR—STOCK PLENTIFUL.

The Cleveland visitors to the carnation convention have all returned from their round of sight-seeing and are unanimous in saying it was a week well spent, proving both profitable and enjoyable. The thanks of the party are extended to their florist friends of Indianapolis for the royal manner in which they were entertained. All hail to the "Injeanny" boys, their hospitality will long be remembered. What a grand convention it was. Such a magnificant display of carnations was never seen before. The stay-at-homes missed a treat. It does one good to attend such gatherings, to meet so many familiar faces and to hear opinions expressed by the leading lights of the craft, from which a valuable store of information can be gleaned. Quite a number of the "old guard" were conspicuous by their absence. What was the matter with the City of Brotherly Love? The home of the first "President of Pinks" was without representation. Just think of it, a city with nearly a million and a half people without a representative! Poor, old Philadelphia, wake up, and don't get into the Rip Van Winkle class.

The outlook for Easter stock seems promising, the bright weather having helped to push along hydrangeas, lilies and other backward stock. Ramblers promise to be very good, far in advance of former years. Quite a number of diseased lilies are to be seen. Longiflorums seem to be worse than Harrisii. It is becoming a serious question, this lily business. One hardly knows what to buy. The agents all promise healthy bulbs, free from disease. But my candid opinion is they don't know what they are talking about. They have got to take the word of the Japs for it, and they, too, are getting "foxy." It is claimed by some that strictly healthy bulbs are being sent to this country from the Azore Islands, but as the bulb industry on the Islands is in its infancy, little can be said about it.

Business for the past week has been rather slow. As predicted some time ago, a glut of bulbous stock has developed. Roses are becoming more plentiful, quality fine. Smilax is a drug but asparagus is not over plentiful. Single violets are coming in large quantities and sell well. There is no oversupply of carnations yet, good stock selling fairly well.

The regular meeting of the Florists' Club was held on Monday evening last, over twenty members being present. D. Livingston was elected a member. Isaac Kennedy gave an account of what he saw and heard at the carnation convention and other places of interest visited.

ECHO.

NEOLA, IA.—J. W. Miller has found business so good that he is increasing his producing capacity fifty per cent.

Boston Ferns

Fine, strong, young plants, $3.00 per 100; $27.50 per 1000.

Edwin Lonsdale, Wyndmoor, Cheatnut Hill, Pa.

Dreer's Palms!

For RETAILING and DECORATING.

GOLD MEDAL—Pan-American Exposition.....1901
SILVER CUP—Buffalo Florists' Club.....1901
CERTIFICATE OF MERIT—Society of American Florists.....1901

The following sizes and varieties will be found of exceptionally good value.

KENTIA BELMOREANA.

ARECA LUTESCENS.

Inch pots.		Inches high.	Per doz.	Per 100
3	2 plants in a pot	12 to 15	$1.25	$10.00
4	3 " "	15 to 18	3.00	25.00
			Each	Doz.
6	3 " "	28 to 30	$1.00	$12.00
8	3 " "	30 to 36	2.50	30.00

KENTIA BELMOREANA.

Inch pots.		Inches high.	Per doz.	Per 100
3	5 leaves	10 to 12	$2.50	$20.00
4	5 to 6 "	15	4.50	35.00
			Each.	Doz.
6	6 "	24 to 28	$1.25	$15.00
6	6 "	28 to 30	1.50	18.00
7	6 to 7 "	30 to 32	2.00	21.00
7	6 to 7 "	34 to 36	2.50	30.00
8	7 "	36	4.00	48.00

8....4 plants in a pot, well-furnished. 3½ feet high, fine plants, $4.00 each, $48.00 doz.

KENTIA FORSTERIANA.

Inch pots.		Inches high.	Per doz.	Per 100
3	5 leaves	12 to 15	$2.50	$20.00
4	5 to 6 "	15 to 18	4.50	35.00
5	5 to 6 "	18 to 20	6.00	50.00
			Each.	Doz.
6	6 "	28 to 30	$1.00	$12.00
6	5 to 6 "	30	1.25	15.00
6	5 to 6 "	30 to 36	1.50	18.00
7	6 "	30 to 36	2.00	24.00
8	6 "	42	2.50	30.00
8	6 "	42 to 48	3.00	36.00

8....2 to 3 plants in a pot, 3½ to 4 feet high, $4.00 each, $48.00 doz.

PHOENIX CANARIENSIS.

Inch pots,	Inches high.		Each
6	24 to 28	bushy, stocky, plants	$1.25
7	26 to 28	" "	1.75
8	28 to 31	" "	2.00
8	30 to 36	" "	2.50

Inch tubs.	Feet high.		Each
12	3½ to 4	bushy, stocky plants	$6.00
13	4 to 4½	" "	7.50

For the most complete list of Palms and Decorative Stock, as well as all seasonable Florists' Stock, see our current Wholesale List.

HENRY A. DREER,
714 CHESTNUT ST. PHILADELPHIA, PA.

Galax Leaves 30 W. 29th Street The Kervan Co. THE EVERGREEN SPECIALISTS OF N. Y. CITY.

Boston Ferns FOR EASTER We have the largest stock in the West in all sizes; also fine specimen plants. Send for sample order. Asparagus Plumosus and Sprengeri, Cinerarias, Geraniums, red, pink, white and salmon; also Rose Geraniums; Pelargoniums, Petunias, etc., etc. Write us you wants.

GEO. A. KUHL, PEKIN, ILL.

100,000 Pansies.

The Jennings' Strain, extra fine plants, all transplanted, many are fringed and curled, strong plants, $4.00 per 1000, express; 75c per 100 mail. Large plants, $1.00 per 100, by express only. Stock the finest. Grown in cool houses. Seed, $1.00 per pkt. Cash.

E. B. JENNINGS, Lock Box 254, Southport, Conn.
Grower of the Finest Pansies.

Very Large PALMS for EASTER DECORATIONS

Palms from 10 to 15 feet high, 3 to 15 feet spread, at one half their value. Address.

F. J. ULBRICHT, L. B. 113, **Anniston, Ala.**

VINCA VARIEGATA Rooted cuttings, well rooted, $1 per 100; $7.50 per 1000.

FORGET-ME-NOT, true winter flowering, out of 2½-in. pots, $2.00 per 100; $15.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

BEGONIA GLOIRE DE LORRAINE,

2¼-inch pots, $15.00 per 100.

Write for prices on large lots. Stock guaranteed absolutely free from disease.

THOMAS ROLAND, Nahant, Mass.

SPECIALTIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery,
CHRYSANTHEMUMS,
SMILAX, VIOLETS.

In Best Varieties

Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.

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Dormant Roots, 1 to 3 eyes.

	Per 100	Per 1000
Africa	$6 00	
Allemania	2 50	$20.00
Alphonse Bouvier	3.00	
Alsace	4.00	
Asia	5.00	
Austria	2 00	15.00
Beaute de Poitevine	3 50	
Black Beauty	12.00	
Burbank	2 50	20.00
Captain Dragon	6 00	
Chas. Henderson	1.50	
Chevalier Besson	4 00	
Comte de Bouchaud	4.00	
Crimson Bedder	3.50	
Egandale	4 00	
Explorateur Crampbel	4.00	
Fair Persian	4.00	
Florence Vaughan	4.00	
Golden Bedder	3 00	
G. St. Hilaire	3.50	
Italia	1.50	12.00
J. T. Lovett	3 50	
La France	4 00	
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Mme. Monteflore	2.00	15.00
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Morning Star	2 00	15.00
Papa	4.00	
Paul Marquant	2.50	
Philadelphia	5 00	
Queen Charlotte	3 50	
Robusta	2.00	15.00
Rose Unique	4.00	
Secretary Chabanne	4.00	
Souv. de Antoine Crozy	5.00	
Mixed, all colors	1.00	8.00

Pot up Cannas now. Ask for our Special Spring Catalogue.

This offer is made subject to stock being unsold upon receipt of order.

BOBBINK & ATKINS,
RUTHERFORD, N. J.

ASTER PLANTS

Hohenzollern Asters, pure white, delicate rose and crimson, new (Roemer's) last year novelty. Grandest Aster to date. Mammoth size, 7 inches across, double to the center; finest colors. Plants branching, strong stems 18 to 20 inches long, resembling a large Japanese chrysanthemum, unsurpassed for cutting or bedding plants, 60 cents per 100; $5.00 per 1000. Queen of the Market, white, pink, scarlet and mixed. Ostrich Feather Aster, white, pink, crimson, extra fine; upright branching asters, outer petals recurved, center petals incurved. Pure White Daybreak, pink, fiery scarlet and lavender. Late Branching or Semple's, white, rose, pink, lavender, red and mixed. All the above are the best money makers for florists, true to name, assorted to suit. Strong healthy plants from seed bed, 40 cents per 100; $3.00 per 1000.

Lettuce Plants. Grand Rapids, healthy plants, 15 cents per 100; $1.00 per 1000. All the above express prepaid for cash with order.

DES MOINES PLANT CO.,
38th St., Des Moines, Iowa.

Geraniums

An assortment of twenty varieties, all good sellers and all correctly labeled. Rooted cuttings at $12 50 per 1000. Not less than 25 of one sort will be given in the same order.

JEAN VIAUD and M. De CASTELLANE, two exceptionally fine novelties from 2-inch pots, at $5 per 100 or $30 per 1000.

Albert M. Herr, Lancaster, Pa.

Rooted Cuttings.

Alternanthera, strong, red and yellow, 50c per 100. **Coleus**, 25 sorts, 75c per 100. **Ageratum**, Princess Pauline, 50c per 100. **Feverfew**, 65c per 100. Single Salmon Geraniums, 50c per 100. 2-inch stock for cuttings. Coleus, 25 sorts, $1.00 per 100.

RANDOLPH BROS., Delavan, Ill.

Please mention the American Florist when writing.

ARECA LUTESCENS, per doz.—4-in., $3; 5-in. $5; 6-in., $9.
KENTIA BELMOREANA, per doz.—4-in., $4; 5-in., $9; 6-in., $18.
KENTIA FORSTERIANA, per doz.—4-in., $4; 5-in., $9; 6-in., $15.
LATANIA BORBONICA, per doz.—4-in., $3; 5-in., $5; 6-in., $9; 7 in., $10; 8-in., $24.
FICUS ELASTICA, 6-in., $9 per doz.
ARALIA SIEBOLDII, 5-in., $4 per doz.; 6-in., $6 per doz.
PANDANUS VEITCHII, per doz.—5-in., $12; 6-in., $18; 8-in., $36.
NEPHROLEPIS BOSTONIENSIS, runners, $30 per 1000; 2-in., $1 per 100; 8-in., $15 per doz. **NEPHROLEPIS WITTBOLDII**, fine specimens from 8-in. pots, $15 per doz.
ASPARAGUS PLUMOSUS NANUS, from seed bench, $25 per 1000; 2-in., $1 per 100; 3 in., $8 per 100.
FERNS FOR DISHES, Etc., $4 per 100.
FERN BALLS, well furnished with leaves, $5 per doz.

The GEO. WITTBOLD CO.

1657 Buckingham Pl., Chicago.

SHASTA DAISY

EVERYBODY ADMIRES THE LATEST FLORAL WONDER.

White as the snow which forever caps SHASTA'S LOFTY PEAK. Reckless in its profusion of bloom. Hardy and happy everywhere. The people's flower.
FOR CIRCULARS ADDRESS

Burbank's Experiment Farms
SANTA ROSA, CALIFORNIA.

OR ANY PROMINENT SEEDSMAN OR FLORIST.

Dahlias

Mrs. Winters

THE WORLD'S BEST WHITE DAHLIA.

Novelties and Standard varieties. 18 yrs'. experience and have failed of no prize competed for.

See my catalogue before placing your order. Also fine field-grown Hollyhocks at $2.50 per 100. Cannas, Paeonias and Hardy Plants. Cheap mixtures are dear; get the best.

W. W. WILMORE, The Dahlia Specialist,
BOX 382, DENVER, COLO.

California,

We have some choice Hybrid Carnation Seed from Lawson, Crane, Marquis, Cloud and Maceo, 100 seeds 25c. New Giant of California Pansy seeds, very large flowers, trade packet 25c; 1 oz. $4 Giant of California Pansy Plants, ready to transplant, $2.50 per 1000.

MITTING FLORAL COMPANY,
LOOMIS, CALIFORNIA.

CHRYSANTHEMUMS

are our SPECIALTY.
We also offer a complete list of

Carnations, Cannas, Pelargoniums,

Etc. Send for Catalogue.

Nathan Smith & Son, Adrain, Mich.

CANNAS

2, 3 or more eyes, Mme. Crozy, A. Bouvier, Phila., Crimson Bedder, M. Bouchaud, Queen Charlotte, P. Marquant, etc., $2.00 per 100; Duke of Marlborough, Black Prince, new, $3.00 per 100. Finest mixture of all colors, $1.00 per 100.

FOR EASTER! CINERARIAS, Benary & Cannell's Prize Strains, 3 in., $3.50 per 100. **STOCKS**, German dwarf, wall flower-leaved, blue, white, red, each kind, 2-in., $2.00 per 100. Cash please.

Shellroad Greenhouse Co., Grange, Baltimore, Md.

500,000 VERBENAS.

60 finest named varieties, including our **NEW MAMMOTH WHITE, "MRS. McKINLEY."** The finest white verbena grown; perfectly healthy; free from disease. Rooted cuttings, 60c per 100; $5 00 per 1000. Plants, $2.50 per 100; $20.00 per 1000. Our list is the choice of millions of seedlings. Send for circular.

J. L. DILLON, BLOOMSBURG, PA.

PALMS.

HOME-GROWN, FINE, CLEAN STOCK; GROWN COOL.

Write for Price List. **J. B. HEISS,**
The Exotic Nurseries, **DAYTON, OHIO.**

Please mention the American Florist when writing.

GERANIUMS.

Double Grant, Bruanti, Alphonse Riccard, J. J Harrison, Mme. Thibaut, John Doyle, Beaute Poitevine, Mme. Jaulin, Gloire de France, La Favorite, S. A. Nutt, Kelway, Frances Perkins, etc., labeled, from 2½-inch pots, $3 per 100; $25 per 1000. Mixed, my selection, $2.50 per 100; $20 per 1000.

PAUL MADER, East Stroudsburg, Pa.

Alternantheras

P. MAJOR and A. NANA....

Strong rooted cuttings, 50 cts per 100, or $4.00 per 1000.

DAVIS BROS., MORRISON, ILL.

Please mention the American Florist when writing.

Louisville, Ky.

RAYNOR PREPARES FOR THE ERECTION OF THE FINEST RANGE IN THE SOUTH.—DETAILS OF THE PLAN.

Chas. Raynor has bought the entire plant of the Anchorage Rose Company, consisting of 32,000 feet of glass. He will remove the greenhouses to his forty-acre place called Rose View, where he will erect an up-to-date range in every respect. He will use the Garland iron gutter system and, when completed, will have a solid block of 54,000 feet of glass, built in the most substantial manner. The walls of the houses are to be of concrete and the benches of hollow tiles. A new feature will be a subway through the center and under the block of houses, where the boiler rooms, ice cellars, engine room and coal bins will be located, and where there will be a wagon-way so that wagons may drive through from one side to the other. The great convenience of such an arrangement is easy to see. The bottom of the subway will be in solid limestone. The rose houses will be heated by a 100 horse-power boiler and the carnation houses by a fifty horse-power boiler. The glass used is 18x20, double strength.

F. Walker & Company, New Albany, Ind., have purchased the glass to erect a rose house 22x300 and will commence as soon as spring opens. H. G. W.

Springfield, Mass.

TRADE TAKES ON RENEWED ACTIVITY AFTER A BRIEF LULL.—GOOD STOCK IN MANY LINES.—NOTES.

For the first few days in Lent business was poor but now cut flowers of all kinds are in good demand. Funeral work has been exceptionally good and has kept stock from going to waste. All the florists' stores are showing good stock of flowering plants, cut roses, daffodils, tulips and freesias and carnations which are far ahead of former years and sell at from 60 cents to $1 per dozen. Callas are plentiful, good and find ready sale. These were not grown here a few years ago, but owing to the Harrisii and longiflorums being so badly diseased, were taken up again. All stock looks promising for Easter and I think will be on just right.

Adams & Sons are busy working up a good stock of bedding plants, which look well, and for which they have a good demand. A. B.

HAERENS BROS. SOMERGEM, BELGIUM.

Azalea Indica for Fall Delivery, in best sorts, including the beautiful new Haerensiana, from small plants to large specimens. KENTIAS and other palms, for spring and fall, in medium and extra large sizes; all well grown. Address Sole Agents,

August Rölker & Sons,
52 Dey Street, NEW YORK.

Orchids!

Our Illustrated and Descriptive Catalogue of Orchids is now ready and may be had upon application.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

A SPECIALTY Boston Ferns for Easter, $50, $25 and $20 per 100. Excellent Kentias, 6-in, 3 ft., $1.00 each. Asp. Plum. Nanus, 4-in, $1 25 per doz. R. C. Coleus, mixed, 50c per 100; Ver. and G. B, 75c. per 100.

L. H. FOSTER, 45 King St., Dorchester, Mass.

CARNATIONS, PALMS, Etc.

Strong plants, 2¼-in. pots.	Per 100
Prosperity	$4.00
Lorna	4 00
Queen Louise	3 50
California Gold	2 50
Ethel Crocker	2.50
G. H. Crane	2.00
Joost	2.00
White Cloud	2.00

GERANIUMS.

Jean Viaud	5.00
Marquis de Castellaine	5.00
In variety, best bedding s rts	3.00
ROSE GERANIUMS, strong	2.50
CANNAS, all the standard varieties, strong roots	2 50
MOONFLOWER, Ipomœa Grandiflora	3 00
PRIMULA FORBESI	3 00
HELIOTROPES, six varieties	2.00
SELAGINELLA Emiliana	2.00
FUCHSIAS, in good assortment of varieties, 2½-in. pots.	2.50

	Per 100
Areca Lutescens, 2½-in. pots, $3 00 per 100	$1.00
Areca Lutescens, 3-in. pots	8.00
Areca Lutescens, 4-in. pots., 3 plants in a pot	20.00
Kentia Belmoreana, 2½-in. pots	7 00
Kentia Belmoreana, 3 in. pots	15 00
Latania Borbonica, 2½-in. pots	3.00
Latania Borbonica, 3 in. pot, $40 per 1000	5 00
Pandanus Utilis, 2½-in. pots	5.00
Pandanus Utilis, 4 in pots	15.00
Pandanus Veitchii, 4-in. pots, $6.00 per doz.	
	Per 100
ASPARAGUS PLUMOSUS, 2½-in.	$4.00
ASPARAGUS SPRENGERI, strong, 2½-in.	2 00
ASPARAGUS SPRENGERI, strong, 3-in.	3.00
SPIRAEAS, Nana Compacta Astilboides, Floribunda and Japonica at	3.50
AZALEA MOLLIS, fine for Easter	35.00
TUBEROUS ROOTED BEGONIAS, single, separate colors	3.00
TUBEROUS ROOTED BEGONIAS, double, separate colors	6.00
GLOXINIAS	4.00

The Storrs & Harrison Co.
PAINESVILLE, OHIO.

ROOTED CUTTING LIST

NOW READY FOR SHIPMENT.

	Per 100	Per 1000
Marguerites	$ .75	$ 6.00
Heliotrope, 4 varieties	.60	5.00
English Ivy	2.00	18.00
Pyrethrum, double white	1.00	8.00
Achyranthes, 4 varieties	1.00	8.00
Salvia, 4 varieties	.60	5.50
Ageratum, 6 varieties	.60	5.00
Alternanthera, 4 varieties	.75	6 00
Fuchsias, 3 varieties	1.25	10.00
Abutilons, 12 varieties	2.00	18.00
Coleus, 75 varieties, named	.75	6.00
" not named	.60	5.00
" Verschaffeltii, red	.60	4.50
" " golden	.60	4.50

	Per 100	Per 1000
Coleus, Golden Bedder	.60	4.50
" Brilliancy	8 00	

Boston Ferns Strong, bushy, well grown stock for immediate shipment.

	Per 100	Per 1000
2¼-inch pots	$2.50	$22.00
2½-inch pots	3.00	28.00
3 -inch pots	6.00	55.00

PTERIS TREMULA, 2¼-inch pots, per 100, $2.00; 2½-in. pots, per 100, $3.00; 3-in. pots, per 100, $5.

For list of varieties see AMERICAN FLORIST of Nov. 9. If wanted by mail add 15c per 100. Samples by mail 25c.

☞ All the above sold on the positive guarantee of their being first-class, if not, your money at once refunded.

JOHN IRVINE & SONS, Bay City, Mich.

GERANIUMS

	Per 100
16 fine varieties, 2½-inch pots	$3.00
16 fine varieties, 3-inch pots	4 00
200 Pelargoniums mixed, 2½-in. pots	3 00
150 Asparagus Plumosus, 2-inch pots	3.00
500 Asparagus Sprengeri, 2-inch pots	2.00
Coleus, 15 varieties, 2-inch pots	2.00
Vinca Var., 2-inch pots	2.50
Pansy Plants, from seed beds, 1000, $3	.50

CASH OR C. O. D.

J. H. CUNNINGHAM, Delaware, O.

VERBENA KING

Rooted Cuttings now ready. Express prepaid.

	100	1000
Verbenas, named,	$ .60	$5.00
Daisies, white and yellow	1.00	8.00
Heliotrope, 12 var.	1.00	6.00
Smilax, strong plt	1.50	
Salvias, 4 best vars. named, Rooted Cuttings	1.00	8.00

Big Boston and Plumosus in 4 inch pots, write. That cash or C. O. D.

C. Humfeld, Clay Center, Kas.

Please mention the American Florist when writing.

New Geraniums FOR 1902

"J. D. Eisele," single, pure wine red. A zonale of most brilliant and new coloring, a splendid bedder, producing an abundance of large trusses.

"James Davidson," single, lavender lilac, a color which has never before been approached, shows almost a distinct blue color eyeolnga. Trusses very large, a fine novelty. 35c each; $3.00 per dozen.

Novelties of former years, assorted and labeled, at $6.00 per 100.

CYCLAMEN GIGANTEUM SEEDLINGS

from the very best German Strain obtainable. Transplanted, $2.50 per 100; not transplanted, $1.75 per 100. Cash please.

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Please mention the American Florist when writing.

AZALEAS, 10 to 12-in., 40 cents each; large plants, 50 cents. CYCLAMENS, 4-in., $8 per 100; CYCLAMENS, 5-in, $1.50 per dozen. CINERARIAS, 4-in., $8 per 100; CINERARIAS, 5-in., $1.50 per dozen. HARRISII LILY PLANTS, 10 cents per bud. OBCONICA PRIMROSES, 4-in., $1.00 per dozen. All the above are guaranteed right for Easter. PANSIES, large transplanted plants, 50c per 100; $3 per 1000.

WHITTON & SONS,
Corner City and Green Sts., UTICA, N. Y.

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SPECIAL

ROOTED CUTTINGS

GERANIUMS.

NOVELTIES: Thos. Meehan, semi-double dark pink; **Levi P. Morton**, semi-double maroon; **Duchess of Orleans**, single oriole; **Ernest Kellway**, semi-double crimson; **J. J. Harrison**, semi-double scarlet, and **Snow Drift**, semi-double white; all winners, $2 50 per 100; $22.50 per 1000.

STANDARDS: S. A. Nutt, E. G. Hill, Beaute Poitevine, Frances Perkins, Mme. Jaulin, Mme. Bruant, LaFavorite and Mme. J. M. Garr, $2.00 per 100; $18.00 per 1000.

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Our superb collection consisting of twelve novelties selected from Henderson's and Dreer's latest sets. Extra Strong Rooted Cuttings, $1.00 per 100; $9 00 per 1000; $40 per 5000. Henderson's celebrated Sea Foam, $1.50 per 100. Send for our special Geranium List.

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A FEW GOOD THINGS YOU WANT.

KENTIA BELMOREANA and FORSTERIANA, special price to reduce stock. 2½-in., 8c; 3-in., 15c; 4-in. 25c; 5-in., 50c 6-in., $1.00. 3, 4, 5-in **ARECA LUTESCENS**, 2 and 3 plants to a pot, same price. These are excellent lot of clean cool grown plants.

BOSTON FERNS, 4c, 8c, 15c, 30c and 50c each.

DRACAENA INDIVISA, 3, 4 5-in., 6c, 10c, 25c each.

CHINESE PRIMULA and CINERARIA fine plants, to close out, 3 and 4-in., 4c and 6c each

GLADIOLUS BULBS, good mixture, $1.00 per 100.

GERANIUMS, 2-in., Bonnat, double and single Grant, La Favorite, S. A. Nutt, Atkinson, Salleroi, $3.00 per 100; Poitevine, M. Barny, Kleber, John Doyle, Jaulin, Riccard, Mrs. E. G. Hill, Perkins, $4.00 per 100.

CARNATIONS, rooted cuttings, Scott McGowan, Portia, $1.00 per 100; E. Crocker G. Lord, Marquis, $1.50 per 100; Prosperity, Lawson, Queen Louise, Florians, $5.00 per 100; Kittatinny, white sport from Daybreak, $3.00 per 100.

ASPARAGUS SPRENGERI, 2-inch, $3.00 per 100; Plumosus, 3-inch, $8.00 per 100. Cash or C. O. D.

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

CANNAS Barbank, Henderson, Mme. Crozy, F. Vaughan, P. Marquant, L. E. Bally, A. Bouvier, J. C. Vaughan, Eyandale, Souv. de Antoine Crozy in variety, started, $2 50 per 100.

ALTERNANTHERAS P. Major, red, R. C., 60c, postpaid. Pot plants, red yellow, pink, $2 00 per 100.

BOSTON FERN 2½-inch, 3c; 3-inch, 8c; 8-inch, $1 00.

Wittboldii, strong, 4-in., 25c; 5-in., 50c; 6-in., 75c. large bench plants for 10-in. pots, $1.00.

Begonias, flowering, in variety, 2½-in., 2½c.

Rosella Multiflora and Elegantissima, 2½-in. 4c.

Vinca Major, strong, fine runners, 2-in., 3c. Cash.

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FANCY OR DAGGER **FERNS** $1.25 PER 1000

GALAX, green or bronze, 75c per 1000. Laurel festooning, 4c, 5c and 6c per yd. Once used, always used for decorating. SPHAGNUM MOSS, etc.

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A FULL SUPPLY CONSTANTLY ON HAND.

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Galax Leaves, Etc.

Per 1000

Choice Bronze and Green, medium size	$ .50
Choice Bronze and Green, large size	.55
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Rhododendron Leaves for festoonings, 50c per 1000

Largest dealer on earth. Cash with first order.

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"PHANTOM BRAND."

No 3, 35c; No 5, 40c; No 7, 63c; No. 9, 75c; No. 12, 85c; No. 16, $1 00; No 22, $1 20; No. 40, $1.40; No. 60, $1 60; No 80, $1 80; No. 100, $2 00. Nos. 3 and 5, all shades—Green, Red, Am Beauty, etc. Nos 3 to 16 in White, Pink and Lavender. Nos 3 to 100 in White and Pink. **Prices and Quality very interesting.**

Hunt's Novel Mattings

Fancy Patterns and striking color combinations, $3.00 per dozen
Plain Patterns, in coarse and fine weaves, - 2.00 per dozen
Send for pad of samples and select just what you want.

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FANCY and DAGGER **Ferns**, $1.50 per 1000.

Discount on large orders.

BRILLIANT BRONZE AND GREEN GALAX, 75c per 1000 in 5000 lots. Satisfaction guaranteed.

SELECTED SOUTHERN WILD SMILAX, $4 and $7 per case. Also **LAUREL FESTOONING**, good and full, 4c, 5c and 6c per yard.

☞ Orders by Mail, Telephone or Telegraph promptly attended to.

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THE

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A Weekly Illustrated Journal.

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The GARDENERS' CHRONICLE has been FOR OVER SIXTY YEARS THE LEADING JOURNAL of its class. It has achieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, the information furnished is of such general and permanent value that the GARDENERS' CHRONICLE is looked up to as the STANDARD AUTHORITY on the subjects of which it treats.

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Wild Smilax

50 LB. CASE	$6.00
35 LB. CASE	4.50
25 LB. CASE	3.50

Galax—Galix —Galox—

Brilliant bronze or green, assorted sizes, **$1.00 per 1000.**

Leucothoe Sprays,	**$1.00 per 100**
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SMALL GREEN GALAX FOR VIOLETS, $1.00 per 1000.

Laurel Roping, 6 cts., 8 cts. and 10 cts. per yard.

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Following Prices after February 1st:

In 1,000 lots	$1.25 per 1000
In 5 000 lots	1.20 "
In 10,000 lots	1.10 "
In 25,000 lots	1.00 "

L. B. BRAGUE, Hinsdale, Mass.

Please mention the American Florist when writing.

Minneapolis.

BRIGHT WEATHER BRINGS ON CROPS RAPIDLY. — EVERYTHING PLENTIFUL BUT VIOLETS.—NOTES.

The bright, sunny days are making a great surplus of carnations, and tea roses are coming in by the thousands. This, with the lull in business caused by Lent, will cause prices to take a most decided drop. Bulbous stock is plentiful, although a brisk demand for Romans has shortened them up somewhat. Violets are scarce, as a good many are throwing them out to plant other stock. Decorations have been few this week, with nothing doing except a heavy funeral trade, making white flowers in demand. The growers now are commencing to give more attention to their Harrisii lilies, and from the general outlook everything is promising. Wild smilax from the south is quite an expensive article by the time it reaches this market, as the express companies charge on gross weight instead of billing through at the net weight the invoices state.

A. T. Shotwell, of Shotwell & Graver, Fargo, N. D., has been in the city looking after Easter novelties. C. F. R.

Paterson, N. J.

NOTHING DOING SINCE THE BIG FIRE.—ALL ENERGIES DEVOTED TO PREPARATIONS FOR REBUILDING.—NOTES.

Since the great fire which destroyed almost the whole of the business section of Paterson on February 8, there has been little doing save clearing away the ruins and making preparations for rebuilding. Mrs. A. B. Murray, who formerly conducted the Clear View Greenhouses, had a building on the main street burned to the ground. She sold the lot this week for $100,000. Ed. Sceery was the only florist who suffered by the fire. He lost the front of his store and his stock was badly wrecked. He went to work at once and has the place all fixed up in better shape than ever. He lost about 300 palms and Boston ferns with no insurance, but his stock was insured.

While the fire was raging Mr. Sceery had some pieces to make for a funeral. He got some of his stock out and made up the designs in a nearby store, while the firemen were pouring water into his place. SILK CITY.

BLOOMINGTON, ILL.—W. T. Hempstead reports a very favorable season, with prospects for a particularly active spring business.

GREENSBURG, PA.—The greenhouses of Jos. Thomas, north of town, narrowly escaped destruction by fire on the night of February 20. The night watchman did quick work with the hose and averted serious loss.

WE NOW OFFER
"Chemicals"
for making LIQUID COMPOST.
Dry powders all soluble in water. Composts cost less than ½c per gal. Correspondence invited.
EASTERN CHEMICAL COMPANY,
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Tobacco Dust
The pure article, fine or coarse as wanted. 50 lbs., $1.00; 200-lb. barrel, $3.00. Sample free.
Money returned if not satisfactory.
Edgar A. Murray, 136 Ash St., Detroit, Mich
Please mention the American Florist when writing.

GEO. M. GARLAND'S
New Pattern
VALLEY GUTTER.
Send for Circulars.
GEO. M. GARLAND, DES PLAINES, ILL.
BAR FASTENED WITH CLIP
Watch for my New Gutter, which I will show in next issue; bars can be fastened anywhere along the gutter, without clips.

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GREENHOUSE SASH AND MATERIAL.
Our Facilities are Unexcelled. 15 Years' Experience.
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ESTABLISHED 1866 EMIL STEFFENS SUCC.TO N. STEFFENS. AND STEFFENS BROS
MANUFACTURER OF
FLORISTS WIRE DESIGNS & SUPPLIES
335 EAST 21ST ST. NEW YORK CITY.

"BLACK DEATH" (POWDER) TO EAT THEREOF IS TO DIE.
BUG KILLER and FERTILIZER. Three years of unprecedented success wherever introduced all over the United States has proved "BLACK DEATH" to be a cheap and absolute annihilator of all insects, bugs or beetles that prey on vegetation, foliage and flowers. See what Peter Reinberg said in this paper, Feb. 8. Other strong indorsements sent on receipt of postal card.
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HANDLED BY SEEDSMEN. S. D. STRYKER, Agent.

Causperleptha
THE most effective combined Fungicide and Insecticide up to date. Try it. Price per quart, 75c; 1-2 gallon, $1.25; gallon, $2.00.
Walter Mott Seed & Bulb Co.
108-110 E. Second St., Jamestown, N. Y.

THE KINNEY PUMP.
For applying Liquid Manure it has no equal!
Sent prepaid for $2.00.
Address The HOSE CONNECTION CO. KINGSTON, R. I.
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Nikoteen Aphis Punk It Burns
The most convenient way of applying an insecticide ever yet devised. No pans required—No heating of irons—No trouble—Cannot injure the most sensitive blooms—Very effective. Price 60¢ per box of 12 rolls. All dealers sell it!
Skabcura Dip Co. St. Louis — Chicago.

PURE SHEEP MANURE
In natural state makes the best LIQUID fertilizer. $1.00 per bbl., f. o. b. cars, Kirkland, Ill. Write for prices on car load lots; also on Dried, Unpulverized and Pulverized.
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Greenhouse Bugs
USE
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Clean and harmless as **Fumigant** or **Spray.** Ask your seedsman for it or write to

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This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1½ or 2-inch size, per 100, $2.00.
Script Letters, $4. Fastener with each letter or word.
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Telephone Call, 1700 Madison Square.

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Cape Flowers, ALL COLORS;
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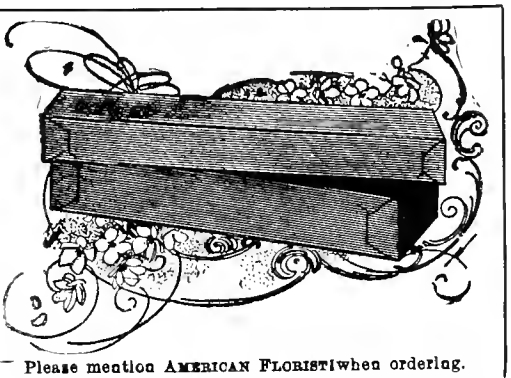
a specialty with us. The Mailing Packages are used by the largest shippers of plants and bulbs, take less postage and are water-proof. Our Cut Flower Boxes are moisture-proof and are used by all retail florists. These boxes are shipped knocked down flat. Write for prices.

The Dayton Paper Novelty Co.
DAYTON, O.



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Superior models for all customers; contains 90 patterns of modern art floral arrangement, printed on the finest cardboard. Size of the art sheets, 8½x10½ inches.

Catalogue in the English Language.
Elegant portfolio, gold stamped, with colored picture, containing loose sheets, $2.25. Edition de luxe, $2.75. Volumes I and II together: Portfolio, $4.35; Album, $5.30.
Post free on receipt of price.

A Shipment from Bayersdorfer & Co. represents a wise investment. Baskets, Jardinieres, Pot Covers, Ferneries, Vases, Doves, Sheaves, Inscriptions, Cycas Wreaths and Leaves. These are only a fraction of the list of useful Florists' Supplies we carry. The quality is the BEST and the price is RIGHT. Send for Complete Catalogue.

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Importer and Mfr. of
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Complete Stock—New Goods—New Illustrated Catalogue Now Ready. Send for it.
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Invalid Appliance Co.,
MANUFACTURERS OF
COLUMBIA PLANT TUBS
(PATENTED)
"The kind that never fell apart"
If your seedsman doesn't handle them, order of us direct.
FACTORY AND OFFICE:
150-160 VEDDER ST., - CHICAGO.
TELEPHONE NORTH 953.
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LABELS When you buy Tree and Pot Labels, be sure you get the Best, Lightest and Cheapest. Made of a metal that will not corrode, break, rust or letters fade. Can be read in 100 years from now. Samples free and prices quoted on application. Plain Metal Labels to scratch any name you want, $2 per 1000. Address **W. G. YOUNG,**
323 BROWN ST., DAYTON, O.
Please mention the American Florist when writing

Fresh Tobacco Stems.
Bales of 300 pounds, $1.50.
CASH WITH ORDER.
W. C. BECKERT, Allegheny, Pa.
Please mention the American Florist when writing

Washington.

ELABORATE DECORATION UPON OCCASION OF VISIT OF GERMAN PRINCE.—MANY GOOD ROSES USED.—LEISLER HAS NEW RANGE.

The decorations at the White House for the reception of Prince Henry, February 24, were very elaborate. The parlors and corridors were adorned with groups of foliage plants. The blue parlor, where the Prince was received was garlanded with Asparagus plumosus, the corridor and the red and green parlors with southern smilax, the mantels banked with plants and cut flowers and long-stemmed roses in vases. In the blue parlor American Beauty and Ivory were used and in the green parlor Bridesmaids and in the red parlor Ivory. The east room was also elaborately decorated and used as a banquet room. The table was decorated with plaques of Primula obconica and crystal vases of roses. The American Rose Company furnished the roses, the Beauties coming from S. S. Pennock, of Philadelphia; they were extra choice. J. R. Freeman had the decorations at the German embassy.

George A. Leisler has established himself in Virginia, three miles from Washington, on the line of the proposed electric railroad to Great Falls. He has twenty acres of good land, plenty of water, and has built four houses covering about 10,000 square feet. The boiler room is 20x30, with potting shed and helps' lodging over it. Roses, carnations and bulbous stock did very well with him considering the time he had. He took possession of the place August 1, 1901, and had it planted and glazed by October 1. He is now getting up a large quantity of bedding plants. He disposes of all the flowers at his store in West Washington.

Miss Alice Roosevelt rose was used by the American Rose Company to decorate the Prince Henry cars for the return trip to New York Monday night. P. G.

CUMMINGSVILLE, O.—Matthew Fells, 64 years of age, and a florist for a lifetime, is ill and his friends fear for his sanity.

LENOX, MASS.—Owing to the large number of new members recently elected, the Lenox Horticultural Society has found it necessary to remove from Sedgewick hall to the more roomy quarters of Colonial hall, where all future meetings will be held. The society will be pleased to welcome exhibits of new and rare plants and flowers from commercial growers and others at the regular fortnightly meetings and will give awards for same according to merit. The annual autumn exhibition will be held on or about October 23.

NEPONSET Flower Pots.
LIGHT, COMPACT, UNBREAKABLE, UNEQUALLED.
You can buy these of your nearest dealer.
F. W. Bird & Son, Mill and Main Office: EAST WALPOLE, MASS.
NEW YORK: 120 Liberty St. CHICAGO: 1434 Monadnock Bldg.

WRITE
A. F. KOHR, 1521-23 N. LEAVITT ST., CHICAGO, ILL.,
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Standard Pots
which for strength and porosity combined are the best on the market.

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Traveling Representative,
U. CUTLER RYERSON,
108 Third Ave. Newark, N. J.

STANDARD FLOWER POTS!
Packed in small crates, easy to handle.

Pots	Price per crate		Pots	Price per crate	
1500	2-in., in crate,	$4.88	120	7 in., in crate,	$4 20
1500	2¼ "	5.25	60	8 "	3.00
1500	2½ "	6.00	48	9 "	3.60
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800	3½ "	5.80	24	11 "	3 60
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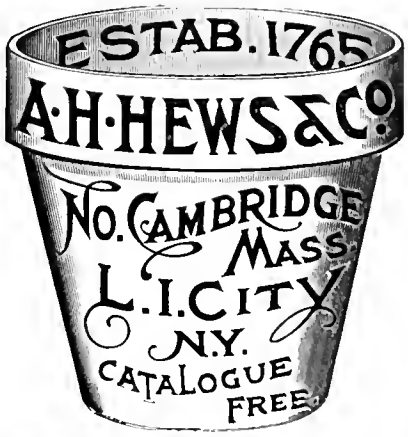

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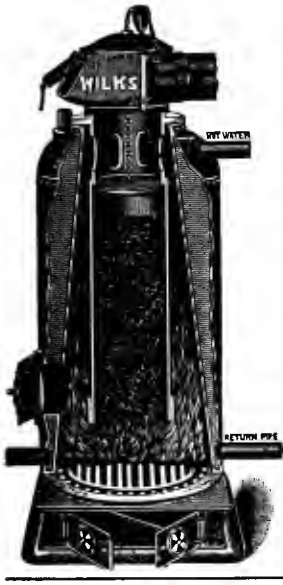

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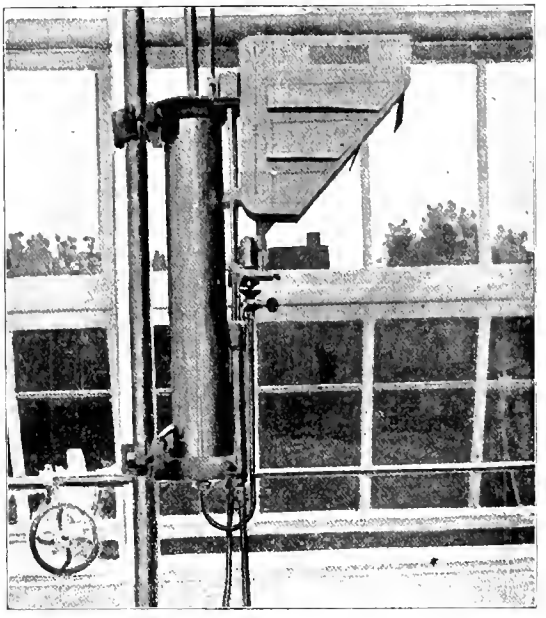

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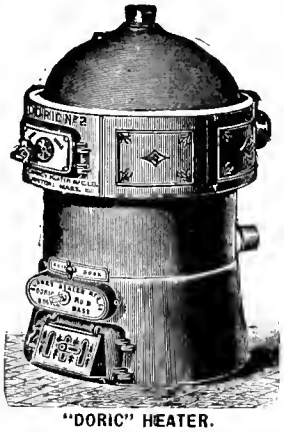

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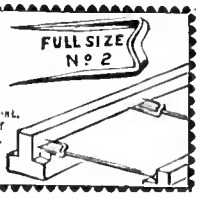

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SEVENTEENTH YEAR.

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The Dissemination of New Roses.

[A discussion before the Florists' Club of Philadelphia at its meeting March 4, 1902.]

E. G. HILL, RICHMOND, IND.

The dissemination of a new rose is attended with no small amount of trouble, to say the least, and to successfully launch a new variety requires good business generalship.

The variety must first be found, then propagated in sufficiently large numbers to give bloom in considerable quantity for the purpose of display and exhibition. To grow sufficient plants requires considerable bench space and this means expense.

Without being able to secure enough bloom to set up vases containing twenty-five to 100 blooms, the effect produced on the average grower is nil, except in the case of a few discerning individuals who are able to accurately estimate the status of a new rose by a flower or two, but to make a decided impress necessitates the use of a large quantity of flowers.

If a house or more be devoted to the growth and development of a new rose, the owner naturally wishes to reimburse himself for the expense incurred, hence the desire to sell the bloom. When flowers of an undisseminated rose are sold, with stems attached, the transaction takes on a business character and from my point of view, the purchaser has a right to do whatever he pleases with stock thus purchased.

If the proprietor of a new rose can cut out, or kill the buds on the stems he sells, well and good, but he takes a certain risk in the selling, and if, perchance, the purchaser of the blooms is successful in propagating these buds, the owner cannot justly complain, for he has received remuneration for the same.

If the possessor of a new rose sends his blooms to a show or exhibition and parties get possession and propagate same, then the ethics of the profession would certainly brand the man so doing as dishonorable; or were the possessor of a new rose to send his blooms to an individual or firm for their inspection, then to propagate such would certainly be reprehensible conduct.

From my standpoint, to avoid this risk, there should be a federal law protecting the ownership of a new rose, plant or fruit for a limited number of years, so that those who give of their time and money in the way of experiment may reap a fair reward for their industry and pains.

Surely no one will deny that the raising of a new plant is accompanied with fully as much, or more, work than is bestowed on most mechanical appliances. If a patent can be secured on a device, or upon some useful article, or medicine, why not on a charming new rose, plant or fruit?

ERNST G. ASMUS, WEST HOBOKEN, N. J.

I have for the last two or three years given the matter of introducing new roses a good deal of thought, but freely admit that the more I think the further I seem to be from solving the conundrum. A new rose in this country, no matter how good it is, or how much it is advertised, is hard to sell unless it is first demonstrated by the introducer that the rose has commercial value; by that I mean that the rose is well thought of and bought by the general public.

But here comes the nut to crack. How are we going to protect our property, when we sell to the general public the blooms of a novelty not yet in commerce? The experiment has been tried to cut or chisel out the eyes, but with only partial success. I, myself, have been able to both grow and root cuttings and graft wood from which I, myself, carefully removed as I thought all eyes, only to find that I had been all at sea. It is true I did not succeed in getting good plants of all I tried that way, but still I could get five per cent of those I did try; enough to lose a man's property, if, after the blooms were first offered for sale it takes two or three years to demonstrate that the rose is really what it is "cracked up" to be, and a good seller to the general public.

I am sorry to say that among the florists of America are a great many who are unscrupulous enough to try and buy up such blooms of novelties, just to try and get ahead of the introducers, who may have paid thousands of dollars for what they thought was a good thing. These "sharks," as I call them, will show you with pride, should you happen to visit their place, a few plants propagated in that way, and glory over it that they have been able to outwit the originator. This practice in my mind, should be condemned by all honorable men. I hope this controversy will lead to some way by which a man's patent right upon a novelty can be secured for at least five years. I think it is a subject that ought to be taken hold of by the Society of American Florists, which, with its national charter, can do more than all the florists' clubs in the country combined.

If an introducer of novelties could be protected for, say, five years, he could then send plants on trial to various localities, thereby proving in advance to the would-be buyer whether the novelty does well or not, whichever the case may be.

I see by the trade papers that the same subject has been stirred up in England and been widely discussed. Wouldn't it be well if we could co-operate with our brethren across the water in the matter, and get some international law upon the subject?

But I am afraid I have been wandering. You wanted to know how best to protect a rose novelty. I must openly confess that I do not know of any way, and will have to leave the subject for better and wiser heads than that of your humble servant.

ALEXANDER R. SCOTT, SHARON HILL, PA.

As you desire to hear from me on this subject, I can only say that the best way to disseminate a new rose will have to be decided by the introducer. The disseminator of a new rose is very badly handicapped in the cost of its introduction. When a new carnation is sent out the grower can create a demand for his novelty by exhibiting at the various flower shows. For two or three years before distributing plants he can have a profitable investment in marketing his cut blooms.

With a new rose, if the introducer sells the cut flowers the year before he disseminates the plants, no matter how carefully he disbuds his flowers (which in itself is a great labor) there are always men who will experiment and get up a stock by purchasing the cut flowers and propagating from the wood.

While this practice is not indulged in by many first-class florists, still it is within the law and has to be taken into consideration. It is therefore, to my mind, better to sell cut flowers of the rose in the year of its introduction only.

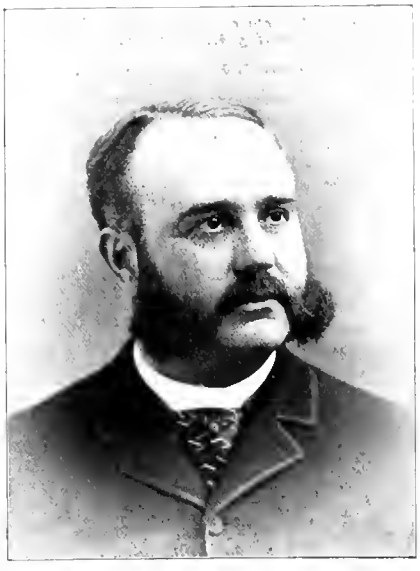
The grower having a new rose to introduce first works up a stock of 200 or 300 plants to test it, from which he gets no remuneration. The following year he propagates enough to have a house of this rose so that he can exhibit it at the various flower shows. This house is generally the best on the place, and from which he loses a year's income. The following year he introduces the rose, plants it largely for cut flowers, and if the rose takes, he makes a very good investment. If it is only moderately successful the investment will not be so good. He naturally propagates a large stock in order to fill orders with the best grown plants, and if they are not sold he cannot lower the price, which is generally a high one, because he has to protect both his agents and the florists who have bought stock of his novelty. These plants have either to be thrown out or carried over for another year.

There are so few varieties of roses that are profitable for winter forcing for cut flowers that a novelty to be really successful must have so many good points that the grower can see at once how he can make his area of glass more profitable by planting this novelty. It must also be so good that the retailer can sell it on sight. Of all the new roses annually introduced, even the roses introduced for winter blooming, how few there are that stand the test of time and are grown in quantity five years after their introduction.

As agents for Alexander Dickson & Sons, who originated Liberty, we test most of their promising seedlings, and at the present time we have four or five seedlings that I think are a decided advance on varieties of the same color and habit, and yet, unless they show more decided points of merit after another year's trial, they will be introduced as garden roses in Ireland. The expense of introducing them as winter forcing roses would be too great to take the risk. My own plan is to keep on testing carefully the new seedlings or Messrs. Dickson & Sons, and when the greatest living hybridizer of roses, Mr. Alexander Dickson, produces a variety that will have as much merit as Liberty, to push it for all it is worth.

Alexander McConnell.

The gentleman whose portrait appears herewith is one of the most successful of New York's retail florists. He is also, personally, one of the most popular. Unlike



ALEXANDER M'CONNELL.

many of the flower dealers of the large cities he has the advantage of a considerable horticultural training. He was born and brought up on a farm in the Isle of Man. After coming to this country his first experience in horticulture was on the estate of J. C. Green, on Staten Island, under the late Wm. Charlton, a gardener who was prominent in his day and of high repute as a grape grower. From here he went into commercial floriculture with the firm of Charlton & McConnell, at West New Brighton, Staten Island. Later Mr. McConnell moved to New York city and formed a partnership with Adam Sim, a nephew of the late Jas. Fleming, opening a store on Sixth avenue. This was in 1872. Three years latter Mr. McConnell bought out Mr. Sim, continuing at the same place until 1889, when he removed to his present establishment on Filth avenue. Perseverance and good management soon brought him the substantial support of the much-sought exclusive "400" and the list of his patrons to-day includes the names of many families of world-wide fame. Outside of his regular floral business, Mr. McConnell does considerable landscape and garden work. He carried on the planting at Georgian Court, the Lakewood estate of George Jay Gould, for nearly two years, working from plans drawn by Bruce Price, where a vast number of evergreens, particularly pines, were set out. A very useful pamphlet containing a descriptive botanical classification of all the trees shrubs and hardy plants on the estate was published by Mr. McConnell in 1900, for free distribution.

A Typical Japanese Garden.

The accompanying illustration is from a photograph taken in Okayama Park, Oyayama, Japan, and supplied by H. Yoshida, who visited America and Europe last summer in the interest of the Imperial Trading Co., Todamachi, Yokohama. Mr. Yoshida says this is one of the three great parks which are typical of Japanese gardening and that it is in every way worthy of its renown. The work had its inception more than 300 years ago, under the Marquis of Ikeda, then the governing feudal lord of that place. Sparkling rivulets feed the limpid ponds, the grass is green and velvety, the symmetrical dwarf pines have been grown for generations and the whole formal effect is most representative of the national outdoor art. The specimen trees and shrubs are of wonderful perfection, time having served its part in their magnificent form and perfect establishment. Oyayama is a city of 70,000 inhabitants and is only eight hours from Kobe.

Methods and Results of Sterilization.

[*Read before the Massachusetts Horticultural Society, by Prof. George E. Stone, of Hatch Experiment Station, Amherst, Mass.*]

In general the treatment of diseases in greenhouses demands other methods than those which out-of door plants are subject to. In the greenhouse the gardener has the conditions largely under his control, whereas he can modify only to a limited extent the conditions out of doors. Many of the troubles which indoor plants suffer with are directly traceable to the conditions which they have been subject to, and the gardener must be wholly responsible for them. There are some disastrous diseases, however, which greenhouse plants are affected with that cannot be controlled by any amount of skill in handling the crop without recourse is taken to radical preventive measures. Such is the case where the gardener has to contend with genuine parasites or with pathogenic organisms which will attack a healthy plant just as quickly and disastrously as a weak one. Such diseases are produced by the fungus Sclerotinia libertiana Fckl., which causes the drop in lettuce and the timber-rot in cucumbers; the rhizoctonia which affects lettuce and many other plants, and the Heterodera radicicola, Mull., a nematode worm that is known to affect 180 or more species of plants, and which is especially disastrous wherever it occurs in abundance to greenhouse cucumbers, tomatoes, muskmelons, violets, roses, cyclamens, etc. It is for the control of these disastrous organisms that the sterilization method is especially adapted, and which all other methods of treatment, except for nematode worms, fail. It is also applicable to the destruction of weed seeds, and the red spider and aphis in the soil are killed.

The application of chemical substances to the soil for the control of pathogenic organisms is not practicable except in some exceptional cases; neither is the fumigation method of much value, as gases are limited in their power of pene-

OKAYAMA PARK, ONE OF THE BEST EXAMPLES OF TYPICAL JAPANESE GARDENING.

trating the soils. In some cases freezing or drying the soil is effectual, but it is not easy to freeze soil in the greenhouse without removing it, and that method is too expensive, for at the present time it is far cheaper to sterilize soil than to renew it. The sterilization method is the most effectual and absolute method that can be applied in the treatment of pathogenic organisms. Where the pest is confined to the soil and does not disseminate by spores through the air it can be completely and absolutely eliminated.

The treatment of soil by heat, or sterilization, as it is called, has been carried on at the Hatch Experiment Station, Amherst, for some years, in connection with troublesome organisms which thrive in the soil and prevent the production of healthy crops. It should be borne in mind, however, that when we speak of sterilization of the soil we do not mean absolute sterilization, but what we actually accomplish is a sort of Pasteurization, or partial sterilization. In order to obtain absolute sterilization and maintain those conditions, we should have to make use of the methods employed by bacteriologists. Absolute sterilization we do not desire; and all that is necessary to accomplish is to destroy the obnoxious pests which cause damage to the crop. A uniform temperature of 180° Fahrenheit maintained for a short time would accomplish this, but in practice it is far better to exceed this temperature, in order to be on the safe side.

During the past year quite remarkable strides have been made in the practice of sterilizing soils. On account of the extensive use of the sterilization method upon a large plan by the most efficient and practical market gardeners the process has been made very much cheaper and quickened to a considerable degree. There have been numerous methods and appliances devised that are great improvements over old ones. In the past year the amount of soil sterilized can be intelligently estimated in acres rather than in square feet. At the present time whole ranges of greenhouses are being treated and the method has been employed out of doors to some extent.

The method of treating the soil by steam to a distance of a foot or more in depth has always appeared to us as the best one to be employed, and since the cost of such treatment has been greatly reduced of late there appears to be no longer any reason why it cannot be extensively employed. The practice of applying one or two inches of treated soil to the top of the bed, while giving good results, has its drawbacks because the process in order to be of any value has to be repeated every time a crop is planted. The cost of treating one foot or more of soil in badly infested houses proves an excellent financial investment; for example, some houses have had the drop in them to such an extent that fifty per cent of the plants would succumb and in some cases nearly the whole crop has been destroyed. In our own experimental house, which was purposely contaminated a few years ago, we have experienced a loss in some cases equal to about ninety-nine per cent. In a house containing 4,000 dozen plants at 50 cents per dozen the value of the crop would be $2,000, or at 25 cents per dozen $1,000. The loss of fifty per cent would reduce the value of the crop to $1,000 or $500 respectively. Such a loss is the more provoking inasmuch as the maximum amount of drop occurs about the time the plants are mature, and all the labor bestowed on the crop in transplanting, care given to the same, amount of heat utilized, and the valuable space which they have taken up is all for nothing. A house of this description was sterilized during the past winter at a cost of $100 and in examining this crop (which was one of the most perfect I have ever seen) there was only one case of disease in the whole house. There appears to be no reason why, if a house is once treated in a manner as thoroughly as this house was, another treatment would be necessary for some years, provided care is taken to prevent contamination from refuse material which contains the drop fungus. Even allowing a few contaminating areas to exist in the soil as a result of imperfect treatment it will probably be five years before the loss would again reach that amount where it would be necessary to treat the soil. It requires no argument to show that the expense of $100 for treatment in a house that would be worth $2,000 at 50 cents per dozen or even $1,000 at 25 cents per dozen is a good investment, even if the treatment has to be repeated each year; but on the basis of a five-year treatment, which is in our estimation all that is required, the investment is nearly five

times as good. The increased value of the soil and the possibility of having less weeds and aphis should also be taken into consideration in estimating the benefits derived from this method of treatment.

The methods employed for heating the soil have been either by the use of hot water or steam, with considerable variation in the mode of applying the latter. The hot-water method requires the treatment of the soil previous to putting in of each crop, as only a few inches of surface soil are sufficiently heated by this method to kill the mycelium of the drop.

The heating by steam is now done largely by perforated pipes and in some cases use is made of 2-inch porous tile, although this method is not so practicable. The various contrivances made out of perforated pipe, varying from one to three inches in diameter and usually placed from seven to twelve inches apart, are made up into frames from ten to twenty feet or more in length and into any width desired. The size and number of the perforations vary much in different appliances.

The methods generally adopted by lettuce growers in heating their soil is to place the sterilizer on the surface of the bed. If the bed is twenty feet wide then it would be most convenient to have the sterilizer ten feet wide and twenty or thirty feet long. This is placed midway in the bed and the soil to the depth of one foot or more is dug up on either side and thrown up on top of the sterilizer. The steam is then turned on and the soil heated. After sufficient steaming has taken place the pipes can be pulled out and made ready for the next treatment. The soil previously treated is covered up with old canvas and allowed to stand some hours, after which the top portion is shovelled back to where it was taken from. Not only is the one foot or fifteen inches of top soil heated, but the soil underneath the apparatus is equally well sterilized providing too much haste is not made in removing the treated soil.

From reliable estimates which we have been able to obtain from practical lettuce growers and others who have heated their soil, the cost including coal, labor, etc , but not the cost of tile or apparatus used, is as follows:

In a house 20x225 feet, one-third of which was treated at a time by steam passing through 2-inch tile placed eight inches below the surface and one foot apart, the cost was at the rate of $16 per 1,000 cubic feet. The estimated cost of removing the soil from a similar house to a depth of one foot and placing in new soil without carting the same was at the rate of $37.50 per 1,000 cubic feet.

Another house 40x500 feet was treated by steam passed through a 1-inch iron pipe with series of perforations six inches apart and three-sixteenths of an inch in diameter. The estimated cost for sterilizing 1,000 cubic feet, based upon the treatment of the whole house, was $8.33.

In another instance it took three days to treat a house 36x300, and from the estimated cost of labor, fuel, etc., the treatment was made at the rate of $5.92 per 1,000 cubic feet. We observed one test with a sterilizer in which 400 cubic feet of soil were heated at the rate of $2 per 1,000 cubic feet.

W. W. Rawson claims that it cost him $50 to sterilize a house 40x300 feet, which would be at the rate of about $4.16 per 1,000 cubic feet. This is undoubtedly a very fair estimate of what it costs to sterilize soil when undertaken on a large plan. When soil can be sterilized at $2 per 1,000 cubic feet, or even $5, there is no longer any question concerning the practical application of this method in greenhouses for the extermination of some of the worst enemies which interfere with the production of healthy and profitable crops. Even where the cumbersome tile method is employed the cost of sterilization is less than one-half what it costs to remove the old soil from a house and supply it with new.

Some market gardeners have practiced sterilization for three years, not wholly for the sole purpose of ridding the soil of certain disease-producing organisms, as that can be accomplished by one treatment when properly done, but largely for the purpose of increasing their crops. We have made many experiments with various crops wherein the effect of sterilization on the growth of plants was compared with the growth of the same species of plants in precisely similar earth not sterilized. The effect of sterilization is quite marked in such experiments.

JAMES SOUDEN.

One of our largest lettuce growers, who has observed the effect of sterilization on his own crops for three or four years, declares that he would rather have one inch of sterilized soil on his beds than any fertilizer which he has ever used.

A gain of thirty-three per cent in the growth of the crop is in itself worthy of consideration, so much so in fact that, as already stated, many gardeners practice sterilization for the production of larger crops. This means that a crop of lettuce when four weeks old is equal to one six weeks old as ordinarily grown, at least such are the results which we have obtained in our experiments, and lettuce growers have related similar experiences.

There are still opportunities for practical gardeners to improve the appliances for sterilization, which will render the operation more efficient and reduce its cost.

James Souden.

The popular gentleman whose portrait appears on this page is one of the most capable growers, not only in the northwest, but also in the country. Born at Aberdeen, Scotland, in 1864, he worked on a farm until he was eighteen years of age, when he took a place under John Proctor and Robert Agston, who had charge for Lord Henderson, whose establishment was the finest of private character in the vicinity of Aberdeen. He remained there until 1887, when he came to American, landing in New York but shortly finding his way to Minneapolis, where he went to work for C. A. Smith, having charge for more than five years, and in 1890 building a range of 25,000 square feet of glass for his employer. In 1892 Mr. Souden took charge of the L. L. May & Company range at St. Paul, continuing there until last year, when he was called upon to assume the management of the floral end of the big business of Wm. Donaldson & Company. He has about 60,000 feet of glass, having considerably enlarged the range last year, and grows a general stock, including Beauties, tea roses, bulbous stock, violets and so forth, for retail. He has full charge of the retail department in the store as well as of the producing end. His stock is always good and he does one of the largest businesses in the Twin Cities. Mr. Souden and Miss Murray, of Aberdeen, were married in 1887. They have four fine girls, the eldest 13 years of age.

A California Floral Design.

The accompanying illustration is from a photograph of one of a number of large and elaborate floral pieces made recently by the Shanahan Floral Company, of San Francisco, for the obsequies of a public man of that city. The cross was seven feet tall and the arm was three feet nine inches. Violets were used for the foundation, with Roman hyacinths, Harrisii lilies and adiantum.

GOLDEN GATE.

Lily Troubles in Philadelphia.

The men who grow plants and flowers have more or less trouble on their hands all the time and those whose specialty is Easter stock are pretty sure to lead a strenuous life for the two months prior to this annual festival. This is particularly true of the man who carrys a large stock of longiflorums, as each year seems to introduce some new problem to be solved, some difficulty which interferes more or less with their successful growth. This year the main trouble has been with what seemed to be a new and worthless variety which cropped out in large quanties among the other plants. This "bastard" lily as it is called by some, was not noticeable at first, as the bulbs came along fairly well together. Many were not noticed until after they had been potted, several together in the larger pots for specimens, when it was seen that some of the plants were not getting away as they should. They became stunted, the center leaves became weaker and began to twist up. They are coaxed along for a while and then, after saying a few complimentary things about his bulb man, the grower takes his loss and dumps the offenders.

Hearing of much dissatisfaction among the growers on account of this stranger, I visited George Anderson, who has for a long time been quite successful with this Easter favorite. Asked to give his opinion on the new variety he said: "I do not believe it is a new variety at all. I believe it to be a diseased multiflora caused from forcing bulbs that had not fully matured or ripened before they were dug out of the ground for shipment to this country. We have been forcing Japanese

longiflorums for a good while, getting the bulbs between the middle of September and the first of October. This year they arrived earlier in the month, delivered then probably on account of the early Easter. Many of the bulbs still retained the green stalk or stem of last season's growth and they were hard and plump, very nice looking to be sure, but I like to see them with the scales loose and yellow, showing that the bulbs have been allowed to mature in the ground before they were lifted. This is the secret of success in lily forcing; have the bulbs well ripened and there will not be half the trouble there is now. As to the mixture of the varieties, it seems impossible for the seedsmen to keep them straight and no matter how much caution is taken they will come mixed."

Here Mr. Anderson showed me the different varieties, selecting them by their foliage and pointing out their peculiarities of growth until I became fairly bewildered. There was the red-stemmed, with its very full growth of long, narrow leaves, called, I think, giganteum; the multiflora, with its free growth, the kind that is preferred by most growers. Then there was a broad-leaved kind, with a great quantity of leaves which look very strong and vigorous but which is said not to force well, that is, it cannot be driven like the multiflora. It has no name. Among other interesting things he mentioned was that Mr. Hahman, of Harrowgate, called to see him and stated that he had a double or split bulb in which one of the bulbs was all right, a good multiflora, while the other half was a good specimen of the diseased, or, as thought by some, the "bastard" sort. Mr. Anderson reasoned that one of the bulbs, being stronger, had matured, while the other had not, and the results were shown when they started to grow. Mr. Anderson threw out quite a good many of his stock, but as he always starts them in small pots until he is satisfied they are, or will make, desirable plants, his loss is reduced to a minimum. His stock now looks in very good condition and is in various stages of development, with buds from one half inch to three inches in length a the beginning of March.

J. W. Colflesh, his neighbor, has a nice lot coming along but has thrown out about twenty per cent on account of the disease. His idea of the trouble was the same as Mr. Anderson's, believing that the bulbs were received much too soon and were not fully matured.

"We never had this trouble before, at least not to any appreciable extent, and I believe the early arrival of the bulbs has all to do with it. I have my mind made up to one thing, and that is to give my bulb order next season conditionally on only paying for the multiflora which develop; if any other kind shows up it cannot get in the bill, as I shall only order multiflora."

W. K. Harris is thinking seriously of going out of the lily business, as the last few years he has had so much trouble with bad bulbs. His foreman, Mark Mills, says no matter who you get them from they cut the same caper. This year he threw out nearly half the bulbs he started on account of the disease, caused, he believes, by the bulbs being taken up entirely too soon.

Joseph Kift, of Westchester, Pa., received one shipment of lilies early in September which were planted at once. Another lot which were said to have just arrived from Japan were received and planted early in October and are now

SEVEN-FOOT CROSS BY THE SHANAHAN COMPANY, SAN FRANCISCO, CAL.

much the better looking lot, the plants being farther advanced and, while there are a few diseased ones showing, the proportion is nothing like as great as in the early shipment. These latter are all very backward; scarcely any of them will make Easter, while those that are not entirely worthless appear as if they will perhaps be in for Decoration day. Both stocks have been growing side by side and have received exactly the same treatment. The results here are greatly in favor of the better ripened bulbs.

Robert Craig says that he does not believe the story that someone has discovered a double crown bulb one-half of which produced a fine stem while the other half produced a diseased stem only one-fourth the height and on which no buds were set. He cannot understand how one-half the bulb should have the proper conditions to ripen it and for the other half the environment be so different as to produce an entirely worthless stem. He has thousands of double crown bulbs bought as multiflora and in all cases both shoots from the one bulb are either multiflora, which is easily recognized by its firm flower and superior height, or are the "bastard" variety, which is very short and which produces no good flowers.

Mr. Leonard, of the Model Farm, received a case of Japenese longiflorums from a grower who had a few too many. This was in November. This lot came

along nicely, with scarcely any trace of the disease, and are now fully as far advanced as his earlier planting, from which he had to throw away fully twenty per cent. The grower from whom he obtained his last case says he lost fully half of his, and yet this case from the same stock planted late turned out very satisfactory.

A word from the bulb importers. H. F. Michell says he believes the cause of the lily disease can be traced to the eagerness of everyone concerned to get the bulbs early in the fall. The florists keep asking the dealer how soon they can get their lily bulbs, and finally the growers are cabled, the bulbs are hurried along and immediately started forward without the necessary rest. It is singular, however, what difference there appears to be in the results with the various shipments of bulbs from the same lot in the hands of different growers. Mr. Michell says he has letters from some growers who forced lots of from 2,000 to 5,000 with most excellent results, never had them better, and so forth, while with others it was the very opposite. This certainly does not look as if the bulbs were at fault.

George C. Watson says it is too complex a question for him. "I have had theories, and thought I knew, but they have been knocked in the head so often that now I am free to confess I cannot express an opinion. I simply don't know." Mr. Clark, at Henry A. Dreer's, says: "We would all sleep better if the lilies were eliminated from our catalogues They cause us no end of anxiety and trouble. When they do well it is because they are grown right, but when failure comes it is always the bulbs and it is the importer who gets the blame. I believe it is this early chasing after early stock to meet competition that much of the trouble can be traced to. Out of six or eight florists in a town some will order from one firm and some from another. The stock of one firm is all delivered. Immediately letters are received by the other houses to send their bulbs at once. If not sent right away another letter follows; 'if I don't get my lilies by the fifteenth cancel the order and I will get them elsewhere.' So you see with the haste of the growers and the competition of the dealers to be first on the market, the quality or proper condition of the bulbs is lost sight of, and this, I think, has much to do with the trouble." K.

The Shamrock.

W. K. Harris has gone into the shamrock business with a vengeance, having devoted one of his largest houses entirely to its culture. The center table is filled with plants in his copyrighted pot or pan, the shape of a shamrock leaf. This is very pretty and will be very appropriate for dinner decorations wherever the "old sod" is reverenced. The small pots, 2½-inch, on the side benches can be sold cheap as souvenirs of "Paddy's" day, March 17. A large contract has been made with a department store which gives each of its customers on that day one as a souvenir. One of the curiosities in the house is a snake, which helps to keep down the snails, but he will have to go before the "seventeenth," as he cannot live where the shamrock grows. Mr. Harris reports large orders for this plant from other cities and thinks there will scarcely be enough to go around. K.

WITH THE GROWERS.

LAKEVIEW ROSE GARDENS, JAMESTOWN, N.Y.

On my first trip to Jamestown, N. Y., I took the Erie railroad from Buffalo and had a very pleasant ride through a beautiful rolling country. Arriving at Jamestown, I found a fine, growing city at the outlet of Lake Chautauqua. Here I took the trolley cars for the Lakeview Rose Gardens, situated in the eastern part of the city just outside of the limits, where I was taken in hand by C. H. Roney, the superintendent, who is the right man in the right place. He turned me over to the various department foremen.

At the first block I found Michael McCue in charge of ten houses filled with smilax, adiantum, Asparagus Sprengeri, Asparagus plumosus nanus, and a few other plants sitting along the edges of the benches, such as cyclamens. He keeps his houses in good trim, everything neatly tied up and no dead leaves showing.

Next I came to a block of houses under Gustave Dhalstorm, all given to Meteor roses, all fine looking plants, clean and the perfect picture of health. This block is composed of six wide houses 300 feet long. I could not walk down every path as I would never get through inspecting the place.

Charles Hennon has a house 300 feet long full of lilies in their various stages of development. Some were in flower and some with buds and some just creeping out of the pots. Next he has a large house full of hydrangeas, good strong plants with five or six branches coming on for Easter. Then there is a group of small houses of violets, eleven-foot houses 100 feet long, five of them, planted with Marie Louise and Lady H. Campbell.

James Lydon has charge of a block of carnation houses, ten of them, each 240 feet long. Each house has four beds. The varieties I first saw were Lawson, Marquis, Mrs. Joost, Prosperity, Roosevelt and Estelle. They made a fine show. Farther down I could see Morning Glory, Genevieve Lord, Genesee, Flora Hill and White Cloud, all doing well. As I advanced I found old Scott and Daybreak. They have many other varieties on trial, such as Queen Louise, Peru, Cressbrook and Mrs. Nelson. Everything is kept clean, under the stages as well as among the plants. Their cut is very large, and is carried up to the packing room three times a day.

The block of houses under the care of Fred. Gunton are old style, three-quarter span to the south, and three stages, with the north side a raised one. Here I passed from house to house, some in Brides, some in Bridesmaids and at the end ni Beauties. These plants are carried over stock but they are all doing nicely. Next summer they are to be taken out and the stages replaced with solid beds. When built these houses were twelve to sixteen feet apart, so this winter they have put new houses between them, making a very large block. A flight of stairs gives access to a house above the packing shed, where Golden Gate and Bridesmaid are doing well.

The new block of twelve houses, all in two departments, built in the latest improved style, using the Garland iron gutter, is very high, with plenty of room to walk under the gutter, and plenty of light. These are under the care of Clarance Gunton. He is growing Beauty, Liberty, Bridesmaid, Bride and Golden Gate. They are fine. At the division is a block of carnations which was planted late in solid beds, the same as the roses. They are making a brave show.

The large new propagating house has all modern improvements, with four beds 100 feet long. This house adjoins the boiler room. Here A. C. Wasson is in charge and, with his assistants, is filling up the house with rose cuttings and some general stock. One bed is devoted to lilies of the valley, put in at various times. There is another propagating house where nothing but carnations are rooted. This house will hold 150,000 cuttings and to meet requirements will have to be filled four or five times.

James Brooks has charge of the packing of plants, sees to the potting of all the cuttings and repotting of plants, also handling all the new stock as it comes in. Wm. Coyne is his right hand man. The packing room where the cut flowers are handled is in Mr. Roney's office, where he can keep his watchful eye on the work.

IN THE WORKSHOP OF M. RICE & CO., PHILADELPHIA, PA.

WM. K. HARRIS, HIS HOUSE OF SHAMROCKS AND HIS SHAMROCK POTS.

Frank Winson and his helpers do the work.

The place is heated by twelve steam boilers, and about thirty tons of coal are burned each day in winter. There is a good deal of water to be pumped and the water has to be pumped back to the boilers, as it is a low pressure system and the piping is all low, some of it underneath the stages and some along the walks. There is also a shop, with plenty of machinery to do most of their own work in carpentery, steam fitting and so forth.

The retail store, which is located on Main street near Third, is a model one, full of all the latest novelties in supplies and accessories. They keep up with Broadway style. W.

CARNATIONS.

CARNATIONS FOR SUMMER BLOOM.

ED. AM FLORIST:—Being a beginner at carnation growing, please to advise me if it is best to grow carnations in the field for summer cut flowers and rest or renew the soil in the benches. Can I buy plants ready to put out in the field to produce summer flowers? How large should they be? How often and with what should they be stimulated?

W. F. S.

Carnations for summer blooming had better be grown in the field. To have the best success one should have plants from 3-inch or 4 inch pots, with a number of branches well started by the time they are to be planted out. Such plants are pretty hard to buy but probably they can be secured through an advertisement. For outdoor blooming there is little danger of giving them too much in the way of manure, but if phosphates are used they should be applied very carefully, as a dry spell of weather with much phosphate in the soil will mean stunted and worse than starved plants. In some cases it is not necessary to renew the soil in the benches every season but it is always safer to have the old soil all taken out and fresh put in.

ALBERT M. HERR.

CARNATIONS IN MINNESOTA.

Having read with interest the great difference in the varieties of carnations, as grown by the best growers in the country, I take the pleasure of giving my experience in Minneapolis:

In white, Lorna is the leader, giving the largest percentage of high grade flowers, almost every bloom coming perfect, on very long stems. White Cloud with us is very free, but when we cut the flowers they have to be graded as No. 1, No. 2 and No. 3. On a general average they run about fifty per cent No. 1. If the weather is bright and clear, we get about thirty per cent No. 2 and twenty per cent No. 3. No. 2 we can sell over the counter. No. 3 we use for design work. Bon Homme Richard is very free, with small flowers on long, stiff stems. It will never amount to anything. Norway has been very disappointing. The growth is very strong, stems stiff, flowers with quite a little pink in them, and so far I have been unable to cut a perfect bloom but will try it one more year. Flora Hill I am going to discard altogether.

In pink we grow Mrs. Lawson, which is the most profitable carnation we have on the place. Just now the plants are in full crop and the blooms average three inches, with a beautiful color. The Marquis is grand; blooms about the same size as Lawson, but not as free a bloomer; sells a little better than the Lawson on account of its color and spicy odor. Guardian Angel is very free; flowers rather small to rank as a fancy, but on account of the fine stem and beautiful color, it is an easy seller. I consider it very profitable. Joost is very good in fall and spring. Sunbeam and Prolifica are no good around Minneapolis and St. Paul, and the same may be said of Nydia. We have still a few plants of Daybreak, but after the season is over, we are going to discard it altogether.

In red G. H. Crane has not done quite as well this season as last, but it is still very profitable. It has a good color and strong stiff stem. Red Mrs. Bradt is very good, large bright scarlet blossoms on a good stem. Planted rather close on the benches, I consider it a good fancy red. Next season I am going to try Palmer and Estelle. Both varieties seem to produce grand flowers of good shipping quality.

In the variegated class there are only two varieties that amount to anything with us. Prosperity, the largest carnation on the market, I am afraid is going to be a shy bloomer, and the color is against it. The early part of the season the color was just right. The blooms showed enough pink to make them attractive, but as the season has advanced, they have a little too much color in them. Mrs G. M. Bradt still leads in its class, but I notice that the demand for variegated varieties has decreased considerably.

JAMES SOUDEN.

SUCCESS WITH WHITE CLOUD.

ED. AM. FLORIST:—Having seen in your paper many comments unfavorable to White Cloud carnation, I wish to speak a word in its behalf. I planted sixty plants of it on a bench last August and

VIEW OF THE STORE OF M. RICE & CO., PHILADELPHIA, PA.

since then the cut has been: October, 110 blooms; November, 155; December, 380; January, 348, February, 359; total 1,352, or an average of twenty-two and a half blooms to a plant. The flowers have all been good, most of them on stems thirty inches long. I have syringed the plants but twice this winter, so it can be seen that red spider and thrip do not bother them when grown right. The night temperature has been 50° to 52° and 60° to 63° on dull days, with five degrees more when the sun was bright.

Millbrook, N. Y. ANDREW NICHOLLS.

Begonia Gloire de Lorraine.

This beautiful winter flowering plant appears to gain in strength from year to year. Certainly it has never been seen in England in such fine shape as during the past season. The plants exhibited at various meetings have surpassed anything that could be imagined when it was first introduced. It is well known that the variety is of French origin, but it may not be so well known that until re-introduced from England the French growers failed to grow it satisfactorily; in fact, it was condemned as useless. Now, however, it is one of the most popular plants in France. It is also finding much favor in Germany. It is a curious fact that the male flowers are produced successively on the same raceme and they seem inclined to go on indefinitely, but when a female flower is produced the same raceme does not extend any further. It is thus shown that the absence of female flowers accounts for the remarkable floriferousness of this beautiful winter flowering plant. A. H.

Some Desirable Paeonias.

Pæonia Pottsii alba, was the best pæonia shown before the Massachusetts Horticultural Society last spring. It is a very delicate flesh pink, tipped with carmine, and bleaches desirably. It is classed as an early sort and a free bloomer, the flowers averaging five inches in diameter at perfection, and two and one-half inches deep. The flowers show no seed center. The plant is about thirty inches high.

Pæonia Modele de Perfection was the favorite of the Philadelphia cut flower market last spring. It is a very attractive pink in color, with white reflections. The flower is very large, six inches in diameter at perfection, by four and one-half inches deep, and is globular, with large guard petals, the center petals crimped. It is an early sort and the plants average thirty-four inches high.

Pæonia Magnifica is a splendid mid-season sort, a deep rose-red, very double, the flower large, averaging five and one-half inches in diameter by two and one-half inches deep. There is no seed center. The plants are about thirty-six inches high.

The accompanying illustrations of the sorts described are from photographs taken last spring by Wm. A. Peterson.

Duplicate Names Among Paeonias.

So many people in different countries are raising pæonias that it is easy for two persons to choose the same name for different seedlings. For instance, Mrs. Pleas, a well known amateur in Indiana, developed a fine pæonia which she wanted to send out, and named it Admiral Dewey. But a pæonia of that name heads the list of the largest grower in the world, James Kelway, of England, and at my suggestion Mrs. Pleas changed the name of her variety to Gen. Lawton, and under that name it was purchased by P. S. Peterson & Son, of Chicago.

H. A. Terry, of Crescent, Ia., has named over ninety of his seedlings and put them on the market. Kelway has a Venus, and Mr. Terry gave one of his the same name, but I don't think it compares at all with Mr. Kelway's. The latter has also sent out the Prince of Wales, which is a flower of marvelous beauty, and Mr. Terry has one with that name. Each has a Princess of Wales. This is doubtless quite unintentional, but very annoying and misleading, for purchasers may have an eye on one and get another, quite an inferior sort.

We have too many named varieties of pæonias, about 2000 in all. An amateur will raise a lot of seedlings which look good to him and, although he does not know the best foreign and standard sorts, he plunges in and names a lot of his own productions of no special merit. If a person is going into the business he should have the best sorts in the world and if he can beat them with his seedlings, all right, those are the ones we want. But no new one should be named unless the introducer is sure he has something superior to existing sorts.

J. H. Rosenfield, of West Point, Neb., is a very careful grower and has given us some sorts of superior merit. Last year he had over 500 new ones in bloom. Near them were some of the finest of European introductions. He said to me, let us look these new ones over carefully to see if we can find anything to beat those we already have, but we found only two of especial merit. Mr. Rosenfield is an enthusiast and will soon have several thousand new ones to pick from.

When you can beat our two American sorts, Richards' Rubra Superba, and Perfection, send them on. In the white and gold get something ahead of Triumphe de Paris, J. Descaisne or Agnes Mary Kelway. In white beat Baroness Schroder and Festiva Maxima. In pink go ahead of Lady Bramwell and Humei. Beat these if you can, and we will all want them. C. S. HARRISON.

BENCH OF CARNATION ADONIS AT CRAIG & SON'S, PHILADELPHIA.

Propagating Norfolk Island Pine.

ED. AM. FLORIST:—Where can I obtain the seed of Araucaria excelsa? When is the proper time to plant them? What kind of treatment do they require? Which makes the better plants, seedlings or cuttings? If cuttings make better plants, where can I get the cuttings? What kind of soil do they require and at about what temperature should they be kept? How long does it take to root them?

M. C. W.

Seeds of Araucaria excelsa may be had from the leading seedsmen, and should be sown just as soon as received, the autumn being probably the safer season in which to buy them. This seed does not retain its vitality for any great length of time, but usually keeps better when allowed to remain in the cones until the time for sowing. Sow the seeds in boxes or flats filled with rather light soil, and place the flats in a partially shaded greenhouse with a temperature of 55°, where they will probably take several months to germinate.

Cuttings make much better plants than the seedlings, the latter being rather thin and poorly furnished at the bottom. The cuttings are gotten by taking off the tops of seedling plants or else by cutting back some old plants and then taking off the young shoots that form around the top of the cut-back plant. These young shoots are taken off with a heel of the old wood attached and are planted firmly in small pots without trimming off any of the leaves from the cutting. Some propagators use sand or sandy soil for the cuttings and some prefer cocoa fiber. The cuttings should be placed in a frame, so that the atmospheric moisture may be regulated, but they do not need a higher temperature than 55° to 60° and should not be allowed to get dry at any time, and should also be protected from the sun. Under such conditions and with proper attention araucaria cuttings are likely to root in about three months W. H. TAPLIN.

Peristrophe Speciosa.

The accompanying illustration shows a plant of Peristrophe (Justicia) speciosa in a 7 inch pot. It is a useful and interesting subject, both for the amateur and professional grower. Of easy culture, it

PÆONIA MAGNIFICA.

PÆONIA MODELE DE PERFECTION.

PÆONIA POTTSII ALBA.

THREE PÆONIAS USEFUL TO THE GROWERS FOR CUT FLOWERS.

adapts itself to varying conditions, flowering equally well in a cool house, palm house or the dwelling. Its natural and evenly branching habit gives it the appearance of having much care bestowed upon its training, and for the greenhouse or window it leaves little to be desired for lasting qualities and freedom of bloom. The flowers are dark pink, almost purple, and disposed in loose panicles on every growth, the season of flowering being from December to March.

The feature of its cultivation is rooting the cuttings in spring, potting into 3-inch pots and planting in the garden, about two feet apart, to be lifted in the autumn and potted into their flowering pots. But being a plant of rapid growth the final size desired must be determined at planting time. Practical experience has shown that spring planting will produce plants large enough for 12-inch or 14-inch pots, but for plants that can be accommodated in 6-inch or 7-inch pots planting out should be deferred until June or July. This, with an occasional hoeing, will give more satisfactory plants than can be secured by pot culture throughout.

The question of soil is not important but when established in their flowering pots, manure water is decidedly beneficial. This plant possesses many features of merit for the gardener or local florist, its appearance being at once striking and its management as described comparatively easy. FRANCIS CANNING.

Boston.

TRADE INACTIVE AND STREET MEN MOVING MUCH OF THE RECEIPTS.—GOOD PLANTS SHOWN AT HORTICULTURAL HALL.—NICE WINDOW DISPLAY.—VARIOUS DOINGS OF INTEREST.

A very dull and lifeless flower market exists here at the present time; prices have gone all to pieces and it is next to impossible to find a sale for much of the material which is coming in daily. The street men are happy in the opportunity to secure good stock at their own figures and in the warm weather which permits them to expose the goods on their stands, and if it were not for their help the returns for the growers would be far worse than they are. All kinds of material are abundant but bulbous stock and violets are the most heavily overstocked.

At Horticultural Hall, last Saturday James Garthley, gardener for H. H. Rogers, showed for the first time in this country Saxifraga sarmentosa tricolor superba and received therefor a silver medal. The plant resembles the well-

PERISTROPHE (JUSTICIA) SPECIOSA.

known S. sarmentosa in form but the foliage has a heavier, more wax-like texture and the coloring of red and white is exceedingly fine, giving the same effect as a tricolor geranium. J. E. Rothwell received a certificate of merit for Cypripedium Edmund Rothwell (C. Sallieri Hyeanum × C. Hookeræ) and H. H. Hunnewell a silver medal for Odontoglossum Midgleyanum.

Ed. McMulkin has been giving his fellow retail florists an object lesson in window display. Recently his immense show window has been a veritable "symphony in yellow." Daffodils, genistas, tulips, acacias, primroses, yellow pansies and carnations with a judicious use of ribbon and lace of corresponding color were made use of in large quantities, with gorgeous results.

At the meeting of the Horticultural Club last week Fred. L. Harris was elected an honorary member. Unfortunately, Mr. Harris is at present in very poor health and his condition for the past few weeks is quite serious.

The hearing before the legislative committee on metropolitan affairs, on the question of placing Boston Common and public grounds under the care of the park commission, will be held at the State House on March 24.

Fred. R. Mathison and W. J. Stewart started on Sunday for Asheville, N. C., to attend the annual meeting of the executive committee of the S. A. F.

The executive committee of the Association of New England Park Superintendents will meet at the Quincy House, Boston, on March 27.

New York.

MARKET IN A SADLY OVERLOADED STATE.—LITTLE RETAIL DEMAND AND GREEKS MASTERS OF THE SITUATION.—TROY FAMILY HAS A TRYING EXPERIENCE.—VARIOUS NOTES.

Things are in a most discouraging condition this week, from the standpoint of the grower and the wholesale dealer. The daily receipts in all lines of cut flowers are tremendous and the wholesalers are hard pressed to find an outlet for it. Those retailers who are so fortunate as to have any demand just now are in luck and should make money, for they can buy goods at any price they like to offer, and the Greeks are supremely happy, as they realize that they are practically masters of the situation. The quantity of violets coming in is unprecedented, amounting to many

hundreds of crates daily. The violet growers are belligerent regarding the prices realized but, nevertheless, are very generally inclined to ascertain the price of greenhouse glass with a view to further building this season.

J. H. Troy, with his wife and little boy, had a narrow escape on the night after the big snow storm while returning to New Rochelle from Mamaroneck, where they had been visiting some friends. Their sleigh became stuck in a drift and the horse broke away, leaving the party in the deep snow half a mile from the nearest house, to which Mr. Troy had to find his way for assistance. On his return the sleigh was found completely buried in the snow but Mrs. Troy and the little fellow were all right, although it took some days to recover from the effects of the exposure.

George Shubert is bringing in some pretty little novelties in the form of tiny ferns in 1 inch flower pots. They sell at sight.

Visitors: H. H. Battles, Philadelphia; Dr. Little, Glens Falls, and F. R. Mathison, Boston. The latter in company with Alex. Wallace and Secretary Stewart has gone to the S. A. F. executive meeting at Asheville.

Chicago.

MARKET EXPERIENCES A PRONOUNCED CHANGE FOR THE BETTER. — CUTS REDUCED AND DEMAND INCREASES. — STOCKS WELL CLEANED UP.—PROSPECTS FOR EASTER.—NOT VERY MANY FLOWERING PLANTS. — WHOLESALERS ORGANIZE.—THE GREEKS ARE RENTING STORES.—DOINGS OF THE GROWERS.—A VARIETY OF PERSONAL NOTES OF INTEREST.

With the change to cool weather stocks shortened up very considerably, the decrease in receipts being particularly noticeable in carnations. At the same time business received a lively impetus through the advent of Prince Henry in the west, and first-class stock has been well cleaned up this week. The shipping trade has been excellent and local business good, particularly on Monday, when Prince Henry decorations cleaned up everything which was to be found in the market. There were three very fine displays made for the royal visitor. One was at the First Regiment Armory for a reception and sangerfest on Monday evening. Mrs. Hilmers did the floral part of the work. For the great ball given at the Auditorium Monday evening, Hauswirth did the banquet room and Friedman the ball room. The work in the supper hall was particularly elaborate, and these may be classed as among the finest decorations ever put up in Chicago. Wienhoeber had the order for the Germania Club decoration for the luncheon given to Prince Henry on Tuesday afternoon and it was a most lavish and well executed affair. Wienhoeber also made the wreath which Prince Henry laid at the foot of the monument to Abraham Lincoln at Lincoln Park. During the Prince's visit to this city Mrs. Chas. Eickholt, of Galveston, Texas, whose brother is a member of the German Reichstag, was in town and sent the Prince a very handsome laurel wreath. The call for funeral flowers has also been heavy this week and has kept white stock in particularly good demand. There have been large receipts of bulbous material of all classes and Bridesmaid roses have been a little slow, also lower grade violets, but in general the week has seen a fair market for everything of good quality, the only material affording concern to the wholesalers being the cheaper carnations, which are in fair demand in outside cities but which are very difficult to ship satisfactorily.

The consensus of opinion is that there will be very good supplies for Easter, although of course it will be somewhat difficult to so distribute the stock that every one will get just what he wants unless orders are in early. There will be better supplies of carnations than in a number of years past and large quantities of bulbous stock. Tea roses promise to be in fair crop, but even now Beauties are under the demand and there will hardly be enough of them to meet requirements at Easter. The general report is that lilies will be a shortage, not only in Chicago but throughout the country. Sam Pearce is almost the only local grower who reports good success and such growers as Emil Buettner say that they think lilies ought to run easily 15 cents to 20 cents per white bud for what would be called good stock. In other respects the Easter price-lists are likely to follow very closely those of last year. There is no great variety in the plant stock available for Easter. There are not many lilies but plenty of azaleas, cinerarias, cyclamens and so forth and a few hydrangeas, Ramblers and rhododendrons.

The Chicago Wholesale Cut Flower Association was regularly organized last Tuesday afternoon by the election of F. F. Benthey, chairman; John P. Risch, secretary, and E. C. Amling, treasurer. E. B. Pieser and Leonard Kill were appointed to secure a place for the meetings, which will be held regularly every Tuesday afternoon, until further notice. Practically all of the wholesalers are included and many plans are under consideration for the advancement of the interests of the producing end of the business. There are many points upon which concerted action will redound to the profit of the grower and the selling agent and these matters it is proposed to consider in this new organization.

The street fakirs are being rigorously excluded from the streets but a great many of them have already secured locations where they can do business. Several of them have rented very nice stores on short time leases and are handling quite a bit of stock, but in general they want better goods than they handled from their sidewalk baskets.

Hugh McMichael, who has been grower at the Morton Grove Greenhouses for some time, is en route to Scotland for a three months' visit. He has made a contract with Weiland & Risch to return to Chicago June 1 and take charge of the rose growing department of their business. He is one of the best growers for the Chicago market.

Benthey & Co. are at work with the material for their new greenhouses at New Castle. They propose to rush the building as soon as they can get into the ground and have the new houses planted with Beauties early in May.

Kennicott Bros. Company sold the United States government a large invoice of violet plants this week for shipment to the Agricultural Department's violet experiment farm near Washington.

Bassett & Washburn say there is a constantly growing demand for Prosperity. It is a splendid shipper. They are selling it now at 8 cents in comparison with Mrs. Lawson at 3 cents.

Jules Tetlow, gardener at the Douglas Monument Park for many years, died February 28.

The Guardian Angel Orphan Asylum is building five sections of the Dietsch patent short-roof construction, each house being 280 feet long.

O. F. Kohl, H. C. Kohl and M. H. Seely have incorporated to do business and give information with regard to freight rates.

Mr. and Mrs. O. P. Bassett are expected home from Palm Beach, Florida, early next week.

John Degan, of the McKellar & Winterson Company, is in New York this week.

There is a fine display of cinerarias at the Lincoln Park conservatories.

Visitors: Wm. Dittman, New Castle, Ind.; E. F. Lempke, St. Paul, Minn.

Philadelphia.

CLUB DISCUSSES THE INTRODUCTION OF NEW ROSES.—THE DIFFICULTIES AND THE ETHICS. — GROWERS SAY OPERATION IS EXPENSIVE.—BUSINESS IS POOR BECAUSE OF UNFAVORABLE WEATHER.—BUYERS MAKE PRICES.—VARIOUS NOTES.

The committee on essays is to be congratulated for the treat with which they served the club at its March meeting, last Tuesday night. In answer to their request John May was present with a vase of his beautiful new rose, Mrs. Oliver Ames, and very valuable papers were sent by Messrs. E. G. Hill, Ernst Asmus and Alexander Scott, for which they received the thanks of the club. The subject was: "Which is the best way to disseminate a new rose that is likely to prove valuable for cut flowers in the winter season?" Mr. May spoke of the expense and difficulties that confronted the introducer of a new variety. At least one large house must be filled with the plants to show what it will do and to provide a good lot of cut flowers for exhibition purposes. This has to be run at a loss for one or two years, as if the roses are sold they can be propagated. It should have all the newspaper notoriety it can get. When the time advertised for sending it out arrives a large stock of young plants up to the standard of other kinds should be ready, as nothing is so disappointing to prospective buyers as to receive poor stock or be put off from time to time with excuses.

Robert Craig spoke of the introduction of the American Beauty. He said its history was like a romance. A few men went down to Washington in answer to an invitation from Mr. Fields, accompanied by a few flowers, and were so much pleased with the rose that they bought all the stock at once. In discussing the papers of Messrs. Hill, Asmus and Scott the idea of protecting the introducer of a new variety by some sort of legislation was favorably thought of, if it is feasible. Mr. Battles thought that a new rose could be registered with the secretary of the national society and members of the same held to their honor not to offer it for sale for a specified time, or if so to be read out of the society. Mr. Craig liked Mr. Battles' idea and he referred to the moral sentiment which became an unwritten law and thought a plan might be perfected that would be effective. Mr Burfee sent a telegram which read: "You are holding a symposium which means feast, while to send out a new rose means famine." It was agreed by those present that it was a well spent evening; may there be many more.

Business has been very poor the past week, caused mainly by the weather, which has been wretched. Nearly all flowers are now held at buyers' prices.

Special lots of flowers have been sold at very low prices, such as $10 per thousand for daffodils. Roses are plentiful, extra Beauties going at $6 per dozen and select teas at $10 per hundred. Carnations hold up well, $1.50 to $4 being the price. Violets, best doubles, are 50 cents, sweet peas $1 to $1.50 per hundred; lily of the valley is $2 to $4, daffodils $2 to $3 and tulips $3 to $4.

B. Eschner, of M. Rice & Company, who was called home on account of the death of Mr. Rice's mother, is off on his route again. He reports a good trade.

Jacob Becker, who has been very ill, is now, we are glad to say, on the road to recovery. K.

Cleveland.

TRADE SHOWS AN IMPROVEMENT OVER PRECEDING WEEK. — STOCK SHORTENS UP.—A VIOLENT WIND STORM —STOCK IN GOOD SHAPE FOR EASTER.—JOTTINGS.

Business for the past week has shown a decided improvement over the previous one. Several large funerals have called for a good deal of floral work and colder weather has set in, which will have a tendency to shorten supplies. Roses and bulbous stock have been a decided drug on the market. Carnations were not quite so bad. A violent wind storm passed over Cleveland on the morning of February 27, doing considerable damage to the trees in the parks and some damage to greenhouse property, quite a number having glass blown out and in some cases ventilators uplifted and turned over. Those on the East End suffered most, the west siders not catching the full violence of the storm. The show window of Smith & Fetters' store was broken and a show case damaged. The contents of the store did not suffer to any extent.

Adam Graham has a fine lot of hybrid roses which will be about right for Easter. He grows quite a variety of the old stand-bys, such as Baroness Rothschild, Bonstetten; Eugene Furst, Brunner, Magna Charta and a number of other good sorts, including a selection of the hardy tea varieties. The Magna Charta will average from twelve to twenty flowers per plant. His loss is about forty per cent in lilies. The bedding stock looks fine, house after house of geraniums in 3-inch pots in the pink of condition. It was quite a treat to hear an impromptu speech by the junior member of the firm, A. H. Graham, on the divergence of methods as applied to floriculture at the present time. It will be in order to endeavor to have him exploit his views in the shape of an eassy before the club in the near future.

A call upon a few of the growers found things in a fairly satisfactory shape for Easter. Rambler roses seem to take the lead as an Easter plant, nearly every grower having a bunch of more or less magnitude, all in good shape and just right for Easter. The same cannot be said of lilies, which, from present indications, promise to be a scarce commodity. The miserable grade of bulbs is in nine cases out of ten to blame. It is very provoking when time and space are given to an article which turns out a fizzle in the end.

Casper Aul has the best grown cinerarias I have seen for some time, nice stocky plants covered with flowers. His stock of azaleas for Easter is good. Much space is devoted to bedding stock, which is in good shape. Mr. Aul is thinking seriously of adding to his glass area and installing a steam heating plant.

G. M. Naumann is cutting some extra fine Princess of Wales violets, which so far have found a ready market. He grows quite a variety of pot roses, which are in fine shape and will be all right for Easter. Some good spiræas were in evidence.

Mrs. S. E. Lyman, of Coe Ridge, O., owner of the Essex Greenhouses, met with a serious accident last week. While ascending the steps to her house she slipped and fell, breaking her arm and receiving severe internal injuries

S. N. Pentecost has a nice lot of Ramblers, well trained and well flowered. He, in common with the rest, has good cause to "kick" over the lily trouble.

Herman A. Hart was confined to the house for the whole week following his trip to the carnation convention.

Visitors: Robt. George, Painesville, O.; Ed. Fancourt, representing S. S. Pennock, Philadelphia, Pa. ECHO.

Indianapolis.

SOCIETY HOLDS LIVELY MEETING.—DISCUSSIONS OF THE CARNATION SHOW.—A BALANCE LEFT IN THE TREASURY.—OTHER NOTES OF INTEREST.

A fair number assembled at a very early hour for the meeting of the State Florists' Society, held March 4. The "boys" evidently turned up so early to discuss greenhouse building with their friends. Much interest was taken by all present. The meeting opened with a report by Henry Rieman, chairman of the finance committee in charge of the carnation convention matters. Mr. Rieman in former meetings wore the worried expression of the man who has to make both ends meet, but this time he was beaming with satisfaction and said: "Gentlemen, I have the pleasure to announce that we were able to carry out our programme to a dot and without a single hitch; also that we have quite a balance on hand for a future occasion." The details of the report were drowned by the boys' cheering. After the report was heard President Haugh discharged the various committees, thanking them for their good work

A. Baur read a paper on the carnation exhibit. He said that he considered the exhibition the finest ever held in the world, and he says it swelled his Hoosier pride to notice that one-third at least of the varieties originated in this state. The progress made in carnation culture, the speaker remarked, was made in regard to stem, habit and form, rather than in size of flower. Three and one-half inch carnations were known to exist ten years ago as well as to-day. The show he thinks was a grand thing for the florist trade, as many of the thousands of visitors we had at the hall bought their first flowers there. Mr. Baur suggested that smoking should be prohibited in the exhibition hall as well as in the packing place. The speaker remarked that smoke in a surprisingly short time will kill the fragrance of a flower. A bunch of very fragrant flowers which left his place in a very few hours had changed their fragrance for the odor of smoke in the exhibition hall.

In the discussion which followed, Messrs. Haugh and Hartje contradicted him in regard to tobacco smoke, claiming that the fragrance very soon leaves flowers after they are cut, and that a man, after being at the exhibition for any length of time, will become insensible to the fragrance of the flowers. The discussion showed that the great Lawson is gaining in popularity.

The secretary was instructed to express the thanks of the association to a number of contributors for the kind support they gave the carnation show.

Mrs. Larsen has sold her place, and it is now rented by a Mr. Edwards.

John Heidenreich is in the market for a new boiler.

Irvin Bertermann has been on the sick list. H. J.

Meetings of Florists' Clubs.

The accompanying list gives the cities in which there are active florists' clubs. Following the name of the club is the place of meeting, the day of meeting, the hour and the name and address of the secretary:

BALTIMORE, MD.—Gardeners' Club of Baltimore, Royal Arcanum building, 18 W. Saratoga street. Second and fourth Mondays of each month, at 8 p. m. John J. Perry, Sec'y, Gay and Eager streets.

BOSTON, MASS.—Gardeners' and Florists' Club of Boston, Horticultural Hall. Meets second Tuesday of each month. W. E. Fischer, Sec'y, 18 Union Terrace, Jamaica Plain, Mass.

BROCKTON, MASS.—Brockton Gardeners' and Florists' Club, store of W. W. Hathaway, Times Building. First and third Tuesday of each month, at 8 p. m. W. W. Hathaway, Sec'y, Brockton, Mass.

BUFFALO, N. Y.—Buffalo Florists' Club, 481 Washington street. Second Wednesday of each month, at 8 p. m. Wm. Legg, Sec'y, 1440 Delaware avenue, Buffalo.

CHICAGO, ILL.—Chicago Florists' Club, Handel Hall, 40 Randolph street. Second and fourth Wednesday of each month, at 8 p m. George Wienhoeber, Sec'y, 413 Elm street, Chicago.

CINCINNATI, O.—Cincinnati Florists' Society, Jabez Elliott Flower Market. Second Saturday of each month, at 8 p. m. Geo. S. Bartlett, Sec'y, 113 East Second street.

CLEVELAND, O.—Cleveland Florists' Club, Progress Hall, 244 Detroit street. Second and fourth Mondays of each month, at 8 p. m. Isaac Kennedy, Sec'y, Woodcliffe, Lake avenue, Cleveland,

DENVER, COL.—Denver Floral Club, 323 Charles Block. Second and fourth Friday in each month, at 8 p. m. F. T. Rushmore, Sec'y, 2316 Franklin street.

DES MOINES, IA.—Des Moines Florists' Club, at various florists' establishments. Last Monday in each month, at 8 p. m. J. T. D. Fulmer, Sec'y 702 Walnut street, Des Moines.

DETROIT, MICH.—Detroit Florists' Club, Cowie Building, Farran and Gratiot avenue. First and third Wednesday of each month, at 8 p. m. J. F Sullivan, Sec'y, 214 Woodward avenue.

INDIANAPOLIS, IND.—State Florists' Association of Indiana, Commercial Club rooms, Indianapolis. First Tuesday of each month, at 8 p. m. R. A. McKeand, Sec'y, Garfield Park, Indianapolis.

MILWAUKEE, WIS.—Milwaukee Florists' Bowling Club, Plankinton House. Thursday evenings, at 8 p. m. C. C. Pollworth, Sec'y, 137 Oneida street.

NEW YORK, N. Y.—New York Florists' Club, Elk's Hall, 19 West Twenty-seventh street. Second Monday of each month, at 7:30 p. m. John Young, Sec'y, 51 West Twenty-eighth street, New York.

OMAHA, NEB.—Nebraska and Iowa Florists' Society, Fuller's Hall, Fourteenth and Douglas streets. Second Thursday in each month at 8 p. m. Louis Henderson, Sec'y, 1519 Farnam street, Omaha.

PHILADELPHIA, PA.—Florists' Club of Philadelphia, Horticultural Hall, Broad street above Spruce. First Tuesday of each month, at 8 p. m. Edwin Lonsdale, Sec'y, Wyndmoor, Philadelphia, Pa.

PITTSBURG, PA.—Pittsburg and Allegheny Florists' and Gardeners' Club, at rooms of Pittsburg Cut Flower Co., 504 Liberty street. Second Thursday of each month, at 8 p. m. T. P. Langhans, Sec'y, 504 Liberty street, Pittsburg.

PROVIDENCE, R. I.—Florists' and Gardener's Club of Rhode Island. 96 Westminster street, Providence. Second Thursday in each month, at 8 p. m. Alexander Rennie, Sec'y, 41 Washington street, Providence.

RICHMOND, IND.—Richmond Florists' Club, Commercial Club rooms. First and third Fridays of each month. H. C. Chessmann, Sec'y.

ST. LOUIS, MO.—St. Louis Florists' Club, Odd Fellows Hall No. 2, Ninth and Olive streets. Second Thursday of each month, at 3 p. m. Emil Schray, Sec'y, 4101 Pennsylvania avenue, St. Louis.

TORONTO, ONT.—Toronto Gardeners' and Florists' Association, St. George's Hall, Elm street. Third Tuesday of each month, at 8 p. m. W. C. Jay, Sec'y, 438 Spadina avenue.

UTICA N. Y.—Utica Florists' Club, 183 Genesee street. First Thursday of each month, at 8 p. m. J. C. Spencer, secretary.

WEST HOBOKEN, N. J.—North Hudson Florists' Club, store of H. C. Steinhoff, Hudson boulevard, West Hoboken. First Tuesday of each month, at 8 p. m. Geo. F. Kogge Sec'y 616 Washington street, Hoboken.

THE AMERICAN FLORIST

SEVENTEENTH 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.

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.

cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

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-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., Chicago.

THE Lenten season appears to be making small impression on the cut flower trade.

THE winter resorts of Florida are to the Philadelphia flower market what New Orleans is to Chicago.

OUR annual Special Spring Number will be issued next week. It will be a particularly strong advertising medium. Let us have your "copy" early.

IT may not be amiss to mention that the amateur floriculturist would achieve better results did he not exhaust all his enthusiasm in buying the seeds.

Much Practical Help.

ED. AM. FLORIST:—Enclosed is our renewal of subscription. We simply could not do without your paper, finding in it so many helpful articles and getting so much practical information from each number. CLOVERLEAF GREENHOUSES.
Cheshire, Conn.

American Carnation Society.

DEPARTMENT OF REGISTRATION.

Frederick A. Blake, Rochdale, Mass., registers Bonnie Bride, a pure white of good size, form and calyx.

G. M. Naumann, Cleveland, registers Louise Naumann, a deep pink similar in color to its parent, Tidal Wave. It is the result of a cross between Hill, Scott and Tidal Wave, has never bursted a calyx, is a continuous, early and free bloomer, making no surplus growth and is a clean healthy grower.

ALBERT M. HERR, Sec'y.

Most Economical Fuel.

ED. AM. FLORIST:—Being located in Wisconsin, which is the cheaper, hard coal at $7 a ton or soft coal at $5, to heat a greenhouse 16x60 with hot water? How much soft coal will it take to produce the heat of a ton of hard coal?
W. L. S.

For a small plant it will always be most satisfactory if hard coal is used, and even though the house were several times as large hard coal would be found worth twice as much as a good grade of soft coal, after making allowance for the increased care needed by it, to say nothing of the less satisfactory results. Under large boilers, some of the better grades of soft coal will give nearly if not quite as good results as hard coal, so far as the number of pounds of steam per pound of coal are concerned.
L. R. TAFT.

Most Economical Steam Pressure.

ED. AM. FLORIST:—In heating greenhouses with steam which is preferable, high pressure or low pressure boiler? Would the grading of the pipes be the same in either case? J. E. M.

It is always best to carry the steam under low pressure in the coils, and where the boiler is small it will be best to have only a low boiler pressure. In large boilers, and especially if there are a number of houses to be heated, it will give better results if the boiler pressure is from forty to sixty pounds, with the pressure in the coils at five pounds, more or less. The arrangement of the pipes would be the same in both cases. L. R. TAFT.

Floriculture at St. Louis.

Frederic W. Taylor, Acting Chief of the Department of Horticulture of the Louisiana Purchase Exposition, is addressing the following letter to all florists:

This Department desires to hear from the florists of the country as to what they wish to to individually in the way of exhibits at the St. Louis World's Fair. One special reason why this information is necessary at this time is that the proper request for the necessary amount of space may be made and the preliminary plans arranged so that as nearly as possible all exhibitors may have just what they wish in the way of area and location. If you have your mind made up as to what you desire doing will you kindly fill out the application blank I am sending you returning to me at once. Should you not have your mind made up on the subject, will you not write me stating in an entirely informal way what you would do should all the conditions be favorable.

I think that it is freely admitted that one of the greatest attractions of the Pan-American Exposition was its outside flower show. It seems to me entirely reasonable to feel that the best thing ever done in the world should be worked out along that line of exhibits in St. Louis. Will you do your part toward this by favoring this office with an early reply indicating not only what you would like to do if conditions are favorable, but what may occur to you as improvements which might be made in that feature.

Forcing for Easter Bloom.

ED. AM. FLORIST:—Last fall I bought some rhododendrons of the forcing varieties. I have them in a cold frame outside, well set with buds. When should they be brought into the greenhouse to bloom for Easter, and at what temperature should they be kept? I also have some Azalea Mollis which I should like to flower for Easter. How should I handle them? E. E.

The time is rather short for forcing rhododendrons for Easter, and it is to be hoped that "E. E." will have brought the plants in question into heat before this query appears in print. Five to six weeks is not too much time to allow for forcing rhododendrons, the flowers having more substance and consequently lasting much better when the plants have not been forced too hard. But under the circumstances the best thing to do would be to place the plants in a light greenhouse, where a night temperature of 60° to 65° is maintained, and to syringe them thoroughly twice a day until the buds show color. This is rather a high temperature for rhododendrons of the hardy section and better results may be expected when the plants have been allowed a longer time in a temperature of 50° to 55°. Azalea Mollis does not require so long a period of forcing to bring them into flower, and it is quite likely that these may be brought in satisfactorily. A night temperature of 60° and similar treatment in regard to syringing to that suggested for the rhododendrons ought to bring the azales on fast enough to allow a few days in a cold house to harden them off before Easter.
W. H. TAPLIN.

Best Early and Late Chrysanthemums.

ED. AM. FLORIST:—Please name the ten best early blooming chrysanthemums of the various colors, also five to ten of the best late bloomers. C. W. E.

For the best ten earlies I would select the following: Lady Fitzwygram, white; Marquis de Montmort, pink; Yellow Fitzwygram, yellow; Monrovia, yellow; Ivory, white; Pink Ivory, pink; Glory of Pacific, pink; Soleil d' Octobre, yellow; Yellow Queen, yellow, and Robert Halliday. The first four are extra early. The best late bloomers are Mrs. Jerome Jones, Yanoma and W. H. Chadwick, white; Mrs. S. T. Murdock, Superba and Lavender Queen, pink; Yellow Jones, Golden Wedding and W. H. Lincoln, yellow; Intensity, crimson. C. W. JOHNSON.

To Burn Texas Oil.

ED. AM. FLORIST:—I am contemplating the use of oil for fuel, under an eighty-five horse power steam boiler twenty feet long, four feet in diameter. What will be the cost of equipping the boiler for oil? Coal is $3 per ton and very poor. Will there be an economy in the use of oil in New Mexico. I am heating two houses 20x100 and one 20x40, ten feet to ridge. There is 1400 feet of 1¼-inch pipe in the large houses and 120 feet of 2-inch pipe in the small house. Fuel is at present costing $20 per month on the average. J. S. B.

The cost need not be large, being merely for a tank for storing the oil, piping and valves for carrying oil and steam to be burned and the burner itself. If some of the more simple burners are used and the tank holds no more than five barrels the cost should not be more than $25. The relative value of the oil and coal would be determined by the cost of the oil and the quality of the coal. Oil at 75 cents per barrel is as cheap as a good grade of coal at $3 per ton. If the statement is understood there are less than 700 square feet of radiation in the three houses. For this a fifteen horse-power boiler would be ample, and where fuel is expensive the cost of a small boiler would soon be repaid by the saving in fuel as compared with the expense of running an eighty-five horse-power boiler. Considering the amount of radiation in the houses, the fuel bill is high.
L. R. TAFT.

American Beauty and Robert Scott.

ED. AM. FLORIST:—I have a bench of Robert Scott roses that have not made much growth since the plants were benched in September. The soil was composted some time before, and was composed of eight parts sod, four parts cow manure and one part sand and lime. I have strived to keep the day temperature about 70° to 75° and at night 60° to 65°. The foliage is apparently healthy and of good color. Please advise me what to do in order to get good growth and bloom. All the other roses in the same house are doing well, with the exception of American Beauty. The latter are sending up long shoots of nearly all blind wood and produce no blooms. How can this be overcome? Any information on this subject through your paper will be favorably accepted.
SUBSCRIBER.

To grow Robert Scott successfully with a night temperature of 60° to 65° is, I think, out of the question. We are growing several benches of it and find 58° at

night the most heat we can afford to give it. The greatest trouble with this beautiful rose is that it will persist in producing buds on every shoot, no matter how small or weak it may be, and the only way to get a fair length of stem to the flowers is to pick off all the buds from the short stems and induce them to make a second growth from where the bud is pinched out. Robert Scott will be more appreciated as a perpetual summer blooming variety than for forcing in winter.

Regarding the American Beauty producing very long shoots nearly all blind, this may be expected from such high night temperature. Reduce this to a maximum of 60° at night and give all the air reasonable during the day to harden the growths a little and as the sun gains power they will set buds more freely.

JOHN N. MAY.

OBITUARY.

THOMAS WELFER.

Thomas Welfer, Sr., of Pittsburg, aged 72, died February 24, after an illness of three months. He was born in Germany, and came to this country fifty-five years ago, settling in Harrisburg. From there he moved to Pittsburg in 1870, and since that time had been in the florist business. He is survived by Mrs. Welfer, five sons, George, Thomas, William, John and Frank—and three daughters—Miss Kate, Mrs. William Hasley and Mrs. John Sutch.

Catalogues Received.

The Goulds Manufacturing Company, Seneca Falls, N. Y., sprayers and pumps; D. M. Andrews, Boulder, Col., wild flowers; The Acme Chemical Company, Ltd., Tonbridge, Lancashire, England, weed killer; Geo. C. Watson, Philadelphia, seeds; W. Atlee Burpee & Co., Philadelphia, prize supplement; George B. Moulder, Smith's Grove, Ky., water lilies; Rennie & Pino, Providence, R. I., wholesale and retail seeds; Wilhelm Pfitzer, Stuttgart, Germany, seeds and plants; American Blower Company, Detroit, Mich., steam traps; Texas Seed and Floral Company, Dallas, Texas, seeds, plants and bulbs; The Storrs & Harrison Company, Painesville, O., seeds, plants and trees; John H. Sievers & Co., San Francisco, Cal., carnations; John N. May, Summit, N. J., plants; Frederick W. Kelsey, New York, trees and shrubs; Webster's Nursery, Centralia, Ill., trees, plants, seeds, etc.; J. D. Thompson Carnation Co., Joliet, Ill., carnations; Jno. D. Imlay, Zanesville, O., seeds and plants; Kohler & Rudel, Windischleuba-Altenburg, Germany, wholesale and retail seeds and plants; Vaughan's Seed Store, Chicago, seeds, plants and bulbs; F. Sander & Co., St. Albans, England, orchids; V. Lemoine & Son, Nancy, France, plants; Herbert A. Jackson, Portland, Me., trees and shrubs; T. S. Hubbard Company, Fredonia, N. Y., grape vines and fruit plants; Mrs. Theodosia B. Shepherd, Ventura-by-the-Sea, Cal., seeds, plants and bulbs; Frank S. Platt, New Haven, Conn., seeds; California Rose Company, Los Angeles, Cal., roses; T. R. Watson, Plymouth, Mass., trees and shrubs; Puget Sound Nursery and Seed Co., Seattle, Wash., seeds, plants, bulbs and trees; Plant Seed Company, St. Louis, Mo., seeds; Bobbink & Atkins, Rutherford, N. J., plants.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (six words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1902 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—By experienced single florist and gardener, commercial or private place. Address COMPETENT, Am. Florist.

SITUATION WANTED—By German 35 years of age; 19 years' experience. First-class worker; sober. F C, care American Florist.

SITUATION WANTED—By young man, age 22, three years' experience in general greenhouse work. Best references. C. DAVIS, Belleville, Ont.

SITUATION WANTED—As foreman or to take charge. Roses, carnations, violets and chrysanthemums a specialty. Ready to start March 15. Married; no children; best reference. Address G L, care American Florist.

SITUATION WANTED—As working foreman by practical florist as grower of roses, carnations, violets, 'mums and general stock, 35 years' experience; age 49; single; English. G H M, care Jas P. Boyle, Florist, Lyons, N. Y.

SITUATION WANTED By sober industrious young man, 28 years of age; married; 12 years' experience in cut flowers, ferns, palms and general stock. Best of references. Northern states preferred. J A, care American Florist.

SITUATION WANTED—By practical florist and gardener, competent to take charge of gentleman's country place; greenhouses, fruits, vegetables etc. Eight years on last place; good reference. German; married. GARDENER, Box 171, Attica, N. Y.

SITUATION WANTED—As foreman by thoroughly practical florist. Good decorator, designer, etc. Grower of No. 1 roses, carnations and 'mums. First-class commercial or private position. Good wages expected. Address G. FOREMAN, care P. O., Canton, O.

SITUATION WANTED As manager or foreman in an up-to-date place, middle age, married, A. No 1 grower of roses and general stock. The carnation blooms which I grew this season measured from 3 to 3½ inches in diameter; good propagator, designer and decorator, in fact well up in all branches. Reason for change, place is to be sold. Reference first-class. State wages. Address B A, care American Florist.

WANTED—Second-hand glass, suitable for sash, 10 inches between bars. W. P. RANSON, Junction City, Kan.

WANTED—One or two good makers-up, either male or female. Address AMERICAN ROSE CO., Washington, D. C.

WANTED Single, experienced young man to grow greenhouse plants. Wages $35 00 and board. T. LEE, Del Monte, Cal.

WANTED—A young man with some experience in greenhouse work. State wages with board. M. I. O'BRIEN, Sharon, Pa.

WANTED—Young man with some knowledge of rose growing and greenhouse work. State wages wanted with board. R, care Am. Florist.

WANTED—First-class decorator and designer; must be of gentlemanly appearance and good address. C. A. SAMUELSON, 2129 Michigan Ave., Chicago.

WANTED—Good truck gardener; married man preferred; permanent place for good man. Give references when writing. Address FORREST'S GARDEN, Washington, Pa.

WANTED—Two experienced clerks for seed store. Must be good counter men. Send references stating salary expected and full particulars. B, care American Florist.

WANTED—Young man with some experience for general greenhouse work, commercial place. State age, experience, where last employed and wages per month with board. Address, GEO. S. BELDING, Middletown, N. Y.

WANTED—A man who understands carnations, 'mums and general greenhouse work. State particulars and wages expected without board. N. ZWEIFEL, 14th St., and Groeling Ave., Milwaukee, Wis.

WANTED—Exceptionally expert rose grower for large private establishment. Only those of highest reputation and best references from noted rose growers need apply. State wages required. W H, care American Florist.

WANTED—Single man who understands growing vegetables under glass and out-doors: one with some knowledge of growing small fruits preferred. State age, experience and wages expected with board and lodging. J. W. THOMPSON Mt. Pleasant, Iowa.

WANTED—Young man with some experience in growing general stock, such as roses, carnations, geraniums, etc. Growing town and business and proportionate chance for advancement. Want a bright, ambitious young man, willing to work. Give experience and salary expected. Address ILLINOIS GROWER, care American Florist, Chicago.

FOR SALE OR RENT—Greenhouse and dwelling in Pittsfield, Ill., (only greenhouse in Pike Co.) Price $1,500. Address GEO. HANSEN, Springfield, Ill.

FOR SALE—Dwelling and greenhouses (no stock), centrally located in city of 4,500. Long established, paying business. No competition; 3,200 feet of glass. Cause, death of owner. MRS. MARY BEZNER, Ex., Jerseyville, Ill.

FOR SALE Fine florist and garden business; good running order; 8,000 feet of glass well stocked; 10 acres best soil. Live town of 13,000. Fuel cheap, surrounded by mining towns. Good reason for selling. Full particulars by mail. PITTSBURG FLORAL CO., Pittsburg, Kan.

FOR SALE—In Ravenswood, Chicago, fine plant of greenhouses, 20,000 feet of glass, good house, 6 rooms and bathroom. All in good running order. Within one block of three lines of electric cars. A bargain. Address CHAS. E. NASLUND, 1829 Lincoln Av., Chicago.

FOR SALE—At a bargain. 9 greenhouses, well stocked with roses, carnations, lilies, palms, ferns and general stock for spring sales. Office, work shed, steam heat; have block of land, 8-room house, barn; 13 blocks from business center; street cars pass the door. Address MRS. GEO. WALDBAUER, 1317 N. Michigan Ave., Saginaw City, Mich.

NOTICE. I have 4 500 square feet of glass; this city needs 50,000 square feet of glass; the trade has outgrown my capacity for handling it, and I am going to retire. Any party or parties who are desirous of enlarging the business and take it up where I leave off, I will give them all information needed. None but parties meaning business need answer.

W. J. MILLER, 403 E. Water St., Pontiac, Ill.

$300 Per Month.

Do you want it? If so, buy me out NOW, at your own price. Good reasons. 15,000 feet. It costs you a postal card to have particulars.

C. S. FITZSIMMONS, Lansing, Mich.

HIGH GRADE BUSINESS OPENING

If you are a thoroughly competent and practical nurseryman or florist, or are capable of handling the commercial part of the business, and are able to take corporate interest in established company three to five thousand dollars, with proportionate voice in management, you can secure such an interest in as good a proposition as is on the Pacific coast. Give definite information, experience, etc., or no attention. Address, "BUSINESS," care American Florist.

If you want to get the want you want to get, you want to get your want ad into the

AMERICAN FLORIST

Try it now.

Every advertisement represents a genuine want. It pays to answer them.

Minneapolis.

BAD WEATHER AND A SURPLUS OF STOCK. —BUYERS MAKE THE PRICES.—VARIOUS NOTES.

The week's business taken as a whole was not very good, but pursued an even tenor right through. The weather was the most disagreeable in a long while, beginning with a cold rain, changing to snow the latter part. There was a surplus stock of all kinds, especially Bridesmaids and Brides, causing a decided drop in prices. Daffodils and tulips are increasing on the market.

Friday night a bowling contest was to have come off at St. Paul between the Twin City bowlers, but the stormy weather kept too many inside. However, those attending had a jolly good time in general.

Miss Julia Ellis, in the flower department of Donaldson & Company, has not been in her usual place for a few days on account of illness

R. Wessling, on Nicollet avenue, has one of the latest improved ice boxes for cut flowers, and it is certainly an attractive feature.

A severe storm Saturday caused a delay in shipments arriving from the east.

C. F. R.

EDWARDSVILLE, ILL.—J. F. Ammann is preparing to put up a range of new short-roofed greenhouses.

GALAX BRONZE or GREEN

75 cents per 1000, in 2000 lots or over; single 1000, $1.00.

Also small Green Galax for Violets.

WILD SMILAX,

50 lb. case, $3.00. 35 lb. case, $1.50. 25 lb. case, $3.50.

PALM LEAVES, $1.50 and $2.00 per 100.
FERN, Fancy, $2.00 per 1000.
FERN, Dagger, $1.25 per 1000.

L. J. KRESHOVER,
110-112 W. 27th Street, NEW YORK.
HARRY A. BUNYARD, Mgr.,
38 West 28th Street, NEW YORK.
Telephone, 798-799 Madison Sq.

HEADQUARTERS FOR..... **Green Goods**

Where you never get disappointed. We always have the stock on hand and of the best quality.

FANCY and DAGGER **Ferns,** $1.50 per 1000.

Discount on large orders.

BRILLIANT BRONZE AND GREEN GALAX, 75c per 1000 in 5000 lots. Satisfaction guaranteed.

SELECTED SOUTHERN WILD SMILAX, $4 and $7 per case. Also LAUREL FESTOONING, good and full, 4c, 5c and 6c per yard.

☞ Orders by Mail, Telephone or Telegraph promptly attended to.

HENRY M. ROBINSON & CO.,
32-34-36 Court Sq., BOSTON, MASS.

CHOICE
LILY of the VALLEY

in large quantities, the finest that is grown, $4 and $5 per 100.

JOHN WOLF, SAVANNAH, GA.

Please mention the American Florist when writing.

CATTLEYAS $6.00 per Dozen.

Roses, Beauty, extra long stems	$4.00
" " 24 to 30-in. long stems	3.00
" " 20 " "	2.50
" " 15 " "	2.00
" " Short "	1.00
" Bride, Bridesmaids	6.00@ 8.00
" Meteor	6.00@ 8.00
" Golden Gate	5.00@ 8.00
Carnations	1.00@ 2.00
" fancy	2.00@ 3.00
Violets, double	1.00
" single	.50@ .75
Lily of the valley	2.00@ 4.00
Adiantum	.75@ 1.25
Common Ferns per 1000, $2.00	.25
Smilax per dozen, $1.50	
Asparagus per dozen, 7.50@10.00	
Narcissus	2.00@ 3.00
Roman Hyacinths	2.00@ 3.00
Lil. Harrisii	15.00@20.00
Callas	12.50@15.00
Tulips, all kinds	3.00@ 4.00
Tulips, Muri lo, fancy	5.00@ 6.00

Galax Leaves.

Green or Bronze, 15c per 100; $1.00 per 1000.

Leucothoe Sprays.

75c per 100.

Wild Smilax.

QUALITY COUNTS—No. 1, 15 lbs., $2.50; No. 2, 20 lbs., $3.25; No. 3, 25 lbs., $3.50; No. 4, 35 lbs., $4; No. 5, 40 lbs., $5; No. 6, 50 lbs., $6.

We are the Northern Representatives of CALDWELL THE WOODSMAN CO.

J. B. DEAMUD, WHOLESALE CUT FLOWERS 51 Wabash Ave., CHICAGO.

Wholesale Flower Markets

MILWAUKEE, Mar. 6.

Roses, Beauty, long, per doz.	3.00@ 5.00
" " med. "	1.50@ 2.00
" " short "	.50@ 1.00
" Liberty	6.00@10.00
" Bride, Bridesmaid	6.00@ 8.00
" Meteor	6.00@ 8.00
" Golden Gate	6.00@ 8.00
" Perle	5.00@ 6.00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00@ 2.50
Violets	.50@ .75
Lily of the valley	4.00
Daffodils	3.00@ 4.00
Freesias	2.00
Tulips	2.00@ 3.00
Adiantum	.75@ 1.00
Smilax	18.00@20.00
Asparagus	65.00
Common ferns	.25

PITTSBURG, Mar. 6.

Roses, Beauty, specials	40.00@50.00
" " extras	20.00@30.00
" " No. 1	10.00@15.00
" " No. 2	3.00@ 6.00
" Bride, Bridesmaid	3.00@12.00
" Meteor	2.00@ 4.00
Carnations	1.00@ 4.00
Lily of the valley	2.00@ 4.00
Violets	.20@ .75
Harrisii lilies	10.00@15.00
Romans, Paper Whites	1.00@ 3.00
Tulips	2.00@ 4.00
Sweet Peas	1.00@ 1.50
Smilax	8.00@12.50
Adiantum	1.00@ 1.50
Asparagus	50.00@75.00

CINCINNATI, Mar. 6

Roses, Beauty	20.00@40.00
" Bride	4.00@ 6.00
" Bridesmaid	4.00@ 6.00
" Meteor	4.00@ 8.00
" Perle	3.00@ 4.00
Carnations	1.50@ 3.00
Violets	.50@ 1.00
Barrisii lilies	15.00
Lily of the valley	3.00@ 4.00
Daffodils	3.00
Tulips	3.00@ 5.00
Romans, Paper Whites	2.00@ 4.00
Asparagus	50.00
Smilax	15.00
Adiantum cunsatum	1.00
Common ferns	.20

ST. LOUIS, Mar. 6.

Roses, Beauty, short stem	1.00@12.50
" " long stems	15.00@40.00
" Bride, Bridesmaid	3.00@ 6.00
" Meteor	3.00@ 6.00
" Golden Gate	3.00@ 6.00
Carnations, ordinary	1.00@ 1.25
" choice	1.50@ 2.00
Violets	.25@ .75
Sweet peas	.25@ .50
Callas	6.00@10.00
Lily of the valley	2.00@ 4.00
Romans	1.50@ 2.50
Narcissi	2.50@ 3.00
Tulips	2.00@ 3.00
Smilax	10.00@15.00
Asparagus Sprengeri	1.00@ 1.50
" Plumosus	1.00@ 1.50

Frank M. Ellis,
WHOLESALE FLORIST,
1316 Pine Street, ST. LOUIS, MO.

CONSIGNMENTS SOLICITED.

H. G. BERNING
Wholesale Florist
1322 Pine St., ST. LOUIS, MO.

C. A. KUEHN,
Wholesale Florist,
1122 PINE STREET,
ST. LOUIS, MO.
A complete line of Wire Designs.

Pittsburg Cut Flower Co. Ltd
WHOLESALE FLORISTS.
Pittsburg, Pa.

The Cincinnati Cut Flower Co.,
416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.
Consignments Solicited.
Special Attention Given to Shipping Orders.

MICHIGAN
Cut Flower Exchange,
WM. DILGER, Manager,
WHOLESALE COMMISSION.
Full line of Florists' Supplies and Decorations.
Special attention to shipping orders.
26 Miami Avenue, DETROIT, MICH.

RICE BROTHERS
WHOLESALE FLORISTS and FLORAL SUPPLIES.
Receivers and Shippers of Fresh Cut Flowers.
Special attention to shipping orders. A complete line of Florists' needs. Send for price list. Prompt returns on all consignments.
128 N. Sixth St. MINNEAPOLIS, MINN.

ONLY THREE MORE WEEKS TO EASTER

It is time you were thinking of your Cut Flower Supply for Easter, the busiest period of all the year. It is undisputed that we have the best facilities in Chicago for meeting all wants in Cut Flowers. But you needn't take our word for it. Try us now. Then we'll surely get your Easter order; we'll earn it by pleasing you.

E. C. Amling

The Largest, Best Equipped and Most Centrally Located Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St. CHICAGO.

L. D. PHONES CENTRAL 1999 AND 1977.

PRICE LIST.

BEAUTIES.

Stems, 30 to 36 in., per doz.,		$4 00
" 24 " "		3 00
" 20 " "		2 00
" 15 " "		1.50
" 12 " "		1 00
" 6 to 8 in. per 100,	$4.00	6.00
Brides..... "	4.00	8 00
Maids..... "	4.00	8 00
Meteors..... "	3.00	6 00
Golden Gate..... "	3.00	6 00
Carnations..... per 100	1.50	2.00
" large fancies "	3.00	4 00
Mignonette.....per doz.,	.35	.50
Callas.....per doz.,	1.25	1.50
Violets, double.....per 100,	.75	1.00
" single..... "	.50	.60
Sweet Peas..... "	1 00	1.50
Va ley, select..... "	3.00	4.00
Romans..... "	2.00	3.00
Tulips..... "	2.00	4.00
Daffodils..... "	2.00	3.00
Paper Whites..... "	2.00	3 00
Freesias..... "	2.00	3.00
Asparagus plumosus, per stg,	.50	.60
" Sprengeri, per 100,	3 00	4.00
Ferns, per 1000, $2.00; "		.25
Galax, " 1.00; "		.15
Leucothoe sprays.... "		1.00
Adiantum..... "	$1.00	1.50
Smilax.....per doz.,	1.50	2.00

Prices subject to change without notice

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

WEILAND-AND-RISCH

CHICAGO'S RELIABLE

Wholesale Growers and Shippers of

CUT FLOWERS,

59 Wabash Ave., Chicago.

SEND FOR WEEKLY PRICE LIST.

WHOLESALE FLORISTS

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florists

31-35 Randolph St., CHICAGO.

Consignments solicited.....

FRANK GARLAND,

Wholesale Grower of **Cut Flowers**

SPECIAL ATTENTION GIVEN TO HARDY CUT **FERNS**

55-57 WABASH AVENUE,

Telephone Central 3284. CHICAGO.

A. L. Randall,

WHOLESALE FLORIST.

4 Washington Street, CHICAGO

Send for weekly price list and special quotations on 1000 lots.

Wholesale Flower Markets

CHICAGO, Mar. 7.

Roses, Beauty, 30 to 36-inch stems	4 00
" " 24 " "	3 00
" " 20 " "	2 00
" " 15 " "	1.50
" " 12 " "	1.00
6 to 8 " "per 100	4.00@6.00
Bride, Bridesmaid.....	4 00@ 8 00
" Meteor.....	3 00@ 6.00
" Perle.....	3 00@ 6.00
" Golden Gate.....	3 00@ 6.00
Carnations.....	1.00@ 3.00
Violets.....	.75@ 1 00
Lily of the valley.....	2.00@ 4.00
Callas, per doz.....1.25@1.50	
Tulips.....	3.00@ 4.00
Romans, Paper Whites.....	2 00@ 3.00
Adiantum.....	1 00@ 1 50
Common ferns.....per 1,000 $2 00	.25
Galax leaves, per 1000.....$1.00	.15
Smilax.....per dozen 1.25@ 1.50	

For EASTER Forcing

Fine, select LILY OF THE VALLEY PIPS, $1.50 per 100; $12.50 per 1000; $30 per case of 2500.

FANCY CUT VALLEY always on hand at market price.

H. N. BRUNS,

1409-1411 W. Madison Street, CHICAGO, ILL.

Please mention the American Florist when writing.

Retailers Attention

BRANT & NOE, Forest Glen, Chicago, Rose Specialists, careful selectors and packers of Roses, would like 3 more first-class retail florist customers. Have pleased patrons nine years straight. Can and will please you

Please mention the American Florist when writing.

E. H. Hunt,

WHOLESALE.....

Cut Flowers

THE "OLD RELIABLE,"

76 Wabash Ave., CHICAGO.

GEO. REINBERG,

Wholesale Grower of *Cut Flowers*

Choice American Beauties.

We will take care of your orders at reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.

Headquarters for American Beauty.

51 Wabash Ave., - CHICAGO, ILL.

JOHN MUNO,

Wholesale Grower and Shipper of **Cut Flowers**

Room 221, 51 Wabash Ave., CHICAGO.

TELEPHONE CENTRAL 3598. All telegraph and telephone orders given prompt attention.

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in **Cut Flowers**

All telegraph and telephone orders given prompt attention.

GREENHOUSES: Morton Grove, Ill.

35-37 Randolph Street, CHICAGO, ILL.

Mention the American Florist when writing to advertisers on this page.

PLANTS FOR EASTER AND NOVELTIES IN RIBBONS

SAMUEL S. PENNOCK,
Wholesale Florist,
1612-18 LUDLOW ST., PHILADELPHIA, PA.

GEO. A. SUTHERLAND,
34 Hawley St., BOSTON.
Telephone 1270 Main.
BEST BOSTON FLOWERS. All Supplies.
An entire floor Devoted to Stock and Manufacturing. Distributing Agent for United States for the wonderful

"Koral" LETTER, unequalled for design work. Script, any color, 3½c a letter. Block letters, 1½c each. The most elaborate design work to order in a few minutes.

GENERAL AGENTS:
H. BAYERSDORFER & CO., Philadelphia.
REED & KELLER, New York City.

SPECIALTIES THIS WEEK:
Special American Beauty, CARNATIONS, Lily of the Valley, Violets.

CITY HALL CUT FLOWER MARKET
WELCH BROS., PROPS.
9 CHAPMAN PLACE, 15 PROVINCE STREET. **Boston, Mass.**

The best market for Growers who cna ship good Cut Flower stock.

J. K. ALLEN,
106 West 28th Street, Telephone 167 Madison Sq. NEW YORK CITY.

N. F. McCARTHY & CO.
84 Hawley St., BOSTON,
ARE RECEIVING ELEGANT ROSES ALL VARIETIES.
DON'T YOU WANTSOME?
Tel. 734 and 64 Main.

Geo. M. Moss,
WHOLESALE FLORIST,
32 South 17th Street, PHILADELPHIA, PA.
Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.

Wholesale Flower Markets

BOSTON, Mar. 5.

Roses, Beauty, extra	25.00@50.00
" " medium	12.00@20.00
" " culls	6.00@ 8.00
" Bride, Bridesmaid, Meteor.	2 00@ 6.00
" extra	8.00@10.00
Carnations	1 00@ 1 50
" fancy	3.00@ 4 00
Lily of the valley	2.00@ 3.00
Violets	.30@ .60
Harrisii lilies	8 00@12.00
Freesia	1.00@ 1.50
Narcissus Paper White	1.00@ 1 50
" Yellow	1.50@ 3 00
Roman hyacinths	.75@ 1 50
Tulips	2 00@ 3 00
Callas	8.00@10.00
Adiantum	.50@ 1.00
Smilax	12.00@16.00

PHILADELPHIA, Mar 5.

Roses, Tea	5.00@ 8.00
" " extra	10.00@12.00
" Beauty, extra	50.00@65.00
" " firsts	30.00@40.00
" Queen of Edgely, extra	75.00
" " " firsts	25 00
Carnations	1.00@ 3.00
Lily of the valley	4.00@ 5.00
Asparagus	25.00@50.00
Smilax	12 50@15.00

BUFFALO, Mar. 6.

Roses, Beauty	7.00@35.00
" Bride, Bridesmaid, Meteor	6.00@12 50
Carnations	1.50@ 4 00
Violets	.50@ 1.00
Lily of the valley	3.00@ 4.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.50

Give Us a Trial. We Can Please You

Roses, Carnations and all kinds of Seasonable Flowers in stock.
WM. F. KASTING, Wholesale Commission Florist,
481 Washington St., Buffalo, N. Y.
Dealer in Florists' Supplies and Wire Designs.
Open Day and Night.

Cut Harrisii Lilies.

I am growing the largest batch of lilies in New England. Have over 50,000 Harrisii besides plenty of Japans for Easter. Can supply blooms all the time from now till spring. Can fill orders for any quantityat an hour's notice.

H. N. EATON,
'Phone Connection. SO. SUDBURY, MASS.

MARKETING for flowers is a pleasure it done at the Headquarters of he
NEW YORK CUT FLOWER CO.
Here is the choicest stock of the most eminent growers, fresh every morning and in full variety. Goods selected and shipped to any part of the country. Always room for growers looking for an outlet for good cut flower stock.
DAILY REPORTS. WEEKLY PAYMENTS.
SALESROOMS { 55 & 57 West 26th St., NEW YORK CITY.
TELEPHONES: 2239 Madison Sq. 2034 Madison Sq.
J. A. MILLANG, MANAGER

EUGENE BERNHEIMER
Wholesale Florist,
Phone 14269 A, 1604 Ludlow St., **Philadelphia.**
CONSIGNMENTS OF ROSES SOLICITED.

AMERICAN FLORIST ADS ALWAYS DO BUSINESS
Week days and every day, Sundays and holidays,
ALL OVER THE COUNTRY AT HOME AND ABROAD.

American Beauties. Carnations. Valley.

HIGH GRADE FLOWERS OF ALL KINDS.
LEO. NIESSEN, Wholesale Florist, N. W. Cor. Filbert & 13th St., Philadelphia.

Note the Smile of Satisfaction

When the consignor reads his returns the buyer opens a box of flowers From

JOHN I. RAYNOR, WHOLESALE COMMISSION FLORIST.

Telephone 1998 Madison Square — 49 W. 28th St, NEW YORK.

YOUNG & NUGENT

WHOLESALE FLORISTS 42 West 28th Street, NEW YORK,

Are shipping the finest Roses, Carnations, Valley, Orchids, Novelties, in the New York Market. ——Price List to Applicants.

TELEPHONE 2065 MADISON SQUARE.

Walter F. Sheridan,

Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Telephone Nos. 2239 and 2034 Madison Square.

MOORE, HENTZ & NASH

Wholesale Commission Florists,

55 and 57 West 26th St., NEW YORK CITY.

Adjoining New York Cut Flower Co. salesroom. Finest Salesroom in the Trade. Inspection Invited. All business, selling or shipping, strictly commission.

WHOLESALE **WILLIAM GHORMLEY,** COMMISSION

RECEIVER AND SHIPPER OF FRESH CUT FLOWERS. DAILY STOCK OF ALL THE CHOICEST VARIETIES FROM BEST GROWERS WHO SHIP TO NEW YORK.

ORCHIDS, ROSES, CARNATIONS, VALLEY.
Largest receiver of VIOLETS in America

Telephone 2200 Madison Square, 57 WEST 28th STREET, NEW YORK CITY.

JOHN YOUNG

Special American Beauties, Surpassing Carnations, Violets, Lily of the Valley, Orchids, and all Seasonable Flowers.

51 West 28th St., NEW YORK.
Tel. 1905 Madison Sq.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR

Violets and Carnations

GROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER,
30 West 29th St., New York.
Telephone 551 Madison Square.

FRANK MILLANG,

CUT FLOWERS,

WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange, NEW YORK.
Telephone 299 Madison Square.

ESTABLISHED 1872.

JOHN J. PERKINS,

COMMISSION FLORIST,

Solicits Consignments or Shipping Orders. Satisfaction given in both.

Write for Terms. 115 West 30th St., New York.

POPULAR WITH THE TRADE.
Therefore a profitable place to send your Flowers.

M. A. HART'S,

48 West 30th St., New York City.
Telephone 325 Madison Square.

Choice Carnations. Selected Roses.

Traendly & Schenck

NEW YORK CITY,
38 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

NEW YORK, Mar. 5.

Roses, Beauty, select	35 00@50.00
" " medium	5 00@20.00
" " culls	1 00@ 3.00
" Bridesmaid, Bride, Meteor	2.00@ 6 00
" " " extra	6 00@10.00
" Liberty	1.00@ 4 00
" Liberty special	8.00@20.00
Carnations	.75@ 2 00
Carnations, specialties	4 00@ 5.00
Violets	.30@ 75
Lily of the valley	1.50@ 3.00
Roman hyacinths	.75@ 1.00
Paper White narcissi, Freesia	1.00@ 1.50
Yellow narcissi	1.00@ 2 00
Callas	6.00@10.00
Sweet Peas	1.00
Tulips, single	1 00@ 2.00
" double	2.00@ 4.00
Lilac, per bunch	1.00
Harrisii lilies	10.00@15.00
Cattleyas	10.00@40.00
Mignonette	2.00@ 6.00
Smilax	10.00@12.00
Asparagus	25.00@50.00
" Sprengeri, per doz. bun.	2.00@3.00
Adiantum	.75@1.00

CHAS. MILLANG,

50 W. 29th St.,

NEW YORK.

FORD BROS.

Receivers and Shippers of

FRESH FLOWERS.

Best Violets in New York market.

111 WEST 30TH ST., NEW YORK.
Telephone 157 Madison Square.

Julius Lang

53 West 30th Street, NEW YORK.

REPRESENTS THE BEST GROWERS OF

ROSES, CARNATIONS, VALLEY.

TELEPHONE 280 MADISON SQUARE.

ALEX. J. GUTTMAN,

Wholesale Commission Florist,

A full supply daily of the choicest New York and New Jersey

FLOWERS.

52 W. 29th Street, NEW YORK CITY.
Telephone 1738 Madison Square.

A. H. LANGJAHR,

Wholesale Commission Florist,

BEST FLOWERS SHIPPED AT LOWEST NEW YORK PRICES.

19 Boerum Place, Brooklyn, N. Y.

TELEPHONE 939 MAIN.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.
Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE.

Now in Season:
FREESIAS, DAFFODILS, TULIPS
LILAC.
SWEET PEAS and ACACIA.

EDW. C. HORAN,

47 WEST 28TH ST.,

Tel. 421 Madison Square, ...NEW YORK.

CUT FLOWERS AT WHOLESALE.

All Roses, Violets

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

J. E. NORTHRUP, Pres.; S. F. LEONARD, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

Twentieth annual convention, Twin Cities, Minn., June, 1902.

THE business of the Brose-Fleur Seed and Plant Company, at Los Angeles, Cal., will be continued as before the death of Gustave Brose.

D. M. FERRY & COMPANY, Detroit, are reported to have sold their seed farm at Pontiac, Mich., to the Pontiac Investment and Promotive Company.

Seed and Plant Advertising.

From the time I began business, more than thirty years ago, until the present, I have not failed to be represented in the advertising columns of many of the leading mediums each season. I prefer the monthly periodicals as a class, but a well printed weekly I find valuable, if it has a general circulation among people who appreciate it. I believe it is an axiom that a paper is valuable as an advertising medium in proportion as it is esteemed by its subscribers, and my experience confirms this. A good, prominent position I regard as of much more value than a common or secondary one. I believe in a change of copy—either a new advertisement or the old one in a new form. Illustrations of an apt character help to draw and fix attention. For many years I have keyed my advertisements, and a daily record is carefully kept throughout the season and the value of the mediums according to cost determined at its close. Mediums that fall below a certain standard are discarded for several years, or until some evidence of improved circulation prompts another trial. For my purpose I have found the highest religious weeklies and monthlies of general circulation, the widely circulated monthlies and semi-monthlies of the agricultural class, and the popular ladies' monthly journals the most profitable. The value of a medium, however, depends largely upon the amount of circulation and its quality. I have never used reading notices. I prefer my announcements in straightforward, readable, attractive display advertisements.—*Geo W. Park, in Printer's Ink.*

COLORADO SPRINGS, COL.—Wm. Clark is vice-president of the El Paso County Horticultural Society, one of the most successful organizations of its kind in the county.

NEW ORLEANS, LA.—The Horticultural Society has embellished Elk Place with flower beds as a return for the courtesy of the B. P. O. E. in permitting the society to hold its last flower show there.

OSKALOOSA, IA.—W. E. Kemble is preparing to make a very considerable improvement in his place. He has placed an order for a carload of large sized glass and in addition to rebuilding the greater portion of the range in modern style will increase its extent considerably.

Wanted 5000 Rhubarb

1 year, straight roots for transplanting. Give lowest price to

Furrow Bros., Guthrie, Oklahoma.

LILIUM HARRISII.

As reliable stock as is produced on the Island, raised, crop-rogued, inspected, and packed by a grower always on the ground.

We offer this (V) brand of Harrisii as averaging the most reliable stock exported. Orders placed now can be supplied, late ones could not be filled last year and may not be this. Write for prices on 5 to 7, 7 to 9, and 9 to 11.

White Roman Hyacinths.

12 ctms. and upward, being the whole crop above the 12 ctm. size, no 13 to 15 ctms. being taken out.

150,000 of this grade imported by us the past season proved very satisfactory and we offer 19.2 crop of same, confident that this grade contains the best value possible for the price, which is made for early orders. Remember the size contains all the bulbs in the crop above 12 ctms. and up to 16 ctms. Write for prices.

N. B.—Our usual percentage of extra early deliveries will be made.

Vaughan's Seed Store, CHICAGO. New York.

NEW CROP ASPARAGUS SPRENGERI, ASTERS AND SMILAX.

ASTER—	Large trade pkt.	Oz.
Queen of the Market (the Earliest of All), mixed	$ .15 (¼-oz)	$ .50
Queen of the Market, white, blue, rose and crimson	.20 (¼-oz)	.60
Victoria, pink, blue, white and scarlet	.20	1.00
Victoria, mixed	.20	.75
Semple's Branching, all the separate shades	20 (¼-oz)	.75
Semple's Branching, mixed	.20 (¼-oz)	.60
Imp. Pæony-Flowered, all separate shades	.20	1.25
Imp. Pæony-Flowered, mixed	.20	1 00

Asparagus Sprengeri Seed, per 100, 25c; per 1000, $2.00; 5000 seeds, $8.50.

		Oz.
Salvia Splendens (Scarlet Sage)	$ .20	$1.00
Clara Bedman or Bonfire	.50	2.00
Silver Spot	.50	3.00

Verbenas—J. & S. Mammoth mixed (1200 seeds) large trade pkt., 20c; oz., $1.00.

Fresh Smilax Seed—Oz., 25c; lb. $2.50.

Johnson & Stokes,

217-219 Market St. PHILADELPHIA, PA.

TRADE MARK.

On hand for immediate delivery.

Cycas Stems,

Lilium Auratum,

Lilium Album in finest quality.

SUZUKI & IIDA,

31 Barclay Street. NEW YORK.

Cow-Peas. The Famous Forage Crop and Soil Improvers.

WE ARE HEADQUARTERS for these and all Southern specialties, including **Soja Beans, Velvet Beans, Pearl or Cat-tail Millet, Teosinte Bermuda Grass, Ensilage Corn, Spanish Peanuts, Chufas, Sorghums, etc.**

Write for prices, and our interesting Catalogue giving full information about these crops.

T. W. WOOD & SONS, - Richmond, Va.

EXTRA CHOICE FLOWER SEEDS.

List free on application.

FRED. ROEMER, Seed Grower,

" " Quedlinburg, Germany.

Please mention the American Florist when writing.

ESTABLISHED 1802

THORBURN'S SEEDS

have been the standard of excellence for a hundred years, and were awarded the **GOLD MEDAL** both at the Paris Exposition of 1900 and Pan-American 1901. Our Wholesale Price List of Flower Seeds, etc., for Florists, will be mailed on application, and our Trade Price List of Vegetable and Flower Seeds to seed dealers.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

SWEET PEAS

FRESH STOCK, 1902.

	Oz.	Lb.
Blanche Burpee, pure white	.5	.30
Blanche Ferry, pink and white	.5	.25
Lady G Hamilton, azure blue	.5	.40
Salonian, brilliant scarlet	.5	.25
Mont Blanc	.20	1.50
Earliest of All	.5	.40
Lovely	.5	.30
McCullough's Premier Mixed	.5	.35

MUSHROOM SPAWN, English Milltrack, fresh stock, $7 per 100 lbs.

CUT FLOWERS AT WHOLESALE.

J. M. McCULLOUGH'S SONS

316 & 318 Walnut St., Cincinnati, O.

From All Parts.

AM. FLORIST CO.—It is remarkable the amount of orders my two-inch ad. brought me from the Special Number of your paper. Orders came pouring in from all parts of the United States. The American Florist is O. K. W. W. COLES.

It Is the Best.

EDITOR AM. FLORIST—Enclosed find $1 for which please renew my subscription to the American Florist. It is the best paper going. The last Special Spring Number alone was worth the year's subscription.
JOHN RODGERS.

IT PAYS BEST.

ED. AM. FLORIST:—My advertisement in your paper is paying better than in any other paper and better than it ever did before. J. N. PRITCHARD, Elk Park, N. C.

MR. ADVERTISER:

You know the excellence of the special issues which are a feature of this journal. You know that it covers the trade, that its readers await these special numbers with keen anticipation, that they are highly prized, kept for months, read and re-read. That's what makes their particular advertising value.

The Spring Number for 1902, containing a full report of the American Rose Society's meeting and exhibition at New York, and many special features, will be issued next week, March 15. It will be in every way equal to the best of our splendid special issues. That's enough said. Advertising copy to be in time must reach us by noon on Thursday, March 13. It's to everyone's advantage if you are early. Very truly yours,

AMERICAN FLORIST CO.

324 Dearborn St., Chicago, Ill.

Please Mail Your Adv. Now.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

R. C. BERCKMANS, Pres.; R. J. COE, Vice-Pres. GEORGE C. SEAGER, Rochester, N. Y., Sec'y.
Twenty-seventh annual convention, Milwaukee, Wis., June, 1902.

THE Phœnix Nursery Company, of Delavan, Wis., has acquired from F. K. Phœnix the land which has previously been leased for the business of the corporation.

G. B. BRACKETT, pomologist of the U. S Department of Agriculture, says that the Yellow Newton apple is one of the best for export but that it is adapted to only a limited area of our country.

KNODLE BROTHERS., Irving, Ill, say that spring prospects are only fair, the last dry season preventing many from planting the coming spring. They believe the tendency to be toward overproduction and low prices, a great drawback to the nursery business.

Parks of the United States.

In the report on park census for 1901, just issued by the American Park and Outdoor Art Association, we find the following particulars with reference to the parks of the United States:

"Fifty years ago no municipality in the United States had purchased an acre of land for park purposes. But by last year's reports from all but eleven of the cities of over 50,000 population, there are 2,360 parks and squares enumerated, and while the areas given are not as complete as the names, the total areas as given amount to 59,717 acres at a valuation of $531,571,947.00. The yearly expenses for construction purposes were $4,555,213 00 and for maintenance, $4,849,150.00.

"We have not completed the reports for cities under 50,000 population, but it is probably within the facts when it is stated that the cities of the United States have 75,000 acres of land in parks and expend $11,000,000 annually in their improvement and maintenance. Taken alone these figures are large, yet it is only a small proportion of the cities' expenses. We are living in an age where 'million' is a common word, and are just learning to get used to 'billion.' When we consider that it takes $500,000,000 to run our cities, the $11,000,000 for parks is a small per cent, only about two per cent."

New York Horticulturists Meet.

The thirteenth annual meeting of the Central New York Horticultural Society was held at Syracuse, February 28 The following officers were re-elected: President, Samuel T. Betts; vice-presidents, Rev. William Beauchamp, Col. A. C. Chase, J. William Smith, L. E Marquisee, E. A. Powell and A. D. Perry; secretary, N. H. Chapman; treasurer, David Campbell; members of the executive committee, F. H. Ebeling and John T. Roberts; delegates to the rose show to be held in New York on March 11, Samuel T. Betts and David Campbell; alternates, Col. A. C. Chase and J. William Smith. All the elections were unanimous.

President S. T. Betts in opening the meeting stated that the society was planning for a chrysanthemum show in 1902 and it looks now as if the project would be a success. The programme for the evening consisted of readings and recitations by Mrs. Evelyn Benedict Ayres, professor in Syracuse University, and addresses upon subjects of interest to growers of flowers. The rooms were tastily decorated with flowers and fruits. Among the decorations were many of a humorous nature, including heribboned beets, carrots, bunches of onions and other vegetables. The president announced that during the next two months the society would hold fortnightly meetings. He also spoke of the usual custom of the society sending a gift of flowers to Mrs. Olive Cleveland, of Lafayette, who was 101 years old last Friday.

John T. Roberts, who represented the society at the recent convention of the New York State Fruit Growers' Association, gave a report, stating that New York state was coming to be the greatest apple growing state in the Union.

A. J. B.

LAFAYETTE, N. J.—J. Franklin Buckster, nurseryman, has sold out to George Moorehouse.

WEBSTER, MASS.—F. E Reide will have charge of the laying out and planting of the grounds and gardens at Beacon Park during the coming summer.

Import Freight Agents Delaware, Lackawanna & Western Railroad Co. at New York, N. Y.

ENERGY. ECONOMY. DISPATCH.

F. B. VANDEGRIFT & CO.,

Publishers of Vandegrift's United States Tariff.

Customs Brokers and Forwarders. Foreign Express, Export and Insurance Brokers.

NEW YORK Office, 66 Beaver Street Telephone, 938 Broad. | A. B. C Code Used Cable Address, Vangrift. | CHICAGO Office, 315 Dearborn St. Phone, Harrison 840.

Rhododendron Maximum AND Kalmia Latifolia

The two best native Evergreen Shrubs for out-of-door ornamentation. Furnished by car load lots or in smaller quantities. Send for prices, also Special Rhododendron circulars. VINCA MINOR—10,000 3-inch clumps for sale cheap. Fine lot of general nursery stock.

EASTERN NURSERIES, M. M. Dawson, Mgr. Jamaica Plain, Mass.

Park Architects and Dealers

will find whatever they want in the

Holland Nurseries, DeBilt near Utrecht

HOLLAND.

SPECIALTIES ARE: Conifers. Evergreens, Hardy Shrubs, Lilacs, Ornamental Trees, Fruit Trees in different forms, Azaleas, Rhododendron Ponticum and Hybridum.

Please send list of your wants and write for general catalogue. We will make you special offers. Write to

GROENEWEGEN & ZOON,

De Bilt, near Utrecht, Holland.

Send to THE MOON Company

For Your } Trees, Shrubs, Vines and Small Fruits.

Descriptive Illustrated Catalogue Free.

THE WM. H. MOON CO.

Morrisville, Pa.

Rhododendrons "Mtn."

Choice plants 6 to 10 in., 75c per 10; $5 00 per 100
" " 12 to 18-in., $1.50 per 10; 12.50 per 100
Special prices on large lots Cash with first order.
Rhododendron Leaves for festoonings, 50c per 1000

J. N. PRITCHARD, Elk Park, N. C.

B. W. DIRKEN,

Oudenbosch, Holland.

ORNAMENTAL AND FOREST TREES A SPECIALTY.

Conifers, Evergreens, Hollies, Etc.

Prices on Application.

Roses Bridea, Maids and Golden Gates. 2½ inch stock in fine condition. $2.25 per 100; $18 per 1000. Ready for delivery.

West View Floral Co., Knightstown, Ind.

Please mention the American Florist when writing.

Mrs. Palmer

Certificated at Indianapolis, Montreal, St. Louis Chicago, Kansas City.

Absolutely the best scarlet carnation ever introduced. $12.00 per 100; $100.00 per 1000.

Mrs. Higinbotham

Certificated at Indianapolis, Chicago, Kansas City, St Louis.

Promises to become the standard light pink; will stand in the same position as did Daybreak, ten years ago. $12.00 per 100; $100.00 per 1000.

Chicot

Large white faintly striped in midwinter; extremely fragrant; finest constitution; more profitable than any standard on our place last season and is doing even better now. $8.00 per 100; $50.00 per 1000.

Other Fancy Varieties

Some of which may be had from soil

	Per 100	Per 1000
LAWSON, pink	$3 00	$25.00
BON HOMME, white	3.00	25 00
JOOST pink	1.50	10.00
MACEO, crimson	1.50	10.00
PROSPERITY, variegated	4.00	30 00
HOOSIER MAID, white	3.00	25.00
WHITE CLOUD, "	1.50	10.00
GOV. ROOSEVELT, crimson	5.00	45.00
IRENE, pink	3.00	25.00
MARQUIS, "	2 00	15.00
ESTELLE, scarlet	5.00	45.00
CRANE, "	2.00	15.00
SUNBEAM, lt pink	3 00	25.00
G. LORD, pink	1.50	12 50
BRADT, variegated	2.00	15.00
AVONDALE	2 00	15.00
NORWAY	5.00	40.00

Chicago Carnation Co.

JOLIET, ILL.

FLORISTS' FLOWER SEEDS

TYPE OF THE FLOWER OF VAUGHAN'S NEW UPRIGHT BRANCHING ASTER

VAUGHAN'S ASTERS.

"THE CARLSON" an improved Peony-Flowered Aster, much liked in the Chicago market. White, pink or lavender, each, trade pkt, 25c, ¼ oz. $1.20.

		Trade pkt	¼ oz.	oz.
BRANCHING OR SEMPLE, White ..... pound, $8.00;	10	25	$ .75
" " Rose pink	10	20	1.00
" " Lavender..... pound, $12.00	10	30	1.00
" " Red	10	35	1.20
" " Purple.....	10	30	1.00
" " Daybreak pink.....	10	25	.75
" " Mixed..... pound, $6.00	10	20	.50
VAUGHAN'S NEW UPRIGHT WHITE BRANCHING, lb., $12.00	10	30	1.00
VAUGHAN'S NEW UPRIGHT PINK BRANCHING, lb., $12.00	10	30	1.00
QUEEN OF THE MARKET, White.....			
" " " Pink.....			
" " " Scarlet ..... Each	10	20	.50
" " " Light blue.....			
" " " Dark blue			
" " " Mixed.....	10	15	.50
ALYSSUM, Little Gem, extra fine strain.. pound, $2.50	10	25	

ASPARAGUS PLUMOSUS NANUS, 100 seeds, $1.00; 250 seeds, $2.00; 1000 seeds, $7.5 .
SPRENGERI, 100 seeds, 50c; 1000 seeds, $2.00; 5000 seeds, $8.50.
Write for prices on larger lots on above two kinds.

BELLIS OR DOUBLE DAISY, Vaughan's Mammoth Mixture, 1-16 oz., 45c; Td. pkt. 25c.
" " " " " **White,** 1-16 oz., 40c; Td. pkt. 25c.
" " " " " **Pink,** .....Trade pkt. 25c.

CANDYTUFT. New Giant Hyacinth-Flowered. This improved new strain is far superior to Empress. The flower-heads are of immense size, six inches long and about three inches across, resembling a Dutch Hyacinth. They are pure white, and furnish excellent material for cutting. Pound, $2.50; trade pkt., 10c; oz., 35c.

	Trade pkt.	Oz.
CENTAUREA Imperialis, mixed, all the following sorts.....	10	60
" " **Alba,** pure white.	10	85
" " **Armida,** lilac.....	10	70
" " Favorita, brilliant rose	10	70
" " Grazi sa, dark lilac.....	10	70
" " Sple dens, dark purple.....	10	70
" " Variabilis white, fading to rose.....	10	70
COBÆA Scandens, purple.....lb $3 00,	10	25
DAISY, Burbank's New Shasta Daisy.....	25	
LOBELIA, Crystal Palace Compacta.....⅛ oz., 25c.;	15	1.25
Bedding Queen .....¼ oz., 50c.;	25	1.50
Speciosa, dark flowers and foliage; for hanging baskets..	10	50
MAURANDYA, mixed .....¼ oz., 30c.;	15	1.00
Barclayana, purple.....	25	

"VAUGHAN'S BEST" MIXTURE OF LARGE FLOWERING PETUNIAS.

This mixture is made up by ourselves and includes all the best sorts and colors of the Large flowering and Fringed sorts and the unsurpassed Superbissima varieties with their delicately veined throats in various colors, and their truly mammoth flowers We are possitive that **no other Petunia Mixture can produce flowers with as wide a range of colors as our Vaughan's Best.**
Trade packet, 1000 seeds, 50c; 3 packets for $1.25.

	Trade Pkt.	Oz
PHLOX DRUMMONDI.		
Grandiflora, Stellata Splendens, white, scarlet, pink, crimson, striped.....each	$ .10	$ .60
Large Flowering, finest mixed.....	.10	.50
SALVIA Splendens Clara Bedman (Bonfire).....	.25	2.
"Drooping Spikes," one of the best.....¼ oz., 50c;	.15	2.00
St. Louis best of all.....	.25	
SMILAX, new crop.....lb., $3.00	.10	.30

"VAUGHAN'S BEST" MIXTURE OF VERBENAS. This mixture contains all that is choice and desirable in Verbenas. We feel perfectly safe in stating that this mixture of Verbenas will eclipse every other strain offered by any other house. Oz. $2.00; ¼ Oz. 50c; trade Pkt., 25c.

MIGNONETTE, TRUE MACHET. Trade pkt., 10c; ½-oz., 25c; oz., 50c; 2-ozs., 75c; ¼ lb., $1.25.

NASTURTIUM.

	Oz.	¼-lb.	lb.
"VAUGHAN'S SPECIAL" Mixture of Tall Nasturtiums	$ .10	$ .20	$ .70
MME. GUNTHER'S HYBRIDS, true. ... ..10 lbs. $5.25.	.10	.20	.60
"VAUGHAN'S SPECIAL" Mixture of Dwarf Nasturtiums.....	.10	.20	.70

FOR OTHER FLOWER SEEDS SEE OUR "BOOK FOR FLORISTS." FREE ON APPLICATION.

SWEET PEAS.

Our Sweet Pea Seed was raised by the most careful grower and is equal to the best in the country. We invite comparison.

Any of the following, per oz., 5c., except where noted.	¼ Lb.	Lb.	5 Lbs.
Blanche Burpee, very large white.....	10	25	$1.00
Blanche Ferry, pink and white.....	10	25	1.00
" " **extra early,** 10 days earlier.	10	25	1.00
California, very soft "Daybreak" pink.....	10	30	
Captain of the Blues, purplish mauve.....	10	30	1.25
Countess, the New, clear lavender.....	10	25	1.00
Countess of Powis, orange suffused with purple.....	10	30	
Countess of Radnor, delicate lavender.	10	25	1.00
Earliest of All, 8 days earlier than Ev. Early Blanche Ferry	15	30	1.50
Emily Henderson, white, early and free.....	10	30	
Her Majesty, beautiful rose, large	10	25	1.00
Hon. F. Bouverie, standard coral pink, wings slightly lighter	10	30	
Katherine Tracy, soft but brilliant pink.	10	25	1.10
Lady Grisel Hamilton, best of all lavender sorts	15	40	
Lady Mary Currie, bright orange pink.....	10	30	1.25
Mrs. Eckford, delicate primrose yellow	10	30	1.30
Navy Blue, a new, deep violet-blue.....	15	50	
Prima Donna, soft pink.....	10	25	1.10
Prince of Wales, new, bright rose self.	15	40	1.65
Sadie Burpee, new white, white-seeded.....	15	30	
" " " " black seeded.....	15	30	
Saloglan, the best of all reds.....	10	25	1.10

VAUGHAN'S FLORISTS' MIXTURE.—This mixture, which is made up by ourselves from separate colors carefully proportioned of the best cut-flower sorts and colors, is bound to give satisfaction. ¼ lb, 15c.; lb, 30c.; 5 lbs., $1.25 10 lbs. $2.25.

NEW SWEET PEA—MONT BLANC.—Oz., 15c; ¼ lb., 40c.; lb, $1.25; 2 lbs., $2.25; 5 lbs., $5.00.

☞ **10 per cent. Special Cash Discount on orders over $2.00 for Flower Seeds if the cash is enclosed.** ☜

VAUGHAN'S SEED STORE,

NEW YORK, 14 Barclay Street. 84-86 Randolph Street, CHICAGO.

GREENHOUSES: WESTERN SPRINGS, ILLINOIS

GOLD MEDAL GLADIOLI

Groff's Hybrid Gladioli Received the Gold Medal and Thirteen First Awards at the Pan-American Exposition. I have the Latest and only Complete Collection of **GROFF'S HYBRIDS** in the United States, and control over Seventy-five per cent. of all Stock Grown and Introduced by Mr. Groff. Write for catalogue.

ARTHUR COWEE, GLADIOLUS SPECIALIST, MEADOWVALE FARM, BERLIN, N. Y.

NEW LATE CABBAGE "HOUSER."

The largest Hard-heading, Fine Grained, Smallest Hearted, Distinct Round, Late Cabbage known. Gardeners will do well to give it a trial.

Mr. J. M. Lupton, the noted cabbage specialist says: It is entirely distinct and keeps over the winter better than any other kind.

Packet, 10c; Oz., 50c; 1-4 Pound, $1.50; Pound, $5.50, postpaid.
Catalogue free for asking.

H. L. HOLMES, Seedsman HARRISBURG, PA.

American Florist Advts.

Reach all the Trade.

Successful Growers are Wanted

To know that they can dispose of all their surplus stock by advertising in the American Florist. TRY IT NOW.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 79 Milk St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Chicago.

The following is the record made by Chicago bowlers on the evening of Tuesday, March 4. Some especially good scores were made in the first game, Fred. Stollery rolling 210 and E. F. Winterson 237:

ALL STARS	1st	2d	3d	T'l
Chas. Ba luff	146	162	140	448
C. A. Hunt	93	94	112	299
Clifford Pruner	123	131	139	393
C. W. Scott	132	140	146	418
C. H. Fisk	115	120	129	364
Total	609	647	666	1922
RETAILERS	1st	2d	3d	T'l
P. J. Hauswirth	137	177	167	481
W. Kreitling	141	120	132	393
John Lambros	129	168	138	435
Ed. Hauswirth	115	124	109	348
Geo. Asmus	172	135	132	439
Total	694	724	678	2096
GROWERS	1st	2d	3d	T'l
Geo. Stollery	147	182	144	473
F. Matte	127	151	147	425
J. P. Sinner	199	112	161	472
C. Schafer	167	164	138	469
Fred. Stollery	210	152	148	510
Total	850	761	738	2349
WHOLESALERS	1st	2d	3d	T'l
Jos. Foerster	155	181	147	483
Ed. Benthey	149	190	156	495
Chas. Hughes	146	131	130	407
John Sterrett	125	162	138	425
E. F. Winterson	237	169	124	530
Total	812	833	695	2310

At Jamestown, N. Y.

The following are the scores made by the contending teams of the Lake View Rose Gardens, February 27, the carnationists winning two of the three games rolled:

CARNATION GROWERS.

Player	1st	2d	3d	T'l
W. Bennett	119	79	114	312
A. Scott	125	182	137	444
C. Hennon	105	139	166	410
J. Lydon	116	94	135	345
J. Eidens	146	79	146	371
S. Kaser	93	87	80	260
Total	704	660	778	2142

ROSE GROWERS.

Player	1st	2d	3d	T'l
Wm. Coyne	109	119	104	332
M. McCue	98	115	144	357
Ed. Bowyer	124	104	100	328
J. B ooks	124	119	113	356
F. Connors	137	93	110	330
C. Carlson	135	100	102	337
Total	717	650	673	2040

A. S.

At Omaha.

The Omaha florists had their annual bowling contest February 27, chosing sides by lot. The prize was a fine mirror donated by a local glass company and raffled off afterwards. Mr. Donaghue threw the lucky number. Individual prizes were won by Mr. Swoboda for making the most strikes and the highest average. The trophies included cash, cigars and two tons of coal. Mr. Hess won a box of cigars and a knife by making the most spares. Mr. Raber won a knife by making the lowest score. One team was made up by Messrs. Swoboda, Ringier, Zimmer, Henderson, Ellsworth, Faulkner, Jr., Goedicke, Bath, Raber and Peterson, and its score was 1,146 and 1,246, a total of 2,392. The other team included Hadkinson, Sandford, Faulkner, Sr., Adams, Wilcox, Hess, Tauchnitz, Floth, Donaghue and Sorensen. They made 1,208 and 1,247, a total of 2,455.

GRIPPE.

At New York.

The following is the record of the bowling on New York alleys on Monday afternoon, March 3:

Player	1st	2d	3d	4th	5th	6th
Traendly	127	133	119	112		
Lang	158	186	151	171	170	191
Th elmann	185	161	210	192	147	169
Siebrecht	131	166	130	125	151	190
Shaw	127	100	181	116	134	150
Smith	178	125	140	168	145	150
Burns	154	169	137	134	150	154
O'Mara	119	128				
Taylor	111	123	132	112	99	99
Hafner	155	161	137	134	145	190
Mansfield	169	144	144	173	169	
Elliott	166	91	106	140	100	

Tarrytown Horticultural Society.

The regular monthly meeting of the Tarrytown Horticultural Society was held on February 27, President Wm. Scott in the chair. M. C. Beardsley, of White Plains, was elected to membership. Dr. Horace Enos and C. J. Quimby, of White Plains, and Peter McDonald, of Irvington, were proposed. Francis Gibson exhibited a vase of Bride and Bridesmaid roses, fifty Lady Hume Campbell violets and plants in bloom of Lady Campbell violets, all of which received honorable mention.

F. R. Pierson & Company offered a silver cup 'value $25' to be competed for at the November show for the best twenty-four blooms of eight varieties of chrysanthemums, three of each, chosen from the following varieties: Merza, H. J. Jones, Lady Roberts, Mme. Deis, Kate Broomhead, Miss Alice Byron, Mrs. Barkley, Nellie Pockett, Mrs. Elmer D. Smith, Col. D. Appleton, A. J. Balfour, Mrs. Coombes, Florence Molyneux and Mrs. Tranter.

An amendment to the by-laws was proposed and adopted providing for honorary membership and life membership. F. R. Pierson was unanimously elected the first life member of the society and A. L. Don, of New York, was elected the first honorary member. The executive committee was empowered to incorporate the society.

The essay written by James Donald, entitled "The Friends and Enemies of Our Gardens, Farms and Forests," was read by Vice-President David McFarland, it being impossible for Mr. Donald to be present.

H. J. R.

SEND your advertisement NOW for the Special Number next week.

SWEET PEAS, VALLEY, VIOLETS, CARNATIONS, HARRISII, CALLAS, TULIPS

and any other kind of flowers.

HOLTON & HUNKEL CO.,

457 Milwaukee St., Milwaukee, Wis.

CARNATIONS.

Rooted Cuttings for latter March and April delivery.

	100	1000
QUEEN LOUISE	$4.00	$35.00
LORNA	5.00	40.00
G. H. CRANE	1.50	12.00
ESTELLE	5.00	
ROOSEVELT	6.00	
MORNING GLORY	2.00	15.00
ETHEL CROCKER	1.25	10.00
GENEVIEVE LORD	1.00	7.50
DOROTHY	5.00	40.00
PROSPERITY	4.00	30.00
CRESSBROOK	10.00	75.00

GERANIUMS.

Rooted Cuttings, March and April delivery.

A general assortment, standard and fancy sorts, single and double, all of them good. My selection of varieties, all correctly labeled at $1.50 per 100; $12.50 per 1000.

Jean Viaud, (rooted cuttings,) $3.00 per 100.
M. de Castelaine, (rooted cuttings,) $5.00 per 100.

BONE MEAL.

The very best brand in the market for florists' use, give me a trial order. 200 lb. bag, $3.50; per ton, $32.50. A little higher in price than some, a great deal better in results.

ALBERT M. HERR, LANCASTER, PA.

MRS. FISHER CARNATIONS For Summer Blooming, now ready, in 2-inch.

Also have CRANE, CROCKER, JOOST, SCOTT, MARY WOOD, HOOSIER MAID and McGOWAN. Write

GEO. A. KUHL, PEKIN, ILL.

All The Best CARNATIONS

Cressbrook (Pink), Mrs. Palmer (Scarlet), Mrs Higinbotham (Pink), Mrs. Nelson (Pink), Oriole (Scarlet), Alba (Large White), Stella (Variegated), Dorothy Whitney (Commercial Yellow) and Apollo (Scarlet) at introducers' prices.

	Per 100	Per 1000
Estelle, Best Scarlet	$5.00	$40.00
Norway, Large White	5.00	45.00
Prosperity, Fancy	6.00	45.00
Queen Louise, White	5.00	45.00
Dorothy, Productive Pink	5.00	45.00
Morning Glory, Lt. Pink	2.50	20.00
Marquis, Largest Pink	2.50	20.00

Fine stock of rooted cuttings of above and twenty-five other kinds. Get our prices on what you need.

GEO. HANCOCK & SON,

GRAND HAVEN, MICH.

ROOTED CUTTINGS

Estelle, $5.00; Lawson, $4.00; Marquis and Elm City, $2.00; Crocker and Lord, $1.00 per 100. Other varieties on application.

Genistas, bushy plants for Easter, 6-in. pots, $1.50 per doz.

DANA R. HERRON, OLEAN, N. Y.

Kennicott Bros. Co.

SEND IN YOUR EASTER ORDER NOW

Wholesale Commission Florists.

42-44 East Randolph St. Chicago, Ill.

1000 Bolts **EASTER RIBBONS** 1000 Bolts

We have just received a large importation of Staple and Fancy Ribbons for Easter trade, including **Gauze, Satin, Taffetas, Fancy and Baby Ribbons.** This stock we are offering at unusually low prices and will fill orders at the following low prices as long as stock lasts. Can supply all colors at the following prices:

No. of Bolt	2	5	7	9	12	16	22	40	60	80
BEST SATIN, Special Brand	25c	50c	65c	75c	$1.00	$1.15	$1.25	$1.50	$2.00	.....
GAUSE RIBBONS	30c	50c	75c	$1 00	1.15	1.25	1 50	.....	1.75	$2.00
FANCY SATIN STRIPED	.....	.....	.....	.....	1 00	.....	.....	.....	1.50	2.00
BEST TAFFETA	25c	50c	65c	75c	1.00	1.15	1 25	1.50	.....	.....

BABY RIBBON, per spool, 45c; 6 spools, $2 50; 12 spools, $4 80, all colors.
VIOLET TIES, No. 1, per doz., $1.00: No. 2, per doz , $1.10; No. 3, per doz., $1.25; No. 4, per doz., $1.50.
SILK CORDS, Plain, No. 5, per doz., 50c; No. 6, per doz , 75c; No. 7, per doz., $1.00; No. 8, per doz , $1 50.
SILK CORDS, Plaited, No. 9, per doz., $2.00; No. 10, per doz., $2.50. Extra heavy.

CREPE PAPER, all colors, per roll, 10c; per doz., $1.00.
CREPE PAPER, waterproof, all colors, per roll, 25c; doz., $3.
CREPE PAPER POT COVERS, No. 1, per doz., $1.00; No. 2, per doz., $1.25; No. 3, per doz., $1.50. No. 4, per doz., $2.
COLORED TISSUE PAPER, all colors, per ream, $1.00.
WIRED TOOTHPICKS, per box of 1,000, $1.50.

In adltion to above Easter goods our stock comprises a complete line of **Fancy Baskets** for both plants and flowers; **Pot Covers, Plant Stands, Cut Flower Vases, Fern Dishes, Silver Birch Bark Ware, Doves, Wheat Sheaves, Jardinieres, etc., etc.**

HEADQUARTERS FOR CUT FLOWERS OF ALL KINDS.

Send for prices on anything you may require; we are always pleased to quote prices on your needs.

Special Bargains in Seeds, Bulbs, Plants, Fern Balls and all seasonable stock.

McKellar & Winterson Co.

45-47-49 Wabash Ave., CHICAGO.

Cincinnati.

GROWERS HAVE HUNDREDS OF THOUSANDS OF BULBS TO FORCE —BUSINESS RATHER SLACK.—MACK HAS GOOD STOCK.

George & Allan's Walnut Hills place contains about 12,000 feet of glass and is devoted to pot and bedding plants. The immense amount of stock on hand shows the effects of good treatment. At Hyde Park this firm has about 45,000 feet of glass which is devoted to roses, Beauties, Meteors, Brides, Bridesmaids and Perles, all in good shape. They also have five houses of Harrisii lilies, about 10,000 plants, in 5 inch pots, which will be nicely in bloom for Easter. They have just put in 17,500 lily of the valley for the Easter trade and the visitor can see bulbs in every direction. This firm all told forces annually 500,000 bulbs, but this year they purchased about 600,000, the majority of which stock is handled by the Cincinnati Cut Flower Company.

Business has fallen off somewhat in the last week and stock has been accumulating accordingly. The flowers received, however, are very good, with entirely too much bulbous stock, which it is impossible to dispose of, especially tulips and daffodils. Good roses, carnations and lilies, both Harrisii and callas, move better than anything else. Violets seem to be a glut and the writer last week saw 1000 violets sold for $1.50. But this week we are to have the celebration of the one hundredth anniversary of the incorporation of Cincinnati as a city and we can look forward to a large quantity of flowers being used for this occasion.

Ernst Mack, on Enright avenue, believes in neatness, for a customer who sees a neat and tidy place puts more confidence in the owner. Being opposite a cemetery, naturally Mr. Mack grows blooming and bedding plants, his stock of which is in the best possible condition, especially a house of American Beauty and Hermosa roses in pots, which will be fine for Easter.

Charles Jones has had his Fourth street store remodeled, taking out the entire front and putting in a plate of glass 7x9 feet. I understand Mr. Jones will now manage his Fourth street store and his sister-in-law will look after the Walnut Hills Floral Bazaar.

Julius Baer had a swell window the past week, arranged in yellow and purple. The flowers used were double Von Sions and violets, with purple ribbons and baskets.

D.

R. C. CARNATIONS,

STRONG, CLEAN STOCK.

LAWSON	$4 00	per 100
MARQUIS	4 00	"
ARMAZINDY	1 50	"
PROSPERITY	6 00	"
CRANE	2 00	"
ESTELLE	5 00	"
JOOST	2 00	"
WHITE CLOUD	1 50	"
MACEO	2 00	"

R. C. Verbenas,

18 Varieties, 60c per 100.

Complete Line of Bedding Plants.

LET US PRICE YOUR WANTS.

L. J. STUPPY, St. Joseph, Mo.

CARNATION CUTTINGS

Well Rooted, Clean Healthy Stock.

	Per 100	Per 1000		Per 100	Per 1000
PROSPERITY	$5.00	$35.00	FLORA HILL	$1.50	$ 9.00
NORWAY	4.00	35.00	WHITE CLOUD	1 50	9 00
LAWSON	3.50	30.00	TRIUMPH	1.50	9.00
CRANE	1.50	9 00	SPORT (Guardian Angel)	1.50	9.00
AMERICA	1.50	9.00	MARQUIS	1.50	9.00

QUEEN LOUISE, $4.50 per 100; $10.00 per 1000.

All Rooted Cuttings sold under express condition that if not satisfactory when received they are to be returned immediately, when money will be refunded.

WIETOR BROS., 51 WABASH AVENUE, CHICAGO.

Wholesale Growers of Cut Flowers.

ROSES...

Orders taken for a limited amount of the following:

BRIDES, Rooted Cuttings	$1 50 per 100;	$12.50 per 1000
MAIDS, " "	1 50 "	12.50 "
METEOR, " "	1.50 "	12 50 "
AM. BEAUTY, 2½-inch pots	6 00 "	50.00 "

All cuttings to be rooted to order and wood taken from highest grade, strong stock.

SOUTH PARK FLORAL CO., NEW CASTLE, IND.

ROOTED CUTTINGS

of Carnations and Roses.

All Clean, Healthy Stock, Grown Cool.

CARNATIONS.

PINK VARIETIES.	Per 100	Per 1000
MRS. LAWSON	$4.00	$35.00
MARQUIS	3.00	25.00
MORNING GLORY	3.00	25.00
ETHEL CROCKER	2.00	12.50
MRS. F. JOOST	1.50	12.50
WHITE VARIETIES.		
NORWAY	5.00	40.00
WHITE CLOUD	1.50	12.50
FLORA HILL	1.50	12.50
RED VARIETIES.		
RED MRS. BRADT	2.50	20.00
G. H. CRANE	2.00	17 50
AMERICA	2.00	15.00
VARIEGATED VARIETIES.		
PROSPERITY	6.00	50 00
MRS. BRADT	2.50	20.00
MAROON VARIETIES.		
GEN. MACEO	1.50	12.50
YELLOW VARIETIES.		
GOLD NUGGET	3.00	25.00
ROSES.		
BRIDES, BRIDESMAIDS, METEORS	1.50	12.50
PERLES	2.00	15.00

Orders for less than 25 of one variety charged extra. All plants shipped from Hinsdale.

Bassett & Washburn,

STORE: 76 WABASH AVE.

GREENHOUSES: HINSDALE, ILL. CHICAGO.

CARNATION MARY WOOD

Rooted cuttings from soil, good strong plants, $1.50 per 100.

A. R. KNOWLES, Bloomington, Ill.

American Florists Ads

Always do business,
Week days and every day
Sundays and holidays,
All over the country,
At home and abroad.

CARNATIONS

ROOTED CUTTINGS.

Strong Healthy Stock.

The following at $12.00 per 100; $100 00 per 1000: Viola Allen, Stella, Alba, Jos. H. Manley, Mrs. Potter Palmer, Apollo, Harry Fenn, Dorothy Whitney.

The following at $10.00 per 100; $75.00 per 1000: Golden Beauty, Challenger: Mrs. E. A. Nelson, Cressbrook, Gaiety.

The following at $6.00 per 100; $50.00 per 1000: Gov. Roosevelt, Prosperity, Lorna, Norway.

Queen Louise, $5 per 100; $40 per 1000.

Mrs. Lawson, $4.50 per 100; $40 per 1000.

Morning Glory and Mrs. G. M. Bradt, $3 00 per 100; $25.00 per 1000.

Lizzie McGowan and Wm. Scott, $1 50 per 100; $12 00 per 1000.

THE COTTAGE GARDENS,

QUEENS L. I., N. Y.

CARNATIONS

Well rooted, clean, healthy stock. Early struck cuttings make best plants.

	100	1000		100	1000
Roosevelt	$6.00	$50.00	Maceo	$2.00	$17.50
Prosperity	6.00	50 00	White Cloud	1.50	12.50
Lorna	6.00	50 00	Flora Hill	1.50	12.50
Norway	5.00	40 00	Joost	1.50	12.50
Irene	5 00	40 00	E. Crocker	1.50	12.50
Lawson	4.00	35.00	America	1.50	12.50
Marquis	2.50	20.00	G. Lord	1.25	10.00
M. Glory	2 50	20.00	Triumph	1.25	10.00
Gomez	2 00	17.50	Scott	1.00	8.00
Bradt	2.00	17.50	Daybreak	1.00	8.00
Glacier	2.00	17 50			

250 at 1000 rates; 25 at 100 rates. Cash or C. O. D.

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

Please mention the American Florist when writing.

Get the BEST.

ROOTED CARNATION CUTTINGS

Cheap Cuttings are Dear at any Price.

INTRODUCTIONS OF 1902.

	Per 100	1000
GOV. WOLCOTT, (Fisher), white	$10	$80
ENQUIRER, (Witterstaetter), light pink	12	100
MRS. E. A. NELSON, (Nelson), glistening pink. $2.50 per dozen	10	80
J. H. MANLEY, (Cottage Gar.), orange scarlet	12	100
H. FENN, (Cottage Gardens), crimson	$12	$100
VIOLA ALLEN, (Cottage Gar.), variegated	12	100
VIOLANIA, (Cottage Gardens), variegated	12	
CRESSBROOK, (Warburton), bright pink	10	80
GAIETY, (Hill), variegated	10	75

FANCY CARNATIONS.

	Per 100	Per 1000
PROSPERITY, variegated	$6.00	$50 00
MRS. G. M. BRADT, variegated	3.00	25.00
NORWAY, white	6.00	50.00
LORNA, white	5.00	40.00
WHITE CLOUD, white	2.00	15.00
MRS. T. W. LAWSON, pink	4.50	40.00
MRS. FRANCES JOOST, pink	2.00	12.50
IRENE, pink	5.00	40.00
MORNING GLORY, light pink	$3.00	$25.00
MARQUIS, light pink	3.00	25.00
MERMAID, light pink	3 00	25.00
GOV. ROOSEVELT, crimson	6.00	50.00
GEN. MACEO, crimson	2.00	15.00
ESTELLE, scarlet	6.00	50.00
G. H. CRANE, scarlet	2.50	20 00
GOLDEN BEAUTY, yellow	8.00	75.00
ELDORADO, yellow	2.50	20.00

All of our cuttings are well rooted and free from disease. Let us figure on your wants. Discounts on large quantities. BLOOMS SHIPPED FROM GREENHOUSES TO ALL POINTS ON SHORT NOTICE. SEND IN YOUR ORDERS. Upon application, we will mail our catalogue.

J. D. THOMPSON CARNATION CO.

JOLIET, ILLINOIS.

The GUARDIAN ANGEL FLORIST, Chicago.

PRICE LIST of Rooted Carnation Cuttings.
NEW AND STANDARD VARIETIES.

The Guardian Angel is the best commercial pink carnation in the market to-day. It is a good keeper; its growth is strong and vigorous; it never bursts and is never off crop. Received 1st prize at Horticultural Exposition and first-class Certificate of Chicago Florists' Club for best pink. Rooted cuttings, $2.00 per 100, $15.00 per 1000.

NEW VARIETIES	Per 100	Per 1000
PROSPERITY, white overlaid with pink	$6.00	$50.00
QUEEN LOUISE, white	5 00	40 00
BON HOMME RICHARD, white	5 00	40.00
IRENE, pink	5.00	40.00
GENERAL LIST		
FLORA HILL, white	1.25	10.00
WHITE CLOUD, white	1.25	10.00
MRS. LAWSON, pink	4.00	35.00
MARQUIS, pink	1.50	12.00
ESTELLE, scarlet	6 00	50 00
G. H. CRANE, scarlet	2.00	15.00
MRS. BRADT, variegated	2.50	20.00
ARMAZINDY, variegated	1.25	10.00

THE GUARDIAN ANGEL FLORIST,
401 Devon Avenue, Sta Y. CHICAGO.

50,000 Rooted CARNATION CUTTINGS

to dispose of yet; all well rooted and free from disease.

	Per 100	Per 1000
Queen Louise	$5 00	$40.00
Flora Hill, Daybreak	1.25	10.00
Crane, America, Crocker	1.50	12.00
Lippincott, Melba	1 25	10.00
Lizzie McGowan	1.25	10.00
White Cloud	1.50	12.00

5000 BRIDESMAID ROSES, in 2½-inch pots, $2.00 per 100; $20 00 per 1000.

Special prices on large orders. Cash with order.

MERCER FLORAL CO.,
TRENTON, N. J.

ROOTED CUTTINGS

CARNATIONS.

	Per 100	Per 1000
MRS. POTTER PALMER	$12.00	$100.00
MRS. HIGINBOTHAM	12.00	100.00
PROSPERITY	4 00	30.00
NORWAY	5 00	40 00
IRENE	3.00	25.00
MRS. LAWSON	3.00	25 00
MARQUIS	1.25	10.00
G. H. CRANE	1.25	10.00
FLORA HILL	1.25	10.00
MRS. JOOST	$1.00	$6.00
WHITE CLOUD	1.25	10.00
EVANSTON	1.00	6 00
MRS. INE	1.25	10 00
WM. SCOTT	1.00	6.00
GENEVIEVE LORD	1.25	10.00
ETHEL CROCKER	1.25	10.00
GUARDIAN ANGEL	1.25	10.00
ARGYLE	1.00	6.00
AMERICA	1.25	10.00

ROSES.

	Per 100	Per 1000
METEOR	$1 50	$12 50
PERLE	1.50	12.50
BRIDE	1 50	12.50

ROSES.

	Per 100	Per 1000
BRIDESMAID	$1.50	$12.50
GOLDEN GATE	1.50	12.50

ROSE PLANTS from 2½-in. pots.

	Per 100	Per 1000
METEOR	$3 00	$ 5 00
PERLE	3.00	25.00
BRIDE	3 00	25.00
BRIDESMAID	$3.00	$25 00
GOLDEN GATE	3 00	25.00
KAISERIN	3.00	25 00

The above named stock is clean, well rooted and free from disease.

GEO. REINBERG, 51 WABASH AVENUE, CHICAGO.

ROSES

Crimson Rambler Climbing Clothilde Soupert.

Ramblers, 3 to 4½ ft., well branched. $10 per 100
" 2½ to 3 ft., " " ... 8 per 100
" 1½ to 2½ ft., " " ... 6 per 100
Soupert, strong field-grown plants ..... 15 per 100

The Conard & Jones Co, West Grove, Pa.

SYLVIA

A NEW WHITE CARNATION.

As a free and continuous bloomer it beats anything we have ever grown; flowers average 2½ to 3 inches in diameter. Rooted cuttings now ready, $8 per 100; $75 per 1000.

WOODFALL BROS., Glen Burnie, Md.

St. Louis.

TRADE QUIET AND RECEIPTS MOVING SLOWLY.—BEAUTIES THE ONLY SARCITY. —PRICES LOW. — BREAKFAST TABLE DECORATION.—NOTES.

The market is very quiet this week and stock has been coming in too fast, but nothing has been received that could be called very fancy. Roses are coming in quite plentifully but the best are few in number and $6 is about the highest that is received for them, while the poorer ones bring as low as $3. American Beauties continue to be scarce. Carnations are not bringing as much as they did a week ago, from $1 to $1 50. Violets are to be had at almost give-away prices although there does not seem to be such a great oversupply. Lily of the valley is very fine but prices are low. Bulbous stock in general brings about $2 to $3. Calla lilies are very fine, and on account of a number of funerals have had quite a run at from $6 to $10.

The largest and most important decoration of the week was the one at the breakfast table of Prince Henry at the St. Louis Club. The tables were arranged in the shape of an elongated horse-shoe. Prince Henry sat at the head and immediately in front of him was a splendid wreath four feet in diameter. Immediately back of this were two 6 foot links, connected, while along the tables at intervals were large vases and around the base of each was a design. Connecting the vases was a string of Aspargus Sprengeri interlaced with American Beauties. No other flower was used but the American Beauty and over 1,000 blooms were required. The halls and stairways were decorated with palms and American Beauties. The decoration was in charge of Ellison & Tesson.

Superintendent Ridgley, of the city parks, is trying to have some of the large trees that are to be cut down on the fair site taken up and transplanted to the different city parks. He thinks these trees can still be moved with safety and advises that it be done as soon as possible. R. J. M.

THE
MRS. E. A. NELSON
bids fair to become the Commercial standard pink carnation. It is an early, free and continuous bloomer and it is sure to do well wherever grown. Orders booked now for delivery latter part of March. For prices, see AM. FLORIST, Feb. 15.
E. A. NELSON,
3503 N. Senate Ave., INDIANAPOLIS, IND.

California Carnations.
Our cuttings are rooted without fire heat and are strong, hardy and well rooted. They are so far superior in every way to cuttings rooted by fire heat that they should not be mentioned in the same connection. We guarantee safe arrival and satisfaction.

	Per 100	Per 1000
QUEEN LOUISE, white	$4.00	$30.00
MERMAID, fine salmon pink	3 00	20.00
G. H. CRANE, scarlet	1.50	12.00
MRS. F. JOOST, fine pink	1.00	8 00

Giant of California Pansy Plants, 50c per 100; $2.50 per 1,000. Giant of California, transplanted plants, $5 per 1000—100 sent at 1000 rates.
TERMS CASH WITH ORDER.
THE LOOMIS FLORAL CO.,
LOOMIS, CALIFORNIA.
Please mention the American Florist when writing

THE GRANDEST NEW FORCING ROSE
Souvenir de Pierre Notting
The Best, The Finest, The Most Free Blooming of all Forcing ROSES, color deep yellow; will be distributed for the first time April, 1902
BY THE RAISERS
SOUPERT & NOTTING,
ROSE GROWERS,
LUXEMBOURG, (Europe).
Net price, $80.00 per 100; $1.00 each. Write for lithographs.

The Sensational New Rose for 1902.
MRS. OLIVER AMES.
For description, prices, etc, see my wholesale trade list now ready.
What the leading Retail Florists of the different cities say of this Rose:
Mr. Alexander McConnell, New York, under date of Dec. 16th, writes:
DEAR SIR:—I consider your New Rose Mrs. Oliver Ames a very valuable acquisition to our collection of roses; the delicate pink tint of the bloom and fine foliage, gives the new introduction a decided distinctive character. A strong grower with excellent keeping qualities so desirable to the retail florist.
Yours very truly, ALEXANDER McCONNELL.
JOHN H. MAY, Summit, N. J.

"If you are still looking for a PROFITABLE"
HIGH GRADE
White Carnation
Don't fail to call and see, or investigate the
Gov. Wolcott.
Orders booked now will be filled in strict rotation, commencing Jan. 1st, 1902, and as fast thereafter as stock is ready. Rooted Cuttings from sand, $10 per 100; $40 per 500; $80 per 1000.
Send P. O. Money Orders on Norwood, Mass.
Peter Fisher, Ellis, Mass.

CARNATIONS
Rooted Cuttings of all the new 1902 and best standard varieties. Send for price list.
WILLIAM SWAYNE,
BOX 226. KENNETT SQUARE, PA.
Please mention the American Florist when writing.

CARNATIONS
Well Rooted and Healthy.

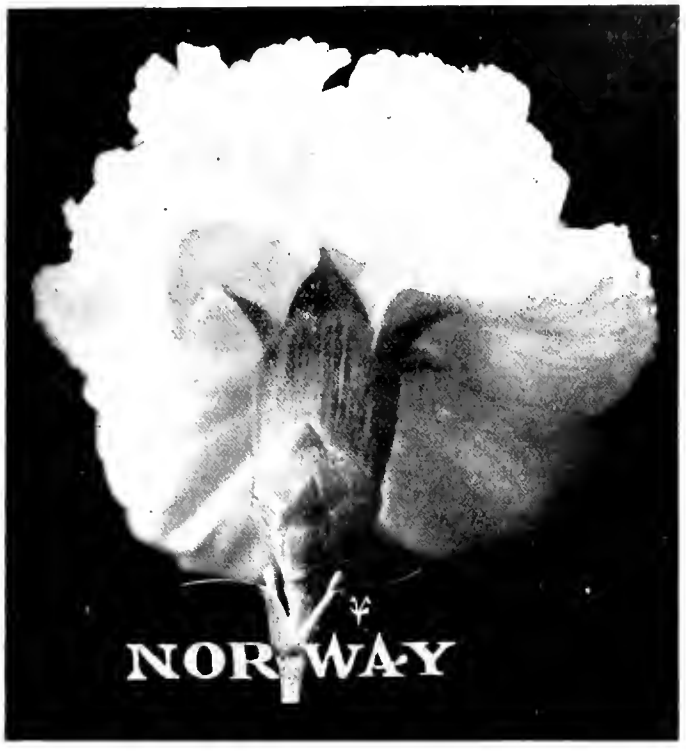
	Per 100	Per 1000
PROSPERITY, white overlaid with pink	$6.00	$50.00
GOV. ROOSEVELT, crimson	6.00	50.00
QUEEN LOUISE, white	4.00	40.00
BON HOMME RICHARD, white	4.00	30 00
IRENE, pink	4 00	30.00
TRIUMPH, pink	2 00	15 00
WHITE CLOUD, white	2.00	15.00
THOS. W. LAWSON, pink	4.00	35.00
MARQUIS, pink	2 50	20.00
G. H CRANE, scarlet	2.00	15.00
AMERICA, scarlet	2.00	15 00
MRS. BRADT, variegated	2 50	20.00
GUARDIAN ANGEL	1.75	15.00

MICHAEL WINANDY,
DEVON AVE. AND NORTH ROBEY. CHICAGO.
Please mention the American Florist when writing.

ROOTED CARNATION CUTTINGS.

Why not get the Best? They are the Cheapest.

You don't have to buy 200 to have 100 fit to plant out, when planting time comes. For every 100 we send, you have 101 when ready to plant. We have the finest and largest stock of NORWAY and ESTELLE in the country. Stock marked (*), now ready in flats. ☞ Send us a list of your wants for special prices on large lots.



	Per 100	Per 1000
FLORA HILL	$1.75	$15.00
*GENERAL MACEO	1.75	15.00
*MRS. F. JOOST	1.75	15.00
*WHITE CLOUD	1.75	15.00
*WM. SCOTT	1.75	15.00
*AMERICA	1.75	15.00
DAYBREAK	1.75	15.00
ETHEL CROCKER	1.75	15.00
*G. H. CRANE	2.50	20.00
*TRIUMPH	2.00	18.00
GUARDIAN ANGEL	1.75	15.00
*GENEVIEVE LORD	2.00	15.00
*MARQUIS	2.00	17.50
*MRS. G. M. BRADT	2.50	20.00
*CHICAGO	3.50	30.00
GOLD NUGGET	3.50	30.00
*MORNING GLORY	3.00	25.00
LORNA	5.00	40.00
*MRS. T. W. LAWSON	5.00	40.00
QUEEN LOUISE	5.00	45.00
*NORWAY	4.50	40.00
PROSPERITY	6.00	50.00
*GOVERNOR ROOSEVELT	6.00	50.00
ESTELLE	6.00	50.00
DOROTHY	6.00	50.00
CRESSBROOK	10.00	75.00
ENQUIRER	12.00	100.00
MRS. POTTER PALMER	12.00	100.00
MRS. HIGINBOTHAM	12.00	100.00
MRS. E. A. NELSON	10.00	80.00

CANNAS

Strong, Dormant, Two Eyed Roots.

	Per 100	Per 1000
ALLEMANIA	$3.00	$25.00
BURBANK	3.00	25.00
EXP. CRAMPBELL	3.00	25.00
FLORENCE VAUGHAN	4.00	35.00
MDLLE. BERAT	3.00	25.00
PAUL MARQUANT	3.00	25.00
PRES. CARNOT	2.50	20.00
MIXED, ALL COLORS	1.75	10.00

Largest stock in United States of other choice cannas true to name. Write for prices.

GREENHOUSES: WESTERN SPRINGS, ILL. **VAUGHAN'S SEED STORE,** 84-86 RANDOLPH ST., CHICAGO. 14 BARCLAY ST., NEW YORK.

Ivory

or White Golden Gate.

The Best White Rose

$6.00 PER 100.
27.50 PER 500.
50.00 PER 1000
Ready Now.

W. A. Hammond
107 E. Broad St., Richmond, Va.

Roses! Roses!

American Beauties, Brides, Maids, Perles, Kaiserin, LaFrance, Wootton, Belle Siebrecht and Golden Gate, in 2 and 2½-in. pots; also Rooted Cuttings ready now. This is strong, healthy stock from 2 and 3 eyed cuttings.

Write for prices. Send $1.00 for samples.

J. C. MURRAY,
403 Main St., Peoria, Ill.

Carnation Floriana

We believe this to be the best pink carnation introduced to date, was disseminated in the spring of 1901 by originators, Messrs. Fillow & Banks. Price, $6.00 per 100; $50.00 per 1000. 50 at 100 rate, 500 at 1000 rate. Less than 50, 8c each.

DAILLEDOUZE BROS. Carnation and Chrysanthemum Specialists, FLATBUSH, BROOKLYN, N. Y.

AMERICAN BEAUTY ROSES.

First crop now ready. Strong plants from 2½-in. pots, $6.00 per 100; $50.00 per 1000.

Our young plants of American Beauty are exceptionally fine this year, and we extend a cordial invitation to intending planters to inspect our stock. Orders booked now for Spring delivery and will be filled in rotation.

ROBT. SCOTT & SON, Sharon Hill, Del. Co., Pa.

American Beauties

From 2x3-in. Rose Pots, **$6.00 per 100; $50.00 per 1000.**

JOSEPH HEACOCK, WYNCOTE, near Philadelphia, PA.

Am. Beauties

ROOTED CUTTINGS
READY APRIL 1.
$25.00 PER 1000.

This stock is free from spot, thoroughly rooted and first class in every respect. If not satisfactory or just as represented by us you can return same at once.

J. A. BUDLONG, 37 and 39 Randolph St., CHICAGO, ILL.

Worcester, Mass.

PLANT GROWERS ALARMED AT LOOSELY DRAWN LEGISLATIVE ACT.—REQUIRES FUMIGATION OF ALL PLANTS.

The florists and nurserymen in this vicinity are considerably stirred up about a bill which has been brought before the state legislature and which reads as follows:

AN ACT TO PROVIDE FOR THE PROTECTION OF TREES, PLANTS AND SHRUBS FROM INJURIOUS INSECTS. BE IT ENACTED BY THE SENATE AND HOUSE OF REPRESENTATIVES IN GENERAL COURT ASSEMBLED, AND BY THE AUTHORITY OF THE SAME, AS FOLLOWS:

Section 1. It shall be the duty of all nurserymen and other persons who raise or sell trees, plants or shrubs to fumigate, by the use of hydrocyanic acid or other known and approved insecticide, any trees, plants or shrubs raised or imported, or sold or otherwise disposed of by them, before the same are removed from the premises upon which they were raised, or from the premises upon which they were kept at the time when they were sold or otherwise disposed of, or from the place in which they were kept after being imported.

Section 2. In the case of trees, plants or shrubs imported from foreign states or countries, the said fumigation need not be performed, provided that the said trees, plants or shrubs so imported were accompanied by a certificate signed by a duly authorized person to the effect that such plants, trees, or shrubs had been fumigated properly and sufficiently before they were exported.

Section 3. Whoever, being a nurseryman or dealer in trees, plants or shrubs, permits any tree, plant or shrub sold or otherwise disposed of by him to be removed from the premises aforesaid without having been fumigated as aforesaid, either by him or before importation as aforesaid, shall be subject to a penalty of not less than twenty-five nor more than two hundred dollars for each offence.

Section 4. This act shall take effect upon its passage.

This measure was brought up by various committees in different parts of the state to assist is fighting the San Jose scale. It seems to have been drawn up in a way that, at the least, is very impracticable. The way the bill reads, according to my interpretation, any dealer who sells a plant from greenhouse or field, whether an apple tree or an aster seedling, must have it fumigated by hydrocyanic gas or "some other known and approved insecticide," whatever that means, before he can deliver it to his customer, or be subject to a heavy fine. I would advise all florists to bring the matter before their representatives at the general court, as it would be a serious matter if it should become a law.

A. H. L.

HOLYOKE, MASS.—O. D. Allyn has been appointed city forester to succeed D. H. Newton, who has resigned on account of ill health.

NEW CARNATIONS.

	Doz.	100	1000
CRESSBROOK	$1.50	$10 00	$75.00
ENQUIRER	3.00	12.00	100.00
FAIR MAID	2.00	10.00	75.00
GAIETY	1.50	10.00	75.00
J. H. MANLEY	2.00	12.00	100.00
HARRY FENN	2.00	12.00	100.00
VIOLA ALLEN	2 00	12.00	100 00
NORWAY		6.00	50.00
FLORIANA		6.00	50.00
ALBA	2 50	12.00	
STELLA	2 50	12.00	
DOROTHY WHITNEY	2.50	12.00	
APOLLO	2.50	12.00	

Also other new and standard varieties.

CHRYSANTHEMUMS.

We offer all of the new varieties of 1902; also the best of 1901. A large number of last year's novelties and leading standard varieties ready now, from 2½-inch pots. Send for List.

Correspondence solicited.

H. WEBER & SONS, OAKLAND, MD.

NOTICE.

Before placing orders for Rooted Carnation and Rose Cuttings and 2½-inch Rose Plants, write your wants to

JOHN BROD, 319 WEST NORTH AVE. **Chicago, Ill.**

CARNATION CUTTINGS

All the new and standard varieties, free from rust and all other diseases. Our stock is in fine shape and all cuttings are well rooted when sent out.

	Per 100	Per 1000
HIGINBOTHAM	$12.00	$100.00
MRS. POTTER PALMER	12 00	100.00
PROSPERITY	4.00	30.00
NORWAY	5 00	40.00
IRENE	3.00	25.00
LAWSON	3 00	25 00
BON HOMME RICHARD	3 00	25 00
HOOSIER MAID	3.00	25 00
CRANE	1 25	10.00
THE MARQUIS	1.25	10.00
GENEVIEVE LORD	1.25	10 00
ARGYLE	1.00	7 50
GUARDIAN ANGEL	1 25	10.00
FRANCES JOOST	$ 1.00	$ 7.50
CERISE QUEEN	1.00	7.50
ETHEL CROCKER	1.25	10.00
TRIUMPH	1.25	10.00
FLORA HILL	1.25	10.00
WHITE CLOUD	1.25	10.00
PERU	1.00	7.50
AMERICA	1.50	12.50
MRS. L. INE	1.50	12.50
MRS. BRADT	1.75	15.00
ARMAZINDY	1.25	10.00
EVANSTON	1.00	7.50

ROSE PLANTS.

2½-in. pots.	Per 100	Per 1000
BRIDESMAID	$3.00	$25.00
BRIDE	3.00	25.00
KAISERIN	3.00	25.00
PERLE	$3.00	$25.00
GOLDEN GATE	3.00	25.00

ROOTED ROSE CUTTINGS.

	Per 100	Per 1000
BRIDESMAID	$1.50	$12.50
BRIDE	1.50	12.50
GOLDEN GATE	$1 50	$12.50
PERLE	1.50	12.50

All Plants and Rooted Cuttings sold under express conditions that if not satisfactory when received they are to be returned immediately, when money will be refunded.

Write for prices on large quantities.

Peter Reinberg, 51 Wabash Ave., Chicago

Carnation Cuttings...

Well rooted, from clean, healthy stock, cool grown.

	Per 100	Per 1000
ROOSEVELT	$6.00	$50 00
PROSPERITY	5.00	45.00
NORWAY	4 50	40.00
LAWSON	4.00	35.00
LORNA	3.50	30.00
EGYPT	3.00	25.00
MORNING GLORY	2.50	20.00
CRANE	$2.00	$17.50
GENEVIEVE LORD	1.50	12.50
WHITE CLOUD	1.50	12.50
TRIUMPH	1.50	12.50
MME. CHAPMAN	1.25	10.00
FLORA HILL	1.25	10.00
PERU	1.25	10.00

WE SOLICIT YOUR ORDERS AND WILL GUARANTEE SATISFACTION.

GRAND RAPIDS VIOLET CO., Grand Rapids, Mich.

CRESSBROOK. The coming Pink Carnation for everybody to grow.

Baltimore, Feb. 21, 1901, it scored 94 Points, the highest of any seedling. Cressbrook has never shown disease of any kind and is an extra free bloomer. Size of flowers under ordinary culture, 3 to 3½ inches.

Orders will be delivered in rotation on and after Jan. 1, 1902, at the following prices:

12 plants	$ 1.50	250 plants	$25.00
25 plants	3.00	500 plants	37.50
50 plants	5.00	1000 plants	75.00
100 plants	10.00		

C. WARBURTON, FALL RIVER, MASS.

Cressbrook may be seen growing at

THE E. G. HILL CO'S., Richmond, Ind., and at WM. NICHOLSON'S, Framingham, Mass.

New Scarlet Carnation "ORIOLE"

Sure to become the Standard Scarlet Carnation for florists to grow. The freest and earliest scarlet in cultivation; is always in bloom and a healthy grower. Orders booked now for February delivery. Price **$1.50** per dozen; **$10.00** per **100**; **$75.00** per **1000.**

AWARDED GOLD MEDAL AT THE PAN-AMERICAN EXPOSITION.

John B. Goetz, Saginaw, West Side, Mich.

Dreer's Special Offer of
AZALEAS & DECORATIVE PLANTS
FOR EASTER.

AZALEA.

Azaleas We are carrying a large stock of Azaleas in prime condition for Easter Flowering of nearly all the prominent varieties and can still include ten per cent of Mme. Van der Cruyssen if desired. As these plants can be shipped without risk of damage while in bud, we wish to impress the importance of early orders. We will not be responsible for injuries arising from late shipments when the buds are developed.

Bushy Crowns, 10 to 12 inches in diameter ..... $5.00 per doz. $40.00 per 100
Bushy Crowns, 12 to 14 inches in diameter..... 6.00 per doz. 50.00 per 100
Bushy Crowns, 13 to 15 inches in diameter..... 9.00 per doz. 70.00 per 100

A fine lot of specimen plants of Mme Van der Cruyssen of good value at $2.00, $2.50 and $3.00 each.

PALMS Our Palm-stocks have never been in better condition. **Clean, Thrifty, of Good Color and Excellent Value.**

ARECA LUTESCENS.

		Per Doz.	Per 100
3-inch pots,	2 plants in a pot, 12 to 15 inches high,	$ 1.25	$ 10.00
4-inch pots,	3 " " 15 to 18 "	3.00	20.00
		Each	Doz.
6-inch pots,	3 " " 28 to 30 "	1.00	12.00
7-inch pots,	3 " " 30 "	1.50	18.00
8-inch pots,	3 " " 30 to 36 "	2.50	30.00

KENTIA BELMOREANA.

		Each.	Per Doz.	Per 100
3-inch pots,	5 leaves, 12 to 15 inches high.....		$ 2.50	$20.00
4-inch pots,	5 to 6 " 15 to 18 "		4.50	35.00
6-inch pots,	6 " 24 to 28 "	$1.25	15.00	
6-inch pots,	6 " 28 to 30 "	1.50	18.00	
7-inch pots,	6 to 7 " 30 to 32 "	2.00	24.00	
7-inch pots,	6 to 7 " 34 to 36 "	2.50	30.00	
8-inch pots,	7 " 36 "	4.00	48.00	

8-inch pots, 3 to 4 plants in a pot, well furnished, 3½ feet high, $4.00 each.
5-inch pots, 4 plants in a pot, well furnished, 15 in. high, 60c each.

PHOENIX CANARIENSIS.

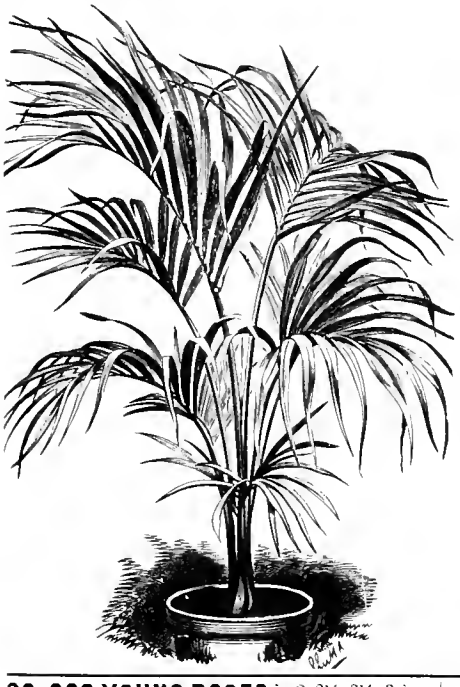
7-inch pots, 26 to 28 inches high, bushy stocky plants, each..... $1.75
8-inch pots, 28 to 30 " " " " 2.00
8-inch pots, 30 to 36 " " " " 2.50
12-inch tubs, 3½ to 4 feet high " " " 6.00
14-inch tubs, 4 to 4½ " " " " 7.50

KENTIA FORSTERIANA.

		Each.	Per Doz.	Per 100
3-inch pots,	5 leaves, 12 to 15 inches high.....		$ 2.50	$20.00
4-inch pots,	5 to 6 " 15 to 18 "		4.50	35.00
5-inch pots,	5 to 6 " 18 to 20 "		6.00	50.00
6-inch pots,	5 to 6 " 28 to 30 "	$1.00	12.00	
6-inch pots,	6 " 30 to 32 "	1.25	15.00	
6-inch pots,	6 " 34 to 36 "	1.50	18.00	
7-inch pots,	6 to 7 " 36 "	2.00	24.00	
8-inch pots,	6 to 7 " 42 "	2.50	30.00	
8-inch pots,	6 to 7 " 42 to 48 "	3.00	36.00	
9-inch pots,	6 to 7 " 48 "	4.00	48.00	
8-inch pots,	3 plants in a pot, 42 to 48 inches high..	4.00	48.00	

LATANIA BORBONICA.

3-inch pots, 5 to 6 leaves, 10 to 12 inches high... $1.00 per doz., $ 8.00 per 100
6-inch pots, 5 to 6 leaves, 14 to 16 inches high....$6.00 per doz., $50.00 per 100
6-inch pots, 6 " 18 to 20 " ....$9.00 per doz., $75.00 per 100



AUCUBA JAPONICA.

6-inch pots, bushy plants, 12 inches high, each, 25 cts., doz.....$2.50
7-inch pots, " 15 to 18 inches high, each, 40 cts., doz.....$4.50

BOXWOOD.

Standard or Tree Shaped, stems 24 to 28 inches high, crowns 15 to 18 inches in diam., each. .$1.00
Pyramid Shaped, 3 feet high, 15 inches in diameter at base, each.....$2.00

FICUS ELASTICA.

4-inch pots, 10 to 12 inches high.....$4.00 per doz., $30.00 per 100
6 inch pots, 24 inches high.....$7.50 " $60.00 "

PANDANUS UTILIS.

Fine plants, 3-inch pots.....per doz., $1.00; per 100, $8.00
" " 4-inch pots..... " 2.00; " 15.00
" " 6-inch pots.....each, 60 cts.; per doz, 7.00

PANDANUS VEITCHII

Fine plants, 6-inch pots.....each $1.00; per doz, $12.00

FERNS FOR FERN DISHES.

We carry at all times a large stock of Ferns suitable for filling Fern Dishes etc., which can be supplied in choice mixture of our selection.

2¼-inch pots..... $3.00 per 100; $25.00 per 1000
3-inch pots..... $6.00 " $50.00 "
250 will be supplied at 1000 rates.

We are **Headquarters for Water Lilies and all Aquatic Plants, Largest Stock and Best Assortment of Hardy Perennial Plants in the country.** All are fully described and illustrated in our March to July Wholesale List which has just been distributed.

HENRY A. DREER,
714 Chestnut Street, PHILADELPHIA, PA.

30,000 YOUNG ROSES in 2x2½, 2½x3-in. and 3-in. pots. Also Rooted Cuttings. Roses—Meteors, Brides, Maids, Kaiserins, Perles, Am. Beauties, Liberty, Golden Gate, La France, Belle Siebrecht. We believe in shifting Young Roses. All stock offered in 2½-in. pots has been shifted from 2-in. and is equal to most stock advertised as 3-in. and when we send it out is well established. The above are now ready to go out and—as we need room—we will make special prices in quantity. Send us a list of what you want and we will give you our figures. Send $1.00 for samples. Write

GEO. A. KUHL, PEKIN, ILL.

ROOTED CUTTINGS OUR SPECIALTY—Verbenas, all standard named kinds, 60c per 100; $5.00 per 1000. **Heliotrope,** 14 named varieties, $1.00 per 100; $8.00 per 1000. **Petunias,** 24 varieties, $1.25 per 100. **Salvias,** 5 varieties, $1.00 per 100. **Ageratums,** 5 varieties, 60c per 100. **Coleus,** 34 varieties, 60c per 100; $5.00 per 1000. **Alyssum,** $1.00 per 100. Express prepaid on all Rooted Cuttings. Satisfaction guaranteed. Cash with order. Write—

S. D. BRANT, CLAY CENTER, KAN.

STOCKS.

Ten Weeks, out of 2¼-in. $2.00 per 100; $15 per 1000.
Salvias, 2¼-inch, $2.00 per 100.
Giant Alyssum, 2¼-inch, $2.00 per 100.
Sweet Williams, 1 year old plants $2.00 per 100; $15.00 per 1000.
Forget-Me-Not, 2¼-inch, in bloom, $1.50 per 100.
Vinca Variegata, rooted cuttings, $1.00 per 100.

J. C. SCHMIDT, Bristol, Pa.

Asparagus Plumosus.

2½-inch, $3.00 per 100.

H. HILLS, ELKHART, IND.

If You Have Stock To Sell...

the best way to make that fact known to the trade is by regular advertising in

Give it a trial. **...The American Florist.**

Lowell, Mass.

WEATHER NOW FAVORABLE TO EASTER PLANTS.—LILIES LIKELY TO BE THE ONLY SHORTAGE.—TRADE NOW GOOD.—STOCK MOVING WELL.—VARIOUS LOCAL NOTES OF INTEREST.

The severe snow storm that struck this place two weeks ago has all vanished; in fact, it left us as fast as it came. At the present time we are having plenty of sunshine and if the weather continues to hold on the way it has started in this month it would seem as if there would be no shortage of anything at Easter except lilies. Business for the past week has been fairly good. There has been much call for funeral flowers, keeping everybody very busy. Patten furnished an elegant casket cover of violets for the obsequies of the late Mary Coburn, using about 10,000 blooms in making it. The complexion of the rose question is somewhat changed. Brides and Bridesmaids are now more plentiful but there is a good demand for stock of good quality. The supply of red roses at present is not enough to meet the demand. Carnations seem to keep on their high perch. Lawsons and the other "top notchers" bring from $4 to $6 per hundred, while the common varieties fetch from $2 to $3. Single stocks and sweet alyssum are now coming in. There seems to be no end to the bulbous stock. Mignonette is both good in supply and quality.

Otto Bourdy, whose greenhouses are located upon the boulevard, close to the bank of the Merimack river, is wearing a worried look these days, owing to the sudden rise of the river caused by the heavy rains up in New Hampshire. The river has already risen several feet above high water mark and should it rise a few feet more Mr. Bourdy's place would be under water.

M. A. Patten is at home from the convention via Chicago, and reports a very enjoyable time.

Allan Pierce, of Waverley, was in town last week, renewing his contracts for lilies. A. M.

POMEROY, PA.—The real estate of the late W. H. Harvey has been sold to Charles Harvey, a brother, also a florist at Kennett Square.

LAKE FOREST, ILL.—Calvert & Son are preparing to rebuild a 200 foot house and if everything goes well will add to their range next year.

FOR SALE Four large specimen plants, **LATANIA BORBONICA**, height and spread twelve feet, in 30x30x30-in. cedar boxes in good condition.

10 large green and variegated **ALOES.**
10 large variegated **YUCCAS,**
Can be sent by freight about May 1st.

JOHN RALPH, Saratoga Springs, N. Y.

For Sale....

A GREAT BARGAIN.—75 Cypripedium Insigne strong blooming plants, grown in 7 to 10 in. pots in fine condition. Write for price at once.

W. T. & F. P. BUTZ, New Castle, Pa.

Geraniums in Bloom

Nutt, Poitevine, Riccard, Grant, Brunnt Doyle, in bloom, 3-in. pots $3.00; 2½-in pots, $2.50 per 100. **Pelargoniums** in 2½ in. pots, $2.50 per 100. These are A 1 plants

G. P. MOORE, OCEAN CITY, N. J.

Please mention the American Florist when writing

Carnation Cuttings Perfectly Healthy. Propagated From Choice Stock. NOW READY.

Queen Louise. The Best White Commercial Carnation, **$5.00** per Hundred; **$40.00** per Thousand.

	Per 100	Per 1000
PROSPERITY	$6.00	$50.00
MRS. THOS. LAWSON	4.00	35.00
GOV. ROOSEVELT	6 00	50.00
HOOSIER MAID	4.00	
IRENE	4.00	
NORWAY	4.00	
EGYPT	4.00	
MRS. BERTRAM LIPPINCOTT	3.00	25.00
MARQUIS	2.50	20.00
MRS. G. M. BRADT	3.00	
CHICAGO	3.00	
MACEO	2.00	
BUTTERCUP	4.00	

	Per 100	Per 1000
GOMEZ	$2.00	
CROCKER	1 50	$12.50
GENEVIEVE LORD	1.50	12.50
G. H. CRANE	2.00	15.00
VICTOR	2.00	
WM. SCOTT	1.50	12.50
DAYBREAK	1.50	12.50
ELDORADO	1.50	12.50
JUBILEE	1.50	12.50
FLORA HILL	1.50	12.50
TRIUMPH	1.50	12.50
PORTIA	1.50	12.50
WHITE CLOUD	1.50	12.50

J. L. DILLON, Bloomsburg, Pa.

CARNATION CUTTINGS.

We are in a position to supply strictly clean, healthy, well rooted Carnation Cuttings. All the novelties and standard sorts. Whatever your wants, let us quote prices before you place an order. We can interest you. Also on

Violet Plants

LADY CAMPBELL violets, sand rooted cuttings, $8 per 1000.

SWANLEY WHITE violets, sand rooted cuttings, $10 per 1000.

LADY CAMPBELL plants from 2-in. pots, $25 per 1000.

SWANLEY WHITE plants from 2-in. pots, $30 per 1000.

Remember that when it comes to

Wire Work

we can **Discount Any** list you ever saw, **Our Own** included. Write.

KENNICOTT BROS. CO.

WHOLESALE COMMISSION FLORISTS.

42-44 Randolph St., Chicago

It is not much trouble to mention the AMERICAN FLORIST when corresponding with an advertiser.

HEADQUARTERS for EASTER PLANTS

BLOOMING EASTER WEEK

I have the largest stock in Philadelphia; 7 large houses and some hot beds, are crowded with them. Secure your supply by ordering now.

AZALEA INDICA

As I am agent for a large concern in Belgium and being a large importer of these choice Easter plants, I can sell you these direct st first hand and not through a middleman. Mme. Van der Cruyssen is a rare article this Easter. I was fortunate enough to get all this variety in Belgium I wanted and can offer you plants at the following prices: 5-in. pots, 40c to 50c; 6-in. pots, very bushy and large, fine shape, 75c to $1.00; specimens 7 and 8-in. pots, $1.25 and $1.50 each; extra choice specimens, very large, can't be beat, 9 and 10 in. pots, $3 50, $4.00, $5.00 each. Other varieties of Azaleas, such as Bernard Andre Alba, (white), also other white, Princess of India, Prof. Wolters, and other varieties of my own selection, 6-in. pots, 50c, 60c, 75c, $1.00 each; larger plants from $1.25 to $1.50 each. Also 5-in. pots, 40c each.

Cineraria—I have an immense quantity, best colors, 5½ and 6-in. pots, $3.00 to $4.00 per doz.

Spiræa Compacta and Floribunda, perfect jewels, 5½ and 6-in. pots, $3.00 to $4.00 per doz

Hydrangea Otaksa, 6-in. pots, $3.00 to $4 00 per doz.; 7-in. pots, 60c, 75c and $1.00 each.

Begonia, Pres. Carnot, Metallica and other good varieties, 5½ and 6-in. pots, $3.00 to $4.00 per doz.

Begonia Vernon, very fine, red, large, 4-in. pots, $1.50 per doz. Other good mixed varieties, 4-in pots, $1.20 per doz.

Daisies, (white), Marguerite, 5½ and 6-in. pots, very bushy, $3.00 to $4.00 per doz.

Yellow Daisies, 5½ and 6-in. pots, $3 to $4 per doz.

Lilium Harrisii, raised from Henry F. Michell's selected 7-9 bulbs, ($100 per 1000) fine plants, 6-in. pots, from 5 to 10 buds to a plant at the rate of 10c per bud. No Lilies sold by themselves—other plants must accompany the order.

Dracæna Bruanti, 6-in. pots, 25 inches high, very fine, 60c.

Dracæna Indivisa, (imported), very large for decoration, 7-in. pots, 75c to $1.00 each.

Hyacinths, my own importation, raised from the finest named bulbs all colors, 4-in. pots, $10 a 100.

Tournesol Tulips, (double red and yellow striped), 3 in a pot, $1.50 per doz. pots. Belle Alliance, (single), scarlet striped, 3 in a pot, $1.75 a doz pots

Daffodils, (Von Sion), 3 in a 5-in. pot, $1.50 to $1.75 per doz. pots.

Azalea Mollis, 6-in. pots, 50c each.

Cash with order please. Money can be sent safely by postoffice or express money order or bank draft. All goods shipped at purchaser's risk.

A few of many references:

Henry F. Michell, 1018 Market St., Philadelphia.

Thos. Logan, head gardener to W. L. Elkins, Jr., Ashbourne, Pa.

Geo. Huster, head gardener of the Girard College, Philadelphia, Pa.

Wm. Kleinheinz, head gardener to P. A. B Widener, Esq., Ogontz, Pa.

State whether shall ship plants in pots, or not, to save express charges.

Buyers coming to Philadelpha are invited to visit my place and inspect stock.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Pot Plants,

1012 Ontario Street, Philadelphia, Pa.

Boston Ferns

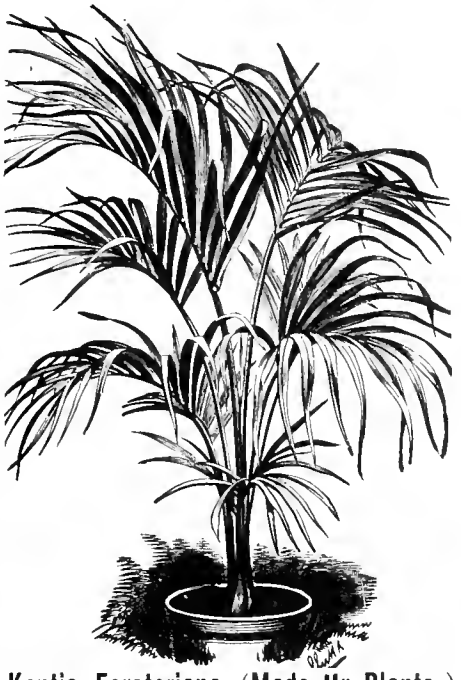
Fine, strong, young plants, $3.00 per 100; $27.50 per 1000.

Edwin Lonsdale, Wyndmoor, Chestnut Hill, Pa.

JOSEPH HEACOCK

OFFERS THE FOLLOWING PALMS

They are home-grown strong and healthy, free from insects and disease, and are of unusual good value at prices quoted.



Kentia Forsteriana (Made Up Plants.)
8-in. pot, 4 plants in pot, 36-in. high, each, $3.

ARECA LUTESCENS.

	Per doz.	Per 100	Per 1000
2-inch pot, 1 plant in pot, 10 to 12 inches high	$1.00	$ 5.00	$45.00
4 " " 3 plants " 15 "	3.00	25.00	
6 " " 3 " " 20 to 22 "	9.00	75.00	
6 " " 3 " " 24 to 26 "	12.00	100.00	
	Each.	Per doz.	
8 " " 3 " " 30 to 36 "	$2.50	$30.00	
10 " " 3 " " 42 to 45 "	5.00		

KENTIA BELMOREANA.

	Per doz.	Per 100	Per 1000
2½-inch pot, 3 to 4 leaves, 8 inches high	$1.50	$12.00	$100.00
3 " " 4 to 5 " 9 to 10 inches high	2.50	20.00	
3 " " 4 to 5 " 10 to 12 "	3.00	25.00	
4 " " 5 to 6 " 15 "	4.50	35.00	
4 " " 5 to 6 " 18 "	6.00	50.00	
	Each.	Per doz.	
6 " " 6 " 24 "	$1.25	$15.00	
6 " " 6 to 7 " 26 to 28 "	1.50	18.00	
8 " " 6 to 7 " 30 to 32 "	3.00	36.00	

KENTIA FORSTERIANA.

	Per doz.	Per 100	Per 1000
2½-inch pot, 4 leaves, 8 inches high	$1.50	$12.00	$100.00
3 " " 4 " 12 "	2.50	20.00	
4 " " 4 to 5 leaves, 15 "	4.50	35.00	
	Each.	Per doz.	
6 " " 5 to 6 " 30 "	$1.25	$15.00	
6 " " 6 " 28 to 32 "	1.50	18.00	
7 " " 6 to 7 " 30 to 36 "	2.00	24.00	
7 " " 6 " 36 to 42 "	2.50	30.00	
8 " " 7 " 42 "	3.00	36.00	

JOSEPH HEACOCK, Wyncote, Pa.

A FEW GOOD THINGS YOU WANT.

KENTIA BELMOREANA and FORSTERIANA, special price to reduce stock. 2¼-in., 8c; 3-in., 15c; 4-in. 25c; 5-in., 50c; 6-in., $1.00. 3, 4, 5-in **ARECA LUTESCENS,** 2 and 3 plants to a pot, same price. These are excellent lot of clean, cool grown plants.

BOSTON FERNS, 4c, 8c, 15c, 30c and 50c each.

DRACAENA INDIVISA, 3, 4, 5-in., 6c, 10c, 25c each.

CHINESE PRIMULA and CINERARIA fine plants, to close out, 3 and 4-in., 4c and 6c each

GLADIOLUS BULBS, good mixture, $1.00 per 100.

GERANIUMS, 2-in., Bonnat, double and single Grant, La Favorite, S. A. Nutt, Atkinson, Salleroi, $3.00 per 100; Poitevine, M. Barny, Kleber, John Doyle, Jaulin, Riccard, Mrs. E. G. Hill, Perkins, $4.00 per 100.

CARNATIONS, rooted cuttings, Scott, McGowan, Portia, $1.00 per 100; E. Crocker G. Lord, Marquis, $1.50 per 100; Prosperity, Lawson, Queen Louise, Floriana, $5.00 per 100; Kittatinny, white sport from Daybreak, $3.00 per 100.

ASPARAGUS SPRENGERI, 2-inch, $3.00 per 100; Plumosus, 3-inch, $8.00 per 100. Cash or C. O. D.

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

CANNAS Burbank, Henderson, Mme. Crozy, F. Vaughan, P. Marquant, L. E. Bally, A. Bouvier, J. C. Vaughan, Ezandale, Souv. de Antoine Crozy in variety, started, $2 50 per 100.

ALTERNANTHERAS P. Major, red, R. C., 60c, postpaid. Pot plants, red, yellow, pink, $2 00 per 100.

BOSTON FERN 2½-inch, 3c; 3-inch, 8c; 8-inch, $1.00.

Wittholdii, strong, 4-in., 25c; 5-in., 50c; 6-in., 75c. large bench plants for 10-in. pots, $1.00.

Begonias, flowering, in variety, 2½-in., 2½c.

Russelia Multiflora and Elegantissima, 2½-in. 4c.

Vinca Major, strong, fine runners, 2-in., 3c. Cash.

A. J. BALDWIN, NEWARK, O.

FAXON'S "WHITE HOUSE" PANSIES.

The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.

In Trade Packets at $1.00 each.

M. B. FAXON,

Lock Box 1528. BOSTON, MASS.

Correspondence solicited.

BARGAINS. READ THIS, FOR HERE IS WHAT YOU WANT AND WE WANT ROOM.

Geraniums, composed of S. A. Nutt, La Pilot, Richard Brett, Frances Perkins, Beaute Poitevine, Dble. Gen. Grant, Bruanti, Ruy Blas, Gloire de France, Centaureau, Alph. Riccard, Margaret de Leyas, Jas. Gaar, Wunder, Granville, La Favorite, Mme. Bruant, and several other varieties in 2¼ in. pots, also Rose Geraniums, and want shifting at once, at $2.50 per 100; $20.00 per 1000 Special prices in lots of 5000 or more. 500 at 1000 rate.

Coleus, in variety, 2¼-in. pots, $1 50 per 100; rooted cuttings 60c. per 100; $5.00 per 1000.

Verschaffeltii and **Queen,** 70c. per 100; $6.00 per 1000.

Anthemis Shower of Gold, R C., $1.50 per 10.

Ageratum, in variety, 2¼-in. pots, $2.00 per 100; rooted cuttings, 60c. per 100.

Fuchsias, in variety, 2¼-in pots, $3.00 per 100; rooted cuttings, $1.25 per 100.

Heliotrope, in variety, 2½-in. pots, $2.00 per 100; rooted cuttings, $1.00 per 100.

Salvia, in variety, 2½-in. pots, $2.00 per 100; rooted cuttings, 75c. per 100.

Var. Vincas, 2¼-in. pots, $2.00 per 100; rooted cuttings, fine, $1 00 per 100: 4-in. pots, $6 00 per 100.

Feverfew, from soil, $1.50 per 100.

English Ivy, from soil, $2.00 per 100.

Cash with the order.

J. E. FELTHOUSEN, Schenectady, N. Y.

Boston Ferns FOR EASTER We have the largest stock in the West in all sizes; also fine specimen plants. Send for sample order. Asparagus Plumosus and Sprengeri, Cinerarias, Geraniums, red, pink, white and salmon; also Rose Geraniums; Pelargoniums, Petunias, etc., etc. Write us you wants.

GEO. A. KUHL, PEKIN, ILL.

100,000 Pansies.

The Jeonings' Strain, extra fine plants, all transplanted, many are fringed and curled, strong plants, $4.00 per 1000, express; 75c per 100 mail. Large plants $1.00 per 100, by express only. Stock the finest. Grown in cool houses. Seed, $1.00 per pkt. Cash.

E. B. JENNINGS, Lock Box 254, Southport, Conn.
Grower of the Finest Pansies.

Please mention the American Florist when writing.

WE ARE HEADQUARTERS FOR

GERANIUM NOVELTIES: Thos. Meehan, semi-double dark pink; **Levi P. Morton,** semi-double maroon; **Dutchess of Orleans,** single oriole; **Ernest Kellway,** semi-double crimson; **J. J. Harrison,** semi-double scarlet, and **Snow Drift,** semi-double white: all winners. Extra strong rooted cuttings, $2.00 per 100; $20.00 per 1000.

STANDARDS: S. A Nutt, E. G. Hill, Beaute Poitevine, Frances Perkins, Alphonse Riccard, Mme. Bruant, Mme. Jaulin, Athlete, La Favorite, J M. Gaar, extra strong rooted cuttings, $1.75 per 100; $16.00 per 1000.

DOUBLE FRINGED PETUNIAS

Our superb collection consisting of twelve novelties selected from Henderson's and Dreer's latest sets. Extra Strong Rooted Cuttings, $1.00 per 100; $9.00 per 1000; $40 per 5000. Hendersnn's celebrated Sea Foam, $1.50 per 100. Send for our special Geranium List.

CASH WITH ORDER. SATISFACTION GUARANTEED.

The W. T. Buckley Plant Co., Springfield, Ill.

BEGONIA GLOIRE DE LORRAINE,

2¼-inch pots, $15.00 per 100.

Write for prices on large lots. Stock guaranteed absolutely free from disease.

THOMAS ROLAND, Nahant, Mass.

SPECIALTIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery,
CHRYSANTHEMUMS,
SMILAX, VIOLETS.

In Best Varieties

Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.

Please mention the American Florist when writing.

Los Angeles.

GOOD RAIN PUTS BRIGHT ASPECT ON BUSINESS PROSPECTS IN SOUTHERN CALIFORNIA.

Southern California has had a glorious rain and the soil is completely soaked. This condition has been anxiously awaited for several months and now that early spring is here it is too late for a severe frost to follow, though there is an abundance of snow on the higher mountains. The weather is still unsettled although we have had nearly five inches of rain within ten days. A few days of sunshine will produce an enormous quantity of flowers and start all vegetation into rapid growth.

Since the rain came business in the line of ornamental shrubbery and nursery stock has taken a boom and it is doubtful if the supply will equal the demand for many varieties. As an instance, since the rebuilding of the Raymond Hotel in South Pasadena, 25,000 trees, shrubs and plants have been used to ornament the grounds.

The Lenten season, which is carefully observed by many of our society people, has caused a notable falling off in trade, giving the store people a breathing spell which is very acceptable to them, but business is reported unusually good for this season.

The Redondo Floral Company, which in common with others suffered severely by the frost in December, is planning to erect several new greenhouses, consuming about 15,000 feet of glass. These will be used principally for carnations.

D. R. W.

MADISON, N. J.—L. M. Noe and Mrs. Noe are in Florida for a month's stay.

CORTLAND, N. Y.—L. D. C. Hopkins, L. N. Hopkins and H. S. Hopkins are the proprietors of the Hopkins Greenhouses. They are figuring on materially enlarging their plant and have placed an order for 6,650 boxes of 16x24 glass for the purpose.

ROBT. CRAIG & SON,
Roses, Palms
and Novelties in Decorative Plants,
Market and 49th Sts., Philadelphia, Pa.

AUGUST ROLKER & SONS
Book orders now for spring delivery.
Araucarias, Palms, Ficus, Roses, Lilies, Bay and Box Trees, General Nursery Stock.
WRITE FOR PRICES.
52 DEY STREET, NEW YORK.

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Our Illustrated and Descriptive Catalogue of Orchids is now ready and may be had upon application.
LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

A SPECIALTY Boston Ferns for Easter, $50. $25 and $20 per 100. Excellent Kentias, 6 in, 3 ft., $1.00 each. Asp. Plum Nanus, 4-in, $1 25 per doz. R. C. Coleus, mixed, 50c per 100; Ver. and G. B, 75c. per 100.
L. H. FOSTER, 45 King St, Dorchester, Mass.

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Strong plants, 2¼-in. pots.	Per 100
Prosperity	$4.00
Lorna	4.00
California Gold	2 50
Ethel Crocker	2.50
G. H. Crane	2.00
Joost	2.00
White Cloud	2.00

GERANIUMS.

Jean Viaud	5.00
Marquis de Castellaine	5.00
In variety, best bedding sorts	3.00
ROSE GERANIUMS, strong	2.50
CANNAS, all the standard varieties, strong roots	2 50
MOONFLOWER, Ipomœa Grandiflora	3 00
PRIMULA FORBESI	3 00
HELIOTROPES, six varieties	2.00
SELAGINELLA Emiliana	2 00
FUCHSIAS, in good assortment of varieties, 2½-in. pots	2.50

	Per 100
Areca Lutescens, 2½-in. pots, $30.00 per 1000	$4.00
Areca Lutescens, 3-in. pots	8.00
Areca Lutescens, 4-in. pots., 3 plants in a pot	20.00
Kentia Belmoreana, 2½-in. pots	7 00
Kentia Belmoreana, 3 in. pots	15 00
Latania Borbonica, 2½-in. pots	3.00
Latania Borbonica, 3-in. pot, $40 per 1000	5 00
Pandanus Utilis, 2½-in. pots	5.00
Pandanus Utilis, 4 in pots	15.00
Pandanus Veitchii, 4-in. pots, $6.00 per doz.	Per 100
ASPARAGUS PLUMOSUS, 2½-in.	$4.00
ASPARAGUS SPRENGERI, strong, 2½-in.	2 00
ASPARAGUS SPRENGERI, strong, 3-in.	3.00
SPIRAEAS, Nana Compacta, Astilboides, Floribunda and Japonica at	3.50
AZALEA MOLLIS, fine for Easter	3:.00
TUBEROUS ROOTED BEGONIAS, single, separate colors	3.00
TUBEROUS ROOTED BEGONIAS, double, separate colors	6 00
GLOXINIAS	4.00

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PAINESVILLE, OHIO.

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NOW READY FOR SHIPMENT.

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For list of varieties see AMERICAN FLORIST of Nov. 9. If wanted by mail add 15c per 100. Samples by mail 25c.

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The Largest and most Complete Stock of DAHLIAS in the World.

1902 DAHLIAS Admiral Schley, Eureka, Gold Standard, Black Bird, Pink Dandy, Leone, Profusion, Alba Superba, Gaillardia, Judah and Olympia. All sterling American varieties.

20th Century Collection of 1901 contains 14 superb new American dahlias.

Send for our up-to-date dahlia catalogue. Also special list of cut flower dahlias.

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VERBENA KING
Rooted Cuttings now ready
Express prepaid. 100 1000
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Daisies, white and yellow 1.00 8.00
Heliotrope, 12 var. 1.00 6.00
Smilax, strong plt 1.50
Salvias, 4 best vars. named, Rooted Cuttings 1.00 8.00
Big Boston and Plumosus in 4 inch pots, write.
That cash or C. O. D.
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"J. D. Blaele," single, pure wine red. A zonale of most brilliant and new coloring, a splendid bedder, producing an abundance of large trusses.
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Novelties of former years, assorted and labeled, at $6.00 per 100.

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AZALEAS, 10 to 12-in., 40 cents each; large plants, 50 cents. CYCLAMENS, 4-in., $8 per 100; CYCLAMENS, 5-in, $1.50 per dozen. CINERARIAS, 4-in., $8 per 100; CINERARIAS, 5-in, $1.50 per dozen. HARRISII LILY PLANTS, 10 cents per bud. OBCONICA PRIMROSES, 4-in., $1.00 per dozen. All the above are guaranteed right for Easter. PANSIES, large transplanted plants, 50c per 100; $3 per 1000.
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Dormant Roots, 1 to 3 eyes.

	Per 100	Per 1000
Africa	$6.00	
Allemania	2.50	$20.00
Alphonse Bouvier	3.00	
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Mixed, all colors	1.00	8.00

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16 fine varieties, 2½-inch pots	$3 00
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Alternanthera, strong, red and yellow, 50c per 100. **Coleus,** 25 sorts, 50c per 100. **Ageratum,** Princess Pauline, 50c per 100. **Salvia,** 4 sorts, 65c per 100. Single Salmon Geraniums, 50c per 100. 2-inch stock for cuttings, Coleus, 25 sorts, $1.00 per 100.

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ARECA LUTESCENS, per doz.—4-in., $3; 5-in. $5; 6-in., $9.
KENTIA BELMOREANA, per doz.—4-in., $4; 5-in., $9; 6-in., $18.
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THE WORLD'S BEST WHITE DAHLIA.

Novelties and Standard varieties. 18 yrs'. experience and have failed of no prize competed for.

See my catalogue before placing your order. Also fine field-grown Hollyhocks at $2.50 per 100. Cannas, Pæonias and Hardy Plants. Cheap mixtures are dear; get the best.

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CHRYSANTHEMUMS

are our SPECIALTY.
We also offer a complete list of

Carnations, Cannas, Pelargoniums,

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2, 3 or more eyes, Mme. Crozy, A. Bouvier, Phila., Crimson Bedder, M. Bouchaud, Queen Charlotte, P. Marquant, etc., $2.00 per 100; Duke of Marlborough, Black Prince, new, $3.00 per 100. Finest mixture of all colors, $1.00 per 100.

FOR EASTER! CINERARIAS, Benary & Cannell's Prize Strains, 3 in., $3.50 per 100. **STOCKS,** German dwarf, wall flower-leaved, blue, white, red, each kind, 2-in., $2.00 per 100. Cash please.

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60 finest named varieties, including our **NEW MAMMOTH WHITE, "MRS. McKINLEY."** The finest white verbena grown; perfectly healthy; free from disease. Rooted cuttings, 60c per 100; $5 00 per 1000. Plants, $2.50 per 100; $20.00 per 1000. Our list is the choice of millions of seedlings. Send for circular.

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Strong rooted cuttings, 50 cts. per 100, or $4.00 per 1000.

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Toronto.

TRADE EXCELLENT.—STOCK PLENTIFUL BUT PRICES HOLD WELL.—OFFICIAL PARTY VISITS DUNLOP.—PLACE IN FINE ARRAY.—SOCIETY MEETS.

Trade has braced up a little the past week, but is still erratic. Roses continue good and plentiful, and although the demand has fallen off somewhat, the prices are still well maintained. Bulbous stock keeps moving nicely. Violets are very plentiful and large quantities can be had at bargain prices. The bright days which we have experienced lately have given us a splendid outlook for Easter and though there is still the cry that lilies will be scarce, from the quantities I have seen around the different houses there will be plenty for all. Genistas, rhododendrons, lilacs, Crimson Ramblers, hybrid and moss roses are well advanced and if the weather is at all favorable all will be ready in good time.

While en route to Niagara Falls to welcome Prince Henry, the Countess of Minto and party honored J. H. Dunlop with a visit, intelligence of which had been telegraphed by Comptroller Guise. Her Excellency is well versed in horticulture and was much interested. The visit could not have been more opportune, as everything was in prime condition. The Countess of Grey, who was with the party, left an order for Prosperity, Mrs. Lawson, Governor Roosevelt, Olympia and some of the other newer carnations, which she will introduce into England in April.

The Toronto Horticultural Society held the first of its monthly meetings in St. George's Hall on March 4. The meeting was well attended and a very creditable exhibition of plants was made. Some nice orchids were shown by Geo. Mills. There was also on view a silver challenge cup which will be given at the carnation meeting for best vase of carnations.

St. Patrick's Day has created an extra demand for oxalis the last few years.

H. G. D.

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GALAX, green or bronze, 75c per 1000. Laurel festooning, 4c, 5c and 6c per yd. Once used, always used for decorating. SPHAGNUM MOSS, etc.

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WILD SMILAX. Case containing 50 pounds, $2.00. Daffodils and Jonquils per 100, $1.00; per 1000, $8.00.

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Choice Bronze and Green, medium size	$ .50
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Largest dealer on earth. Cash with first order.

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Dry powders all soluble in water. Composts cost less than ½c per gal. Correspondence invited.

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THE most effective combined Fungicide and Insecticide up to date. Try it. Price per quart, 75c; 1-2 gallon, $1.25; gallon, $2.00.

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USE
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Clean and harmless as **Fumigant** or **Spray**. Ask your seedsman for it or write to

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Block Letters, 1½ or 2-inch size, per 100, $2.00.
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Catalogue in the English Language.

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BUG KILLER and FERTILIZER. Three years of unprecedented success wherever introduced all over the United States has proved "BLACK DEATH" to be a cheap and absolute annihilator of all insects, bugs or beetles that prey on vegetation, foliage and flowers. See what Peter Reinberg said in this paper, Feb. 8. Other strong indorsements sent on receipt of postal card.
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Bales of 300 pounds, $1.50.
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Buffalo.

TRADE UNCERTAIN AND MOST STOCK IN OVERSUPPLY.—NOTES OF LOCAL INTEREST.

Trade is quiet, excepting for bargains offered by different stores to coax buyers. Funeral work has been fair but that, of course, is not steady business. Supply in all flowers is more than equal to the demand. Lilies and all bulbous stock, are plentiful, the only scarce flowers seeming to be Bride roses. Bridesmaids and others are in profusion. Fine carnations are coming in. The few fine days last week brought out flowers in abundance. On some roads the delays have been great, owing to the washouts, which interfered with both shipping and receiving stock.

We are grieved to announce the death of Mrs. Fred. Wise, wife of one of the firm of Wise Bros., East Aurora, which occurred last week. Among her friends in East Aurora she was very warmly esteemed.

S. B. Smiley has about arranged his loses and will start rebuilding at once.

Mr. and Mrs. W. F. Kasting have returned from Indianapolis and Chicago.

Visitor: J. A. Valentine, of the Park Floral Company, Denver, Col., for whom Phil. Scott works. W. A.

Washington.

BUSINESS CONTINUES FAIR DESPITE THE UNPLEASANT WEATHER.—NOTES OF INTEREST.

Trade is fairly good considering the unpleasant weather we have had. Roses, carnations, violets and sweet peas are coming in plentifully. J. R. Freeman made a fine crescent wreath on an easel, of cattleyas, dendrobiums, lily of the valley and Bridesmaid roses, for Prince Henry to place on the tomb of George Washington on his visit to Mount Vernon, February 28.

Senator Perkins, of California, gave a dinner at the Metropolitan Club March 1. The decorations were done by the American Rose Company, using exclusively Miss Alice Roosevelt rose.

John H. Ley has a fine lot of genistas in bloom and they seem to be in demand. P. G.

Used all over the United States.

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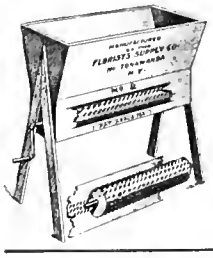

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1000	3 "	5.00	48	10 "	4.80
800	3½ "	5.80	24	11 "	3 60
500	4 "	4.50	24	12 "	4.80
320	5 "	4 51	12	14 "	4.80
144	6 "	3.16	6	16 "	4.50

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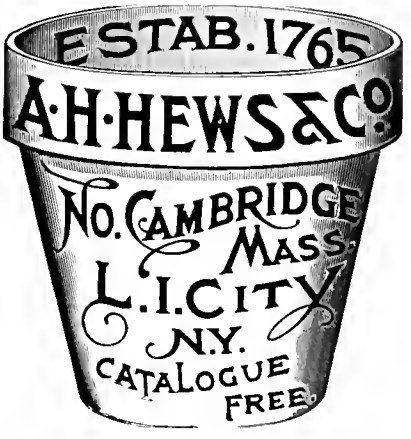

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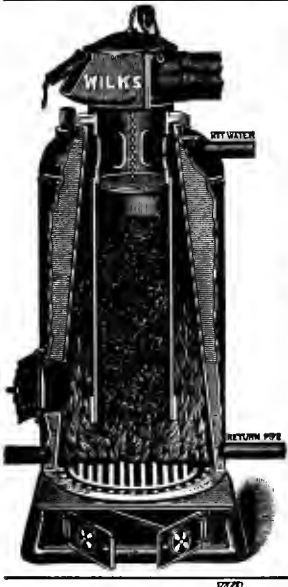

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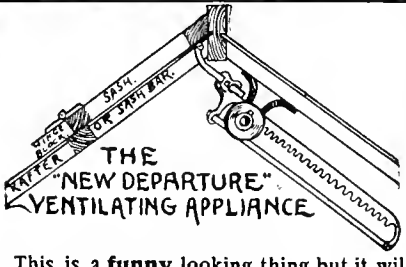

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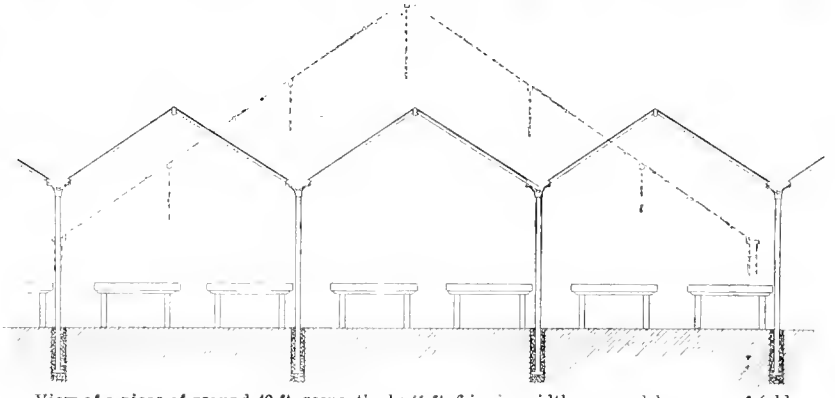

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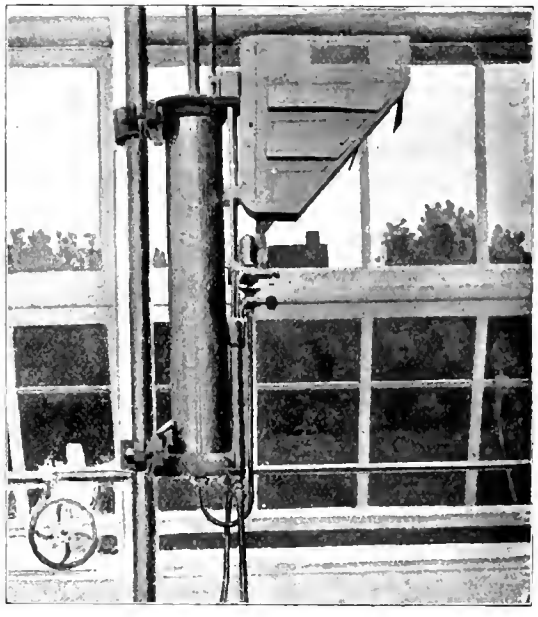

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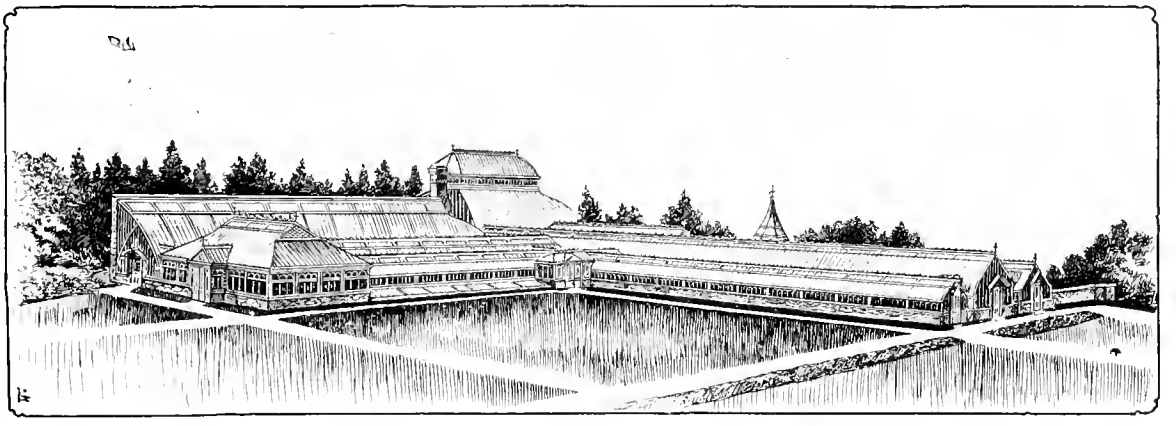

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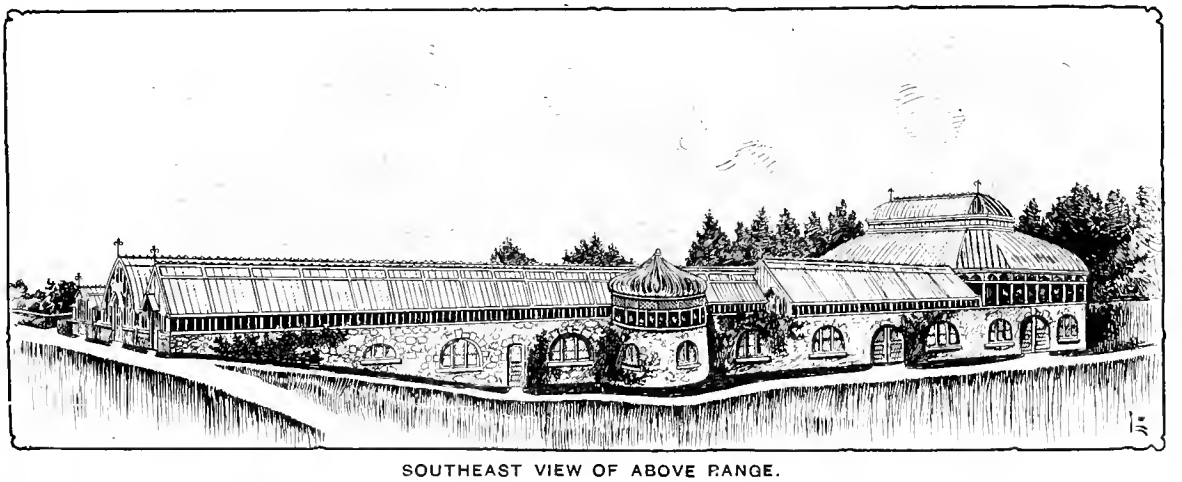

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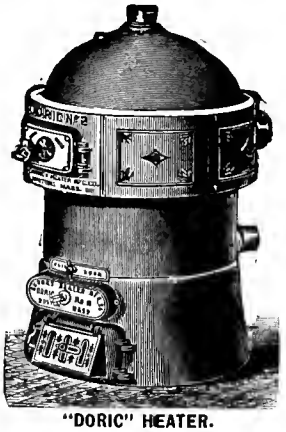

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THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

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THE AMERICAN FLORIST

SEVENTEENTH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—JOHN BURTON Philadelphia, Pa., presiden J. W. C. DEAKE, Asheville, N. C., vice-president, WM. J. STEWART, 79 Milk Street, Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The eighteenth annual meeting will be held at Asheville, N. C., August, 1902.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Brooklyn, N. Y., February, 1903. ALBERT M. HERR, Lancaster, Pa., secretary.

Wearing Off the Green.

We find the following seasonable lines in a contemporary:

Oh, reader dear, of course you hear
The news that's going round,
About the legend that's renewed
In every public ground:
Where'er you go in public parks
"Keep Off the Grass" is seen;
They are fining men and women
Just for wearing off the green.

That we are true to Ireland
This tribute doth appear:
We try to keep inviolate
Our Emerald veneer.
And some municipalities
So true to this have been:
They've sent men up for thirty days
For wearing off the green.

Easter Prospects.

Every indication points to a big Easter business, a volume of trade which, with favorable weather, promises to exceed previous records. As a matter of fact, the weather is from now on the most important factor in the matter of Easter business. With prosperity in the land and bright spring days the purchasers will throng the flower stores, and bright, warm days, too, will make a nice supply of stock, probably enough in most lines for all requirements, but it seems that there is very general complaint as to the lily crop and a prospect for a shortage. At the same time, however, it will be a mistake to put prices too high; it will be likely to deter buyers from ordering this item and Easter morning may find a surplus unsold after all.

THE AMERICAN ROSE SOCIETY.

THIRD ANNUAL MEETING, NEW YORK, MARCH 11-13, 1902.

As announced, the annual meeting of the American Rose Society was held at the Berkeley Lyceum Building on Wednesday afternoon, March 12, and the joint exhibition of this society and the Horticultural Section of the American Institute was held in the same building on Tuesday, Wednesday and Thursday. The hall was rather small for such a collection of flowers, there being about 5,000 cut roses, besides the other flowers and plants on exhibition, and as they were all of the extra and special grades, they required lots of room. Other than this the exhibition, the arrangements and the attendance were all that could be desired under the circumstances.

AMERICAN ROSE SOCIETY'S MEDAL.

The bulk of the flowers on display naturally were American Beauty, Bride and Bridesmaid roses. There was, however, a gratifying representation of such varieties as Papa Gontier, Bon Silene, Mme. Hoste, Perle des Jardins, Sunset, Sunrise and Mermet, besides vases of some new claimants for popular favor, and an impressive display of Ivory and Miss Alice Roosevelt, these last named varieties being shown by the introducers, the American Rose Company. In the regular open classes for twenty-five blooms each of specified varieties, the Dale Estate was first on Bride and Perle, second on Cusin, Bridesmaid and Morgan; H. Hentz, Jr., first on Beauty: J. R. Mitchell first on Bridesmaid, second on Bride; Benj. Dorrance first on Sunrise, second on Liberty, Hoste and Meteor; J. N. May first on Morgan, Hoste, Gontier and Bon Silene, second on Golden Gate; Robt. Simpson first on Golden Gate and Mermet, the latter being in the "any other variety" class; Stephen Mortenson first on Liberty; Peter Duff second on Gontier. The blooms of Liberty shown by Mortenson and Dorrance were especially fine.

In the class for growers having not more than 20,000 feet of glass devoted to rose growing, E. Waller was first on Beauty, H. T. Rohner on Bride and J. R. Mitchell on Bridesmaid. In the division limited to private gardeners and amateurs C. F. Bertanzel won out on Beauty and Perle, Geo. H. Hale on Bride, Bridesmaid and Mrs. Morgan, and Peter Duff on Gontier, and the premiums for specimen blooms were evenly divided as to number between Messrs. Bertanzel and Hale. There were no entries in the H. P. classes. In the plant group competition there were but two competitors, H. C. Steinhoff taking first for group of roses arranged for effect, for six roses in 8-inch pots and for specimen in tub, while for six Crimson Ramblers, Robert Scott & Son were first, with Steinhoff second.

In the special American Beauty competition, fifty blooms in a vase, A. Fahrenwold won the first prize, $50, the second going to H. Hentz, Jr., and a special to L. A. Noe. All of these were very fine. The Lord & Burnham challenge cup went with the first prize in this class. The special class for fifty blooms, any variety except Beauty, called out two magnificent entries of Liberty from A. Fahrenwold and B. Dorrance, who won out in the order named. The American Institute silver medal for the largest display of cut blooms, went to B. Dorrance, and a similar award for largest display of plants was awarded to H. C. Steinhoff. A special Institute prize was given the Dale Estate for Brides.

The special premiums of the American Rose Society were awarded as follows: The President's prize for three varieties of cut blooms, twenty-five each, to Peter Crowe. The Stoeckel prize for six varieties, twenty-five of each, to Benj. Dorrance. The Executive Committee prize

for roses in pots to H. C. Steinhoff. American Rose Company's prize for twenty-five Golden Gate to Robt. Simpson. Mrs. T. Newbold's prize for fifty Liberty to B. Dorrance. Clarence H. Mackay cup for twenty-five Beauty to C. F. Bertanzel. B. Dorrance prize for best collection of roses from distant exhibitor to the Dale Estate. A final certificate of merit was given to B. Dorrance for Rose Sara Nesbit, and H. C. Geiger for Queen of Edgely, and the American Rose Society silver medal to Benj. Durfee for Ivory.

Rose Gold of Ophir shown by F. Lundberg made a good impression, as did also Peter Henderson & Company's new rose, Mrs. Theo. Roosevelt. Bessie Brown was not much admired, the color being too undecided. Helen Gould (Balduin) came in on the second day from Waban Conservatories and attracted much attention. In carnations, Adonis from Robt. Craig & Son, Mrs. Potter Palmer from Chicago Carnation Co., Enchantress from Peter Fisher and a white sport from Lawson shown by C. H. Allen were noted, also a collection of seedlings from A. J. Wengerter. Lager & Hurrell had a group of fine orchids, G. T. Schuneman a nice display of violets, W. A. Manda a dish of Cherokee roses and J. N. May a vase of mammoth mignonette.

The joint session of the American Rose Society, American Institute and Horticultural Society of New York convened in the theatre of the Berkeley Lyceum at three o'clock on Wednesday afternoon. Dr. F. M. Hexamer called for order and introduced Dr. Murphy, president of the American Institute, who, on behalf of his association, pressed a sincere welcome upon the visitors and accorded to the rose society high praise for its aims and what it has already accomplished. Robert Craig was scheduled to reply, but in his absence Benjamin Dorrance responded on behalf of the rose society, in words of appreciation, and made a most eloquent little speech. Geo. T. Powell spoke for the Horticultural Society of New York, outlining its purposes, which are to collect and diffuse information and promote a taste for trees, plants and flowers. He said his society is in full sympathy with the rose society and predicted that the time is coming when New York will be one of the most beautiful cities in the world. Miss Harppam recited "The Rose" and Dr. Britton spoke briefly regarding the wild roses of America, S. B. Parsons, who was scheduled to speak on old time roses, being detained by illness. Dr. Britton said that there are twenty kinds indigenous and four others naturalized. He described their habit and praised their attractions of color simplicity and wealth of flower. He referred to the movement to discourage indiscriminate picking of wild flowers in woodlands adjacent to cities and hopes to see people learn moderation and not exterminate flowers. Miss Busing sang and then Dr. R. Huey read his essay on the "Best Garden Roses," following which John N. May read the paper prepared by E. G. Hill.

The Misses Mabelle and Palmiter sang and the joint session concluded with Cornelius Van Brunt's beautiful color slides, adjournment being taken for the annual meeting of the rose society.

President F. R. Newbold being ill, ex-President Benjamin Dorrance presided at the annual business session of the American Rose Society. President Newbold's address was distributed and the secretary's minutes and treasurer's reports were read. Secretary Barron distributed the bulletin on diseases of the rose. The secretary's report referred to the unsatisfactory financial outcome of the Waldorf-Astoria show last year. The active membership list was stated to be 155, including thirty-six life members. Two deaths were reported as having occurred during the year, those of Edmund M. Wood and J. M. Goode. It was found impracticable to carry out the plans regarding last summer's exhibition at Newport, and the secretary recommended that the summer meeting would better take the form of visiting some established show, with credentials from the rose society to confer certificates and award medals under specified rules. Secretary Barron then read Dr. Van Fleet's paper on hybrid rose stocks.

In the discussion which followed, Robert Simpson told of experiments with various stocks and said that he had found none to compare with Manetti

EMIL BUETTNER.
Vice-President-elect American Rose Society.

and that Rosa setigera was the worst of all. He found it inclined to sucker and said that while it might be alright for outdoor planting, it is useless under glass. A complimentary letter was read from Spencer Trask regarding the circular on plant diseases and expressing a willingness to contribute medals or otherwise assist the society. The offer was referred to the executive committee.

A committee was appointed to prepare suitable resolutions to be spread on the minutes as testimony of the esteem in which the deceased members were held. Then followed a brief discussion of the president's address and the matter of the selection of the next place of meeting was referred to the executive committee with power to act.

It was the sense of the meeting that the society should go elsewhere next year, preferably to Chicago. The election of officers followed, President F. R. Newbold being re-elected. Emil Buettner, of Park Ridge, Ill., was chosen vice-president and Secretary Barron and Treasurer May were re-elected. E. G. Hill was elected a member of the executive committee to serve one year and F. R. Mathison, of Waltham, Mass., and John Good, of Springfield, Ohio, were elected to the three year term. All the elections were unanimous. The proposed changes in the by-laws were adopted and the tenure of office begins with August instead of January hereafter.

Robert Simpson offered a resolution placing the society's seal of disapprobation upon the commercial theft of new varieties of plants and urging that the national government enact amendments to present patent laws to cover plants as well as other articles. The resolution was adopted and Benj. Durfee, Patrick O'Mara, Alex. Wallace, John N. May and S. T. Betts were appointed as a committee to further the matter.

A vote of thanks was given to the American Institute and its officers for their courtesy and adjournment was taken at 7:30 p. m.

Among the visitors were A. B. Scott, John Burton, H. C. Geiger, Robt. Kilt, J. L. Dillon and W. Craig, from Philadelphia and vicinity; M. H. Norton, P. Welch, F. R. Mathison and W. W. Edgar, from Boston; W. F. Gude, Washington; Ed. Dale and Chas. Tidy, Toronto; J. B. Keller, Rochester; E. Lundberg, Lenox, Mass.; Benj. Durfee, Washington; Peter Crowe, Utica, and A. Dimmock, London.

President F. R. Newbold's Address.

For the third year in succession the American Rose Society gathers for its annual convention in the city of New York. In the three years that have passed since our organization was completed a large amount of missionary work has been done, and it may be stated as an accepted fact that the American Rose Society is well established. Already it has had an influence on the rose industry of the country, and has been instrumental in drawing public attention to some very valuable new varieties in a way that could not have been done by the individual without incurring great expense in comparison.

But what the society has accomplished so far is little in comparison with what it should do and could do. In the last three years the chief energy of the society has been devoted toward the successful exploitation of the rose at the annual exhibition. Has not the time now arrived when the society should resolve to undertake an active campaign for the betterment of the rose as a flower, and, exercising a watchful eye over all that pertains to the production, introduction, and distribution of the rose, so extend its sphere of work as to embrace all matters of interest to rose growers whether commercial or amateur?

The American Rose Society must be more than an agency for fostering competitive exhibitions, it must be the central authority on all that concerns the rose, and to that end steps should be taken that the work runs on at all times. Perhaps this can be best accomplished by means of standing committees.

There has been an almost unprecedented increase in the introduction of new varieties, but at present the rose society does not receive any official record of such. Not only in this country but also in Europe this activity has been noted. The year's results should be brought to the notice of this meeting in the form of a report from a standing committee on new roses, such a report to embrace the names of all varieties recorded in the year and should also include notes on synonymy and nomenclature, and so far as possible comments

upon the possibilities of the variety whether for commercial or hardy garden use. This work conscientiously done would add materially to the general utility of the American Rose Society, increasing as the years rolled by.

After the lapse of a year the issue of the "bulletin" of the society has been resumed, and a very exhaustive treatise on the diseases of the rose is in the hands of the members. Our official bulletin should become a thorough record of rose activity in America, and in it could be recorded the annual reports of the standing committees so far as they were of public interest. The question of publication is another matter for a committee.

Other standing committees on exhibition and one for the preparation and arrangement of the plans for the annual meeting would assist the executive committee, and enable them to better direct the policy of the society as a national body.

The executive committee might assume the functions of an expert committee to sit in judgment on novelties that may be brought before it, on dates other than the annual meeting of the society. In this way hardy roses could be examined and judged. Under Article 2 of the constitution, this meeting could authorize some such course. Some arrangement for interim examination of new roses is very necessary.

The operations of the society might be made more national, perhaps, through the medium of the honorary vice-presidents. These gentlemen should be selected each year as representatives in the larger centers of the country, and they could carry on the work of the society in their respective territories. The appointments are in the hands of your executive committee, and the body elected to-day should take action.

The American Rose Society gratefully acknowledges the services rendered to the rose by the present co-operation of the American Institute of the city of New York, through whose courtesy we are now gathered in this fine theatre. The present association inaugurates a policy that the society may well consider seriously, namely, the joining of forces with a local horticultural society. The propriety of a national organization undertaking the functions of an exhibition association, which it has done before (and at considerable financial loss to those members of your executive committee who were responsible) has been questioned.

To the Society of American Florists, also, our thanks are due for placing at our disposal two medals, which are to be awarded to novelties of American origin only. The advisability of accrediting a special delegate to the S. A. F. meeting might be considered.

During the past year, too, your committee has adopted a new course in offering a silver medal of the society for award by a local society where roses are a feature of the show. If this practice were extended the influence of this society would be felt in many places, and the interest of the rose, especially as a garden plant, would be increased over a larger area than could otherwise be done. In this connection a scheme for affiliation of local organizations giving attention to the rose could be elaborated and provision made for the award of the society medals under society rules and society judges. This in time might be further developed into a system of local committees, acting for and with the authority of the national society.

WREATH PLACED ON THE TOMB OF WASHINGTON BY PRINCE HENRY OF PRUSSIA
(Artist, J. R. Freeman, Washington, D. C.)

The authority of the society should be strengthened by the appointment of a board of experts, to whom questions may be referred; on this board should be a pathologist, an entomologist and a botanist, and the last named could give attention to the native roses which may yet yield results to the hybridist. One of the objects for which we are established is stated by our constitution to be: "To foster, stimulate and increase the production of improved varieties." Let us see to it that we do that which we have set about.

These suggestions are offered to the members for such action as they may see fit to take. Your executive committee is the willing force to carry out your desires, but the membership here assembled should set the course.

You are asked to vote on two amendments to our by-laws, due notice of which has been given in accordance with our rules; and it might be well, too, for this meeting to formally accept the present scale of points or such amended scales as it may decide upon. The constitution requires that the society should formally adopt a scale.

Whatever may be the course in future, we can rest satisfied that New York has fairly launched a society which, in the hands of energetic and capable officers, will be of untold influence in the horticulture of the future. May other cities do as well for the American Rose Society as has the Empire City.

Hybrid Stocks for Rose Propagation.

BY DR. W. VAN FLEET, LITTLE SILVER, N. J.

But little effort has been made to ascertain the rose stocks best suited for American use. Rose growers here mainly propagate cuttings, and "own root" roses of all varieties that may be increased in that manner have, until very lately, been much preferred for culture both under glass and in the open. Recent successful commercial trials, however, have shown the advantage of grafting certain forcing roses on stocks resistent to the eel worm, as well as to supply a root system of greater vigor than is inherent in the variety wanted. Then, too, a considerable number of the most desirable hardy roses propagate very sparingly, if at all, by cuttings. The increase by root cuttings and clump division is slow and precarious, so that budding and grafting on congenial stocks remain the only practicable methods.

We have hitherto accepted the stocks most approved by European growers as

without question the most available, and for greenhouse commercial work the Manetti rose, of hybrid China parentage, may always be most useful; but for outside planting both Manetti and dog brier have proven dismal failures under our climatic conditions.

The latter does not thrive at all, and the former, while vigorous enough, suckers badly and ceases growing too early after dry summers to encourage late blooms in those varieties disposed to autumnal flowering.

Manetti roots are very fibrous, forming a perfect mat in rich, moist soil; but they run shallow and are quickly affected by drought. They drink greedily soluble nourishment, but seem unable to extract much plant food from dry soil. The common experience with roses worked on Manetti is that they are troublesome and short-lived, unless so planted as eventually to throw out an adequate root system of their own. The great majority of the imported budded roses are discarded after blooming a season or two, and the remaining plants seldom develop into the strong, vigorous specimens we have a right to expect.

These defects in European stocks have been long known, though but little effort has been made to find more useful substitutes. One nursery in the west claimed some years ago to use Mme. Plantier, a vigorous and very hardy rose of much-mixed parentage, but of the hybrid China type, with great success; but we have not heard much about it since. Our native prairie rose, Rosa setigera, has been used in an experimental way by the writer and others with much success, both as a stock for budding and for root grafting. It is exceedingly hardy, the foliage is resistent to most diseases, and the root system is strong and penetrates the soil deeply. Buds or grafts unite readily, and the union seems very permanent, but time has not tested the latter claim. All varieties tried grow well on this stock, which may be easily increased by seeds or cuttings. It is of a climbing habit, and the canes are not suitable for high budding for tree or standard effects. The roots seldom sucker, all the new growth starting from the crown.

For high budding we have found nothing better than the Penzance hybrid sweet briers, Rose Bradwardine, Amy Robsart and Anne of Gierstein. They grow here more upright and vigorous than the type species, and are not subject to sun-scald like standard Manetti Other hybrids of the sweet brier, with General Jacqueminot, and with various hybrid perpetuals, of our own raising, have the same characteristics. There is no suckering, and they are easily increased by cuttings.

Lord Penzance and other sweet brier hybrids containing blood of the Persian Yellow class should be avoided for this purpose. The canes are more slender, and propagation is less certain.

The most suitable stocks for low or dwarf budding and root grafting appear to be hybrids of Rosa multiflora and R. Luciæ, more widely known as R. Wichuraiana. Seedlings of Clothilde Soupert crossed with Crimson Rambler furnish the best example of the former class.

Some are thornless, or nearly so, strong, rapid growers and deep rooters. They work very easily, and the buds or grafts soon make a firm union. They can be increased by cuttings of green and hard wood with the greatest facility.

Crosses between Crimson Rambler and R. Wichuraiana, to use the name best known, are still more vigorous but less upright in habit and quite thorny. They strike readily from cuttings, and also root as freely from the tips as a dewberry, when allowed to trail. The roots penetrate the soil deeply, and the bark works with the greatest ease when ready for budding.

Crosses between R. Wichuraiana and China roses sometimes possess great vigor. One plant two years from the seed, planted in poor, gravelly upland threw a trailing cane twenty-six feet long last summer. They all seem very easy of propagation and are more upright and less thorny than R. Wichuraiana itself, which trails as flat as a melon vine.

The roots of R. Wichuraiana and its hybrids go deep down in the soil, and if there is any moisture or fertility they will find it. They will thrive on the most barren slope when established and the plants look as if they would endure for all time. The long, smooth roots are admirable for grafting, and they can be worked as easily and certainly as apple roots if good wood is fitted to them. The grafts may be tied with twine or lightly waxed and packed in damp moss, and kept rather warm until union is effected.

WILLIAM CRAWFORD BARRY.
(See page 238.)

Neither Rosa multiflora nor R. Wichuraiana hybrids sucker, but buds start freely from the crown, which should be set rather deeply in budded plants. There is no trouble with suckering from the root grafts. Plants of the above hybrids grown from cuttings of good sized wood are very manageable and would seem to preferable to Manetti for most purposes.

R. multiflora seedlings are being used to some extent by commercial rose growers, and they seem to be growing in favor; but we think hybrids of the Rambler series would be more satisfactory. Helene, a very vigorous and almost thornless seedling of Crimson Rambler, is now in commerce, and looks as if it would answer the purpose admirably, though we have not tried it.

While rather off the subject the writer would mention that Perle des Jardins, budded on an established plant of the Cherokee rose, Rosa lævigata, is giving splendid blooms of almost exhibition quality, in a cold, damp house where five years' effort with potted Perles on own roots and Manetti only resulted in a chance "bullhead" once or twice a year. Further trials will be made with teas and hybrid teas on this stock.

There is a growing conviction among propagators that the stock is as important as the scion, and grand commercial results have come from the proper selection of resistent and congenial stocks in the culture of grapes, plums and other fruits. The breeding of stocks by hybridization and selection may become as essential as the production of new varieties, if American rose culture is ever to reach its proper development in the horticultural world. The conclusions above detailed are based on very limited experimentation, and are offered only to stimulate further research in that direction.

New Roses.

BY E. G. HILL, RICHMOND, IND.

The subject assigned to me is an interesting as well as a problematic one with which to deal from the standpoint of the American rose grower.

Unconsciously, perhaps, every new candidate is measured and gauged by one of three sorts, American Beauty, Bride or Bridesmaid. Of each new comer it is asked, "Is it as good as Bride or Bridesmaid or Beauty?"

While we shall, in the future, undoubtedly have as fine sorts in varying colors, it is not my good fortune to chronicle the advent of any such in this paper, though attempts at producing them are proceeding in many places and we hope that the coveted yellow or red Bridesmaid may soon make its appearance.

It is announced that there are to be added to our list this coming year a yellow and a pink Kaiserin; we shall be glad to welcome them and hope that they may be distinct enough to hold their places. One or two recent sorts, similarly described, have lacked the necessary qualities to give them permanence.

Bessie Brown has many points that go to make up a valuable rose. While it is probably the grandest variety of Carnot color, it sometimes comes with crimped petals, which somewhat detracts from its beauty.

Mrs. Mawley is certainly a fine tea rose of enormous size and produces a very large quantity of buds, but with us it often comes soft in texture and brings too many short stems.

The English gold medal rose, Mildred Grant, is most beautiful and, whilst perhaps it has too great an infusion of the H. P. blood in its veins to force in winter, it should prove a fine rose for pot and garden culture.

Lady Battersea is a lovely cherry crimson colored tea from Mr. George Paul. This we hoped would prove a valuable forcing variety, but regret to say that it refuses to move into growth during three of the principal winter months. We had hoped for better things from it.

Mrs. Oliver Ames should prove of value wherever Mme. Cusin prospers. It is a very fine shipping variety and wonderfully productive as seen growing at Mr. May's place. It is a charming color and its delicate shadings lend beauty to a cluster of the variety.

All those who succeed with Golden Gate will want Ivory. It is an ideal forcing rose and will doubtless secure a place for itself alongside of the Bride, which is saying a great deal. It is very prolific and of good constitution, and the quantity of flowers produced will commend it. Its sparsity of foliage is held against it by some, but the same objection holds against Golden Gate.

AMERICAN BEAUTY ROSE HOUSE OF T. W. LYDECKER, ENGLEWOOD, N. J.

Duchess of Portland, Lady Beauclerc, Mamie Boadicea, Mrs. R B. Cant. These charming British roses we have seen bearing their beautiful flowers, but whether they will force in winter is questionable. However, they are each and everyone charmingly beautiful and will doubtless supplant many of the hybrid perpetuals which are now grown in our gardens.

No more finely shaped flowers than the above varieties produce can be found in any class of rose, and among their chief merits are large size and continuity of bloom.

Out of over eighty varieties imported during the last eighteen months the following commend themselves as being worthy of growing: Prince de Bulgaria, a fine salmon-tinted hybrid; Andre Rafly, in the way of Prince Camille de Rohan, but freer in bloom; Mme. J. Favre (H. T.); Duc de Mortemart (H. T.); Miss Agnes C. Sherman (tea); Pharisaer (H. T.); Mina Barbanson; La Tosca (H. T.); Mlle. Viger (H. T.): Marquis de Querhoent (tea), a promising sort; Mme. E. Perrin (H. T.); Franco-Russe, a fine apricot yellow tea.

I think the above named will surely prove interesting and worthy additions to the garden, or for growing in pots.

We hope another year to chronicle the advent of some new American seedling roses, but they had best be exhibited ere much is said concerning them.

The Best Garden Roses.

BY DR. R. HUEY.

Climatic conditions must necessarily modify the selection of a list of the best garden roses. The personal experience of the writer is confined to the vicinity of Philadelphia, and what is here noted will apply especially to that locality, where the temperature rarely falls below 10° Fah. A variation of a few degrees is of no consequence in the cultivation of the hybrid perpetual class. But with teas, hybrid teas, noisettes and Bourbons, this variation frequently means success or failure, as few of these varieties will endure long-continued exposure to low temperatures.

In the portions of the United States where the winters are severe, the most popular class is the hybrid perpetual, as this is the only one able to resist extremely low temperatures without protection; but wherever the winters are moderately mild, as in eastern New York, New Jersey and Pennsylvania, the hybrid teas are becoming deservedly popular, as they live out of doors all winter and bloom all summer.

I believe that the rose of the near future is the hybrid tea class, for the roses of this cross in cultivation have given and are giving great satisfaction to the cultivators, especially to amateurs who are growing th m as garden roses and who can certainly cut from a moderate collection a vase of these roses every day from May until November.

It is to be noted, however, that all hybrid teas are not continuous bloomers; for instance, the beautiful Gloire Lyonnaise and glorious Her Majesty, which should be listed in this class, as it has tea blood, its parentage being Mabel Morrison, crossed with Canary tea; this rose is successfully grown as far south as Florida.

HYBRID PERPETUAL ROSES.

Alfred Colomb,	James D. Paul.
Alfred K. Williams,	Jeanne Dickson,
Annie Wood,	John Hopper,
Baroness Rothschild,	Lady Helen Stewart,
Captain Hayward,	Mabel Morrison,
Caronne d'Arden,	Mme. Gabriel Luizet
Charles Lefebvre,	Magna Charta,
Clio,	Margaret Dickson,
Countess of Oxford,	Marie Baumann,
Dinsmore,	Marie Verdier,
Dr. Andry,	Merveille de Lyon,
Duke of Edinburgh,	Mrs. John Laing,
Duke of Teck,	Mrs. Sharman Crawford,
Dupuy Jamain,	Paul Neyron
Etienne Levet,	Pride of Waltham,
Eugenie Verdier,	Prince Arthur,
Fisher Holmes,	Prince Camille de Rohan,
Francois Michelon,	Rosslyn,
Gen. Jacqueminot,	Rev. J. B. M. Camm,
Giant of Battles,	S. M. Rodocanachi
Heinrich Schultheis,	Ulrich Brunner,
James Brownlow,	White Baroness,
Xavier Olibo.	

HYBRID TEAS: CONTINUOUS ROSES.

Antoine Rivoire,	Kaiserin A. Victoria,
Augustine Guinoisseau,	Killarney,
Balduin,	Lady Clanmorris,
Bessie Brown,	La France,
Captain Christy,	Miss E. Richardson,
Caroline Testout,	Mrs. Grant (B. Siebrecht),
Duchess of Albany,	Reine M. Henriette,
Gladys Harkness,	Souv. President Carnot,
Gruss an Teplitz,	Souv. Mme E. Verdier,
Viscountess Folkestone.	

MOSS ROSES.

Comtesse de Murinais.	Crimson Globe,
Laneii,	Blanche Moreau,
Princess Adelaide (the old pink).	

CLIMBING ROSES.

Crimson Rambler,	Celine Forestier.
Cheshunt Hybrid,	Reine M. Henriette,
Gloire de Dijon,	Microphyllæ, pink and white.

The finest climbing rose in cultivation for this climate is undoubtedly Reine Marie Henriette. Budded it makes a luxuriant growth of several canes ten or twelve feet long, and blooms continuously from May until hard freezing weather sets in. The color is a very good

BRIDE ROSE HOUSE OF T. W. LYDECKER, ENGLEWOOD, N. J.

cherry red, buds long and pointed, opening up rather loose, with delightful tea fragrance. This is altogether a charming and satisfactory rose.

HYBRID SWEET BRIERS.

There are sixteen of the Lord Penzance hybrid sweet briers, all worthy of a place in a large collection. Green Mantle is especially attractive.

HYBRID WICHURAIANA.

Only two are known to the writer, but they are a very promising class. Jersey Queen and Gardenia are good, the latter especially.

All the roses named will live out in this climate without much protection. A top dressing of three inches of well decomposed manure and in extreme cases an additional covering of leaves held in place by evergreen boughs or corn stalks, will winter nearly all safely. But in order to increase the collection by adding the tea class, provision must be made for giving these additional protection.

A charming effect may be obtained by planting in a bed six feet in width, the rows one foot from the edge and two feet apart, and the bed of any desired length, or any multiple of three feet. A sectional frame made from tongued and grooved white pine fencing, two and a half feet in height at the back and, two feet in front facing east or southeast, and fastened together with hooks and eyes or screws, the whole covered with ordinary cold frame sash (3x6 feet), will preserve the tender varieties through a severe winter. The sash should be freely opened when the temperature is above 30°, and air admitted during the day when it is 10° or 15° lower. Always close before sunset and open as soon as the sun shines each morning. Opening the sash to keep the plants cool and prevent growth is just as essential as covering to protect from cold, if abundance of flowers is desired. A few days' neglect in opening the sash when the temperature is above 30° will destroy most of the buds for the coming June, as they will be forced out, and one cold night will kill them. Protect from rains or snows and do not water. Sufficient moisture reaches the roots from the outside to keep the plants in a healthy condition.

The writer has a number of teas that have been grown successfully in such a bed for many years. They give hundreds of fine blooms from May until November, and remain so vigorous that many of the new shoots are half an inch in diameter.

TEA SCENTED ROSES.

Alphonse Karr,	Madame Lambard.
Comtesse Riza du Parc,	Maman Cochet,
Duchesse de Brabant.	Marie Van Houtte,
Etoile de Lyon,	Papa Gontier,
Francesca Kruger	Safrano,
Hon. Edith Gifford,	Souvenir d'un Ami.
Isabella Sprunt,	The Queen,
White Maman Cochet.	

The foregoing lists are the result of some twenty-five years of careful observation and are the selection from several hundred different kinds, many of which have been discarded as worthless. It is not to be supposed that these lists include all the desirable roses for this climate. There must be many good roses that will do well under favorable conditions, of which the writer has no personal knowledge, but each one named above has been thoroughly tested and found worthy of cultivation.

Much of the charm of growing roses is derived from the accurate knowledge of each variety by name; yet few amateurs ever accomplish this, chiefly because the labels have been lost or misplaced and not infrequently a plant becomes known to the cultivator by a name belonging to a neighboring specimen, whose label has been misplaced and replaced on the wrong plant.

To obviate this a record should be made in a book kept for the purpose, with a chart for each bed. This should be done as soon as the plants have been set out, before the labels become detached.

HOUSE OF LIBERTY ROSE GROWN BY ERNST ASMUS, WEST HOBOKEN, N. J.

I would urge upon each member of this society a more thorough familiarity with the name, habits and appearance of every rose he cultivates, that he may be able to assist beginners, who find it very difficult to obtain accurate information of this sort. How many gardeners can tell us correctly the name of a rose with which we are unfamiliar and which we would like to procure? If we are going to encourage the cultivation of the rose (and that is the purpose of this society) we must be able to give each other much more accurate and truthful information than can be obtained from the dealers' catalogues.

I would also suggest that each member of the society report to the secretary yearly, the name, habit of growth, peculiarities and hardiness of each new variety tested during the year, and that these be published in the bulletin.

William C. Barry.

Eminent among the American horticulturists of to-day stands William Crawford Barry, of Rochester, N. Y.; his life has been devoted to the work and few men have succeeded in mastering so thoroughly all the many branches of the profession. In young manhood he was sent to Europe to finish his education. Among other things he acquired the fluent use of both French and German. Returning home, Mr. Barry took up the details of the work in the great nursery with which he has been since identified and mastered the minutæ of each department, one by one. He knows his business from the bottom up. He was admitted to partnership in the firm of Ellwanger & Barry in 1870. While there is no plant, tree or shrub in the wonderful collection on the grounds with which he is not thoroughly familiar, roses have received his particular attention for many years. Mr. Barry is in the prime of life and his energies have found play in many enterprises outside of the nursery business. A splendid presiding officer, it was but natural that he should become president of the Western New York Horticultural Society, a post he has held for a dozen years. He is also president of the Eastern Nurserymen's Association and was a prime mover in the reorganization of the American Rose Society, becoming its first president. Mr. Barry was a member of the board of control of the New York State Experiment Station, and for three years its president. He has been for eight years a member of the Rochester Park Commission and has found the time for important business connections in his city, being a member of the Board of Trustees of the Rochester Chamber of Commerce, vice-president of the Flour City National Bank and of the Rochester Trust and Safe Deposit Company, also a director of the Rochester Electric Railroad Company, and the Rochester and Suburban Railroad Company. He is now treasurer of the Ellwanger & Barry Company, and of the Ellwanger & Barry Realty Co. While he has but once held public office, having been elected supervisor in 1873, his name has frequently been mentioned for the position of Mayor of Rochester.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

The E. G. Hill Company, Richmond, Ind., registers Carnation Seth Low; color bright scarlet, growth robust, free bloomer, stems stiff and strong, calyx good. WM. J. STEWART, Sec'y.

A Lifelong Friend.

ED. AM. FLORIST:—Enclosed is another dollar. Certainly your paper cannot be spared on this place. It has been a regular visitor at my establishment ever since the paper was started and it will stay with me until I am able to retire, and then I will have still more time to read it.

Newark, N. J. JOHN G. MULLER.

NEW ROSE MISS ALICE ROOSEVELT.

LORRAINE BEGONIA TURNFORD HALL.

THE LIBERTY ROSE.

JNO. N. MAY, SUMMIT, N. J.

The Liberty rose with us is a first-class fizzle.

GEORGE & ALLAN, CINCINNATI, O.

We have only one plant of Liberty and that is one too many, according to our idea of it. Our neighbors grow them and they feel awfully sore about it. Probably our soil does not suit them, or we may not know the way to grow them in this district. For an experiment we planted one Liberty, one Beauty, one Meteor, one Bride, one Bridesmaid and one Perle at the end of our Bride and Bridesmaid house. All did well with the exception of the Liberty, and that's about the size of a good 3-inch pot plant at present.

BASSETT & WASHBURN, CHICAGO.

We find Liberty to be in great demand and in order to carry a complete stock of flowers a grower must plant it. Our experience with it this season is that we can produce more and better blooms than a year ago and we think as the needs of the plant become better known that Liberty will gradually take the place of Meteor. It will also push the American Beauty at certain times of the year. We cut Liberty with stems four feet long and blooms fully as large as any Beauty last May and June. They sold at better prices than the extra long-stemmed Beauties.

JAS. SOUDEN, MINNEAPOLIS, MINN.

I have had many inquiries regarding the way we grow Liberty roses and must say that we have been very successful. Our mode of treatment may be different from others, and here it is:

We have just finished grafting our Liberties for next season. The Manetti being very slow to start, caused us to be a little late. However, they are taking nicely. After we take them out of the grafting case we keep them in a temperature of 60° to 65° at night. Through the day, if the sun shines, we shade rather heavily and do not ventilate for a few days, until they get used to their new quarters. In about nine or twelve days, according to the progress they make, we repot into 3-inch, and in about five or six weeks into 4 inch.

Then, about the middle of May, if they have made a nice growth, I give them what I call a partial rest, by standing them outdoors, or better still, keep them in a nice, light, airy house, where we can watch them closely, but water and syringe them enough to keep the wood solid and leaves from falling off I keep them in that dormant condition until about the first of July, when we clean out and replant. But, before we start to plant I shade the house a little and keep them shaded until the eyes have swelled considerably. I think, by giving them the partial rest, that they are not so inclined to become dormant in the middle of winter when flowers are very scarce.

Our soil is a rather light, sandy loam; water passes through it very freely. At time of planting I use one-fourth cow manure; then, after the first crop of weeds has come and gone, I give them a small top dressing of well rooted cow manure to keep the hot, burning sun away from the roots. It also holds the moisture and does away with the necessity of watering so heavily.

Now a little about grafted stock and own root stock handled in that way:

THE WIDELY DISCUSSED LIBERTY ROSE.

This season we have had one-third grafted stock and two-thirds on its own roots. The grafted stock has produced the most flowers to the plant, on stems running all the way from nine to eighteen inches. Own root stock has produced more long stems but not half the flowers. They have also been inclined to go to rest during the latter part of January and February, so the coming season I am going to use mostly grafted stock.

CHAS H. RONEY, JAMESTOWN, N. Y.

Recent results with the Liberty rose have been very gratifying. Last year we grew Liberty in a temperature of 58°, as advised by the introducer, but toward midwinter it came to a standstill with us. I then raised the temperature to 60°, the results being very much more desirable. We then came to the conclusion that they would be better with a still higher temperature, and this season I have carried from 62° to 65° with gratifying results. Next season I intend to plant my stock of Liberty and carry it at a Meteor temperature and shall be much mistaken if the results are not better than this season.

We carried over our last year's plants of Liberty, lifting them and transplanting them to another house. They have done much better than the young plants and I am inclined to think, from our experience, that the two-year-old plants are the best. From them we have cut all of our select and fancy flowers, splendid buds on four-foot stems. It is our intentention to carry these plants another season, making three years for them. We are far from being discouraged with Liberty and expect to plant it quite largely another season.

The beds in which we have grown them this year could hardly be called solid, in the sense of the word that some growers use the term. Our beds are built on the ground, and made with a 10-inch plank for sides, in which we place three inches of stone for the bottom and drainage. On top of this we put a good, tough sod, grass side down, leaving about five inches for prepared soil. We claim that this mode of planting gives a better finish to the flower, and they are not so inclined to be soft.

HARRY SIMPSON, EDGELY, PA.

I give my opinion about Liberty rose with the understanding that I do not place myself as an authority on the subject, as there are others whom I consider better at growing the Liberty than myself. Furthermore I do not wish to give this rose a black eye, as the introducers are personal friends, but I may without doing the rose or its sponsors any harm, give my experience with it. We are

growing this season about 7,000 Liberty, part of which I have grown in Meteor temperature, which is with me 66° to 70° at night, and part of them have been run 56° to 60°. Both lots have done fairly well, are at present writing in good condition and apparently full of buds, with length of stems up to three feet. It is a rose that seems to require a high temperature and plenty of nutrition to keep it growing, otherwise it will attain a stunted look and put out but few buds, and these few have very short stems.

A peculiarity I find about Liberty is this, that when you look over a house of same, you imagine that the cut of the house must be enormous when in reality the cut is just about one-half the amount of our general teas and less than half of Meteor, so that from a money making standpoint we must get double the price for Liberty to let us out. Can we do it? Then, taking into consideration that in the three or four hot months, when Meteor is in its glory, the Liberty is off color and cannot be used, making it more disappointing. I must add that I am very sorry, as I like the rose, but we poor growers cannot afford to grow a rose just because we like it. Every variety must pay its way, otherwise we are obliged to drop it.

What we want to-day is an all year red rose that will produce as well as Meteor and flourish in a temperature of 60°. However, we will try the Liberty another season, on benches, as up to date we have grown them in beds. Possibly we will get more bloom that way.

ERNST G. ASMUS, WEST HOBOKEN, N. J.

We could not get along very well without Liberty, and I am growing as many as ever, about eight or nine houses of it, and expect to increase on that next season. Liberty is the only rose in the New York market that approaches the Beauty in price, being only a trifle below them. At Christmas time the best Liberty commanded as high a price as the best Beauties.

I am succeeding with it now, the same as when I first put it on the market. Liberty is not an easy rose to grow by any means. The least oversight in its treatment, given below, will cause it to be checked, and then good-bye to your Liberty crop for the season. I give herewith the methods I use and under which Liberty has so far given me the most excellent results.

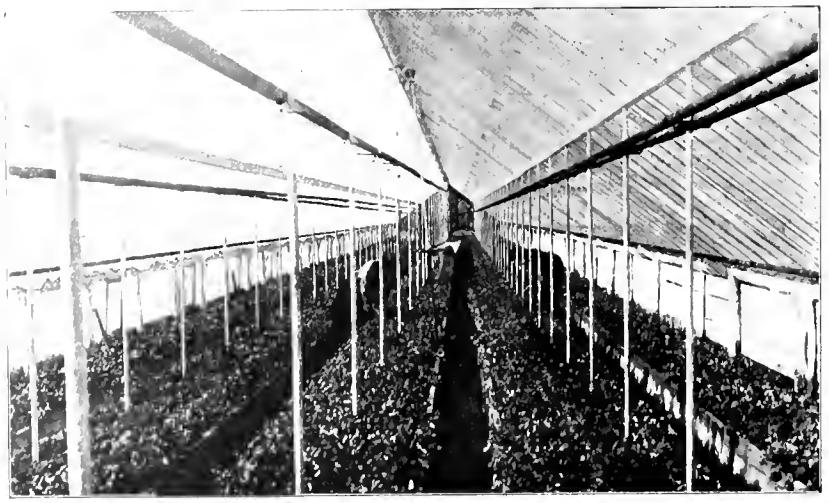
I plant them in good, rich loam, or rather sod, mixed with about one-third of old cow manure, giving them at all times a liberal amount of water. Keep all young buds, as soon as they are about the size of small peas, well nipped out, but be sure when nipping out the buds to nip them with about two or three leaves, according to the thickness of shoots. Liberty is a persistent bloomer and if you only nip the bud alone it will throw other small buds, instead of good flowering wood.

By no means allow the plants to get checked or hard. Do not allow them to flower before they have attained a good height, say three or four feet or more, which one can get only by keeping the buds off before the wood gets hard. This, I find, is the only secret to growing Liberty. If my advice on this point is strictly followed I do not think anybody need have any fear of Liberty not growing.

Be careful about the details, such as watering and ventilation. They require about the same temperature as Brides and Bridesmaids, but can stand a little more water. I give mine a night temperature of 58° to 60° with a 10° increase on bright, sunny days.

Up to last year they have been almost black spot proof with me, but the one house I had last year showed me that they are like most all hybrid teas, subject to that dread disease. If attacked, be careful that every spotted leaf is removed, and do it at once. As soon as you see a few spots, do not wait until the whole plant is infected; then it will be too late to check it. I find carbonate of copper, dissolved in ammonia and about one gill to a watering can of water, a preventive, but not a cure. It is used by syringing two or three times a week.

In conclusion, I would say, do not look for real good colored Liberties before the weather gets cold. I have never had good blooms before November and you will get them a good deal finer in December and January, when Liberty is at its best.



VIOLET HOUSE OF WM. SIM, CLIFTONDALE, MASS.

S. ALFRED BAUR, ERIE, PA.

"Give us Liberty or give us death" was the cry of the advertiser not long ago, when this grand new rose was placed on the market, and judging by the appearance of most of the stock seen at various florists' establishments, the latter alternative seems to have carried the day in spite of the many good intentions of rose growers of more or less prominence. What is the trouble with Liberty? Who said it would replace Meteor? Liberty has troubles of its own. Meteor can take care of itself and will probably be grown when Liberty is forgotten, even though Meteor has some faults. How do we account for the many failures in growing the Liberty rose? Perhaps the main reason is that we have been trying to grow it like a tea rose, making no allowance for the fact that it really belongs to the hybrid tea section and, as such, must have its season of rest or trouble is sure to follow.

To grow Liberty successfully we should start with grafted plants from 3-inch or 4-inch pots planted in the benches about June 15. Keep it growing without check until November 1. Keep off all buds until that time. When disbudding cut back the shoots to good solid eyes. This will induce the plant to make good growth and prepare it for its flowering period later on. Many failures in growing Liberty can be traced to improper disbudding. Some disbud by just nipping off the buds with the fingers; this only results in the plant sending out a lot of weak growth, which in a short time makes more inferior buds and takes the strength of the plant long before it is able to bear the strain.

During its growing season Liberty can stand a good lot of water. This makes it necessary that the benches should be well drained, otherwise trouble is sure to follow. Black spot should be guarded against during the fall and winter months; in other words keep the temperature even at from 60° to 62° at night with 10° higher in the day time. Otherwise treat it the same as a tea rose. Those who remember the old W. F. Bennett rose of some ten years ago and studied its peculiarities will find much the same fault in the Liberty rose, with the exception that Liberty holds its color better and is a stronger and more erect grower.

I believe much the better success can be had with the Liberty by carrying the plants over the second, third and fourth years; in fact, there is no reason why it could not be kept going year after year for ten years if treated as we treat early hybrid roses for Christmas blooming. The following treatment has been found very successful: Dry the plants off, beginning about July 15, and ripen off until September 1, allowing the plants to get dry enough to lose all leaves. In order to do this properly they should have plenty of ventilation day and night.

By September 1 they should be cut back to within ten to twelve inches from the soil and all weak shoots cut out entirely, leaving only from three to five of the strongest on the plants and these cut back well into the solid, ripened growth. Clean off the beds thoroughly. Water the beds lightly for the first week, gradually increasing until the soil is in good fertile condition. Give the beds a light top-dressing one-half inch deep spread evenly on the bed, of one-third manure, well rotted, and two-thirds soil. From this time on treat the plants just as you treat hybrid roses that you want to get into crop for the holidays. The only difference will be you will get the Liberty into bloom about December 1 and will have a succession of bloom all winter long, with very little interruption until you must dry them off for the next sea-

ESTABLISHMENT OF G. VAN BOCHOVE & BRO., KALAMAZOO, MICH.

son, when you go through the same process again.

Treated in this manner I believe we have in Liberty one of our very finest forcing roses and, above all, it brings in the best returns when roses are worth their weight in gold, as it were, during the months of December, January and February. Liberty is not a rose for the small grower. I believe it will always hold its place with the larger growers, who are willing to give it the treatment that it requires to bring it to perfection. When given its proper culture few roses will yield better financial return, but with indifferent treatment it is not worth house room.

BY OUR CORRESPONDENT "R. I."

This grand rose has given some trouble since its introduction, but this only goes to prove that it will be of much value to all who will grow it successfully. It is a too valuable addition to our list of winter roses to be discarded without giving it a fair chance.

It is not as double as the Bride or Bridesmaid and consequently makes a finer formed flower when it is open. The color is all that can be asked for, it being a very fiery red, and has a beautiful gloss which gives it the finishing touch. When grown as it should be it will send out a great amount of bottom shoots which reach up to a surprising height. When these buds are cut you will be able to get a nice, long stem and still leave enough eyes on the plant to furnish still other strong breaks, which always make good flowers on Liberty when they come from near the base of the plant.

To grow Liberty successfully we must start at the time we begin to work up our stock and treat it separately. Do not try to handle it with Bride, Bridesmaid or Golden Gate without giving to it the amount of care it deserves. The Bride may be treated as the Bridesmaid, or vice versa, but treat the Liberty as the Liberty. This is especially applicable in temperature and watering.

I should say now, before I go further, that as a rose on its own roots it does not give the satisfaction that it does when grafted. I saw Liberty growing the first winter after its introduction at three of our best rose establishments of the east, and at all three of these places it could easily be seen that it was far better grafted than on own roots.

When you are getting ready for grafting, care should be taken to select eyes which have not started at all and which are from strong wood rather than from any brush which may be on the plants. It is a good plan to leave one or two extra eyes, besides those which should be left for the next break, when you cut a flower. Then when you are ready to graft you can look over the plants and select strong, healthy eyes for your next year's stock.

After they are put in the case they will need to be taken care of the same as other roses, but they nearly always require a trifle longer time in the case. It is best to look them over when they begin to callus, and to remove those far enough advanced to a part of the case where you can give them a little air and leave the others in the heat until they do start. Look them over carefully and treat them in this way and you will get a better strike than as if you handled the whole batch as one plant.

After you have them out of the case and hardened to the full amount of sunshine and air, watch them carefully to keep down spider and black spot. Fortunately for us, this rose is not troubled with mildew, but if you become careless you will find the evil of black spot to work against.

You will soon have some disbudding to do on these young plants, and right now is the time when you will be liable to do wrong if you treat them the same as you have your Brides or Bridesmaids. When you disbud Liberty always pinch back to an eye which has a good leaf on it. You will notice many shoots with a long tip on which are only a few small tips or leaves. These eyes seldom make a good break, they will often send out a small shoot about one inch in length, with a bud on it which is of no use whatever. The best way is to pinch back quite low down and in this way avoid short stems and brush. Keep them in good condition in the pots, do not let them get pot bound, give them good drainage, and if you disbud them as they should be you will have nice, strong, stocky plants to bench.

The greatest drawback to this rose is the fact that it requires a high temperature. To grow it well it should be run at 62° to 64° at night and 68° to 70° in the day time, with air on. I have seen it grown with Brides and Bridesmaids with the temperature at 58° to 60°, but they were not as good as those grown in the higher temperature. If you try to grow them at this low temperature you will need to watch them very carefully, because if they get too dry or the tempeature should happen to drop any lower on some cold night you will be liable to send them to sleep and they will be useless for the rest of the winter, until the sun gets strong again.

Watch them carefully during the winter. Do not let them get dry, as they will receive a check very easily. Rather water them often and little, as you will encourage black spot if you let them get very wet and a dark spell of weather comes along. I think it better to plant them on raised benches when you can, as, with a pipe under the bench, you can manage them better in regard to watering.

When the sun begins to get strong in the spring a mulch of well rotted cow manure spread on the soil will help to stimulate new growth. In conclusion I should say that under the management of a careful man, one who will watch the result of each watering, this rose will not prove as difficult to handle as it seemed it would the first year. It is care and not secret processes which will grow it as it should be grown.

A House of Violets.

The illustration on page 240 is a reproduction of a photograph of a house of violets grown by Wm. Sim, at Cliftondale, Mass. The house is 20x200 and contains 2,600 plants of Princess of Wales. The plants were benched the third week in November, following a crop of chrysanthemums, each plant being given one square foot of bench room. The photograph was taken January 29. The yield from date of benching to March 1 was 213,000 first-class blooms. The house runs from north-east to south-west and the crop promises to hold out until after Easter.

A Michigan Establishment.

The illustration on the preceding page shows G. Van Bochove & Brother's greenhouse plant. Up-to-date and modern in all its appointments, the Van Bochove plant is of but comparatively recent growth and development. It is the same old story of an enterprise in embryo, gradually expanding under the persistent care of two progressive young men, until we see a range of eighteen well equipped houses, including over 65,000 feet of glass.

Roses and carnations constitute their specialties and, as may be seen from the illustration, there are no houses better adapted for that purpose. The stock produced is invariably of a high grade, commanding the best prices in the wholesale market. Two houses are devoted to American Beauties, the demand being such that a third one may be bullt for the purpose.

A fine and spacious office, equipped with all the modern conveniences, both useful and ornamental, including a type writing machine and a damsel manipulating it, lends a sort of charm to the general effect of the place. NOMIS.

Cave-Grown Mushrooms.

Many attempts have been made to grow mushrooms in worked-out mines or caves, but only with occasional success, owing to the unfavorable influence of various chemical constituents of the soil. But at Wheatland, near Mumford, Monroe county, N. Y., the exact conditions required are found in the gypsum mines of the Consolidated Wheatland Plaster Company. These mines have been worked for years, the gypsum being blasted out by dynamite, removed in mule cars and ground up in the large mills of the concern, to find its way into the various products of the company. The result is huge caverns some fifty to sixty feet below the surface of the ground, some eight acres of them, varying from six to eight feet high, totally dark, damp and about 56° temperature all the year around. It affords ideal conditions for mushroom growing.

The mushroom industry had its start here in a peculiar way. In the early days of the concern Chas. H. Root, the manager, caused to be put into the mines a quantity of horse manure which was placed in heaps where it was allowed to heat up for the purpose of putting therein sticks of frozen dynamite to be thawed out before being used for blasting the gypsum rock. Finally the heat all left the heaps and they were allowed to remain in the mines, where, due to the right temperature, moisture, and so forth, the manure turned partially into natural spawn. While walking near one of these heaps Mr. Root discovered something white thereon and, upon investigation, to his surprise, found a mushroom measuring eighteen inches in circumference and weighing fourteen ounces. Of course the mushrooms do not usually grow as large as this; however they are usually from three to five inches in diameter when picked for shipment.

This discovery led to an investigation of mushrooms and their culture, with successful results. An expert mushroom grower was employed by the concern and the business of growing mushrooms for the market established. Manure is purchased by the company in nearby towns in carload lots and after being removed from the cars is cured by turning over and over until it is of the right temperature, when it is loaded into mule cars and taken into the mine. Here the manure is promptly made up into beds sixteen feet long and four feet wide and about ten inches in depth, where it is allowed to remain until the temperature commences to fall, when the spawn is put in about two inches below the upper surface of the beds, in very small pieces, about one foot apart each way, and the whole mass is then covered with from one-half to three-fourths of an inch of loam or virgin soil taken from immediately beneath the grass on some fertile pasture.

MUSHROOM BEDS IN A NEW YORK GYPSUM MINE.

In about six to eight weeks' time after this operation splendid mushrooms will appear on the surface of the bed, as may be seen in the accompanying illustrations reproduced from flash-light photographs taken in the interior of the mine. A bed thus brought into bearing will produce mushrooms for two or three months. These beds are constantly being put in and the crop is therefore a continuous one. The mushrooms are picked in the afternoon every twenty-four hours, packed in five and ten-pound baskets, lined and covered with paraffine paper and shipped by express to the leading hotels, restaurants and markets, arriving there in the early morning of the following day.

The price realized varies according to the demand and the season, but usually ranges from not less than 50 cents a pound to $1.25 a pound. Mr. Root credits much of the remarkable success achieved to the use of the spawn natural to the place.

The Sweet Pea and Its Failings.

The plan Mr. Hutchins suggests for developing a resistent stock of sweet peas is a very good one, and we think he would be the proper person to undertake such work. Selection along these lines is a system commonly practiced by seed growers and, while it frequently takes many years to develop anything definite, it is not an expensive operation, simply requiring care and watchfulness.

Whatever the cause might be of some failures, a strong sturdy stock would be a good thing to develop. We might state that we are working along these lines here, and we trust that the sweet pea will soon be as popular as ever in the vicinity of Springfield, Mass.

LESTER L. MORSE.

Out of the Ginger Jar.

Well, children, here it is, Sunday morning and mid-March; another hard week's work just over our heads and the prospect of a few minutes gossip with you furnishing relief and refreshment. Although you might not think it, the cares of business are serious to me, as to all of you, and it is a relief and refreshment to relax once in a while and try to look on the cheerful side of things.

A merry heart goes all the way,
A sad one tires in a mile, O.

Therefore my Easter budget from the Banks of the Delaware must try to be as optimistic as if there existed no such presence as Dull Care. That, for my own sake, as well as for yours.

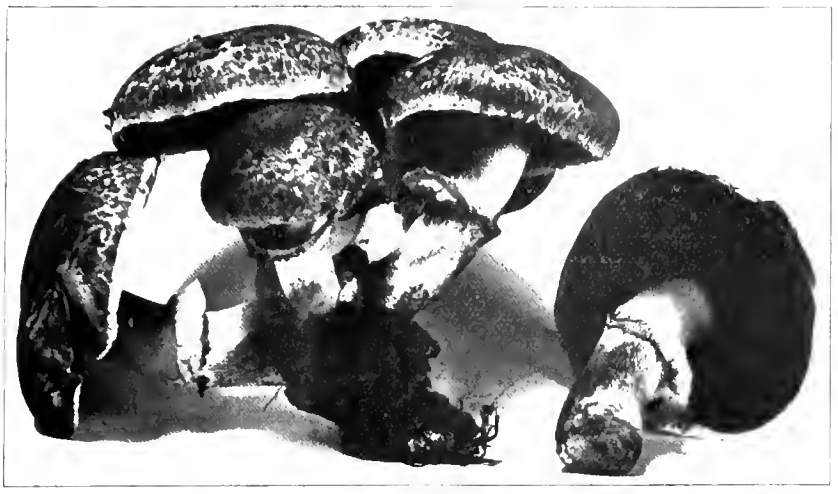
What's been going on down this way? Well, one thing that has impressed me much lately—during all the blizzards and thaws and floods we have had—is that the time of the boys is almost equally taken up damming the gullies and damning the lilies, and both seem to be equally futile. I met George Anderson on the corner the other day and asked him what this thing was—anyway—this "longiflorum disease." George is a close observer and I thought he might have a wrinkle, as he has less trouble with his lilies than most.

"Man," said he, "that's easy. Did you you ever see a pug-dog running along the street on three legs?"

"Of course."

"What makes it do it?"

"Don't know—natural I suppose."



MUSHROOMS GROWN IN A NEW YORK GYPSUM MINE.

"Yes, but its also because it's tail is curled up so tight. Yes sir, its a fact. Those pug-dogs have their skins so tight by tail curling that it actually compels them to rise up behind."

"But what's that got to do with the lily trouble?"

"Well, that's just the way the lilies kink up."

"Yes, but what causes it?"

"Oh, as to that, its just natural to all lilies—unless you know how to handle them."

And that was about all the satisfaction I got out of "Stand Siccar."

Whatever guess I may have myself about this lily trouble is as liable to be wrong as right, so I will keep it to myself until it becomes more matured. What the fellow with a twenty-five or fifty per cent loss wants is comfort—warm comfort, not cold comfort—a plausible guess does not fill his pocket.

When in that frame of mind it is well to reflect:

1. That the trouble is almost universal, and that you are no worse off than your neighbor.

2. That the proportion between supply and demand has thereby changed and prices on what you have ought to go up enough to make up for the deficiency in the crop.

3. That it is your business to pull yourself or yourselves together and see to it that they do go up. And put some dynamite, some force, some backbone into that resolve, for it wont happen unless you all agree and then stick to it.

My firm belief is that if everything were dead easy, if there were no insects, no bacteria, no microbes, no wicked bulb merchants, no north winds, no trouble at all to fight, then the greenhouse man would be out of a job. The more skill a thing takes to grow the better the reward. So thank your stars, children, that it still takes some skill to grow some things.

An old friend of mine asked me the other day, "What's the matter with you Philadelphia people? What are you making such a fuss over that Balduin rose for, anyway? I know it, and would'nt give a gowpenfu' o' glaur for it."

I told him that wasn't the point. All that was desired was to find out the correct name of the rose. The trouble with the committee was that they found out too much. They found out not only what the correct name was but also who was responsible for the wrong one. For one, I'm glad there was a fuss. The air needed clearing. There will be no more skulduggery in nomenclature for some time to come. Besides that, look what a jolly fight it was while it lasted! The principle involved was worth fighting for and to be purged of a fraud makes every honest man feel good.

We all recognize that very cold weather at Easter is a serious condition for the retailer. What is it likely to be March 30, 1902? A small "crumb of comfort" is here given in the way of a record of that day for the past twelve years. This information was hunted up by Mr. Battles and I pass it along for your benefit:

YEAR.	HIGHEST.	LOWEST.
1890	46°	34°
1891	59°	39°
1892	53°	32°
1893	54°	28°
1894	50°	31°
1895	51°	38°
1896	60°	45°
1897	65°	46°
1898	55°	41°
1899	54°	38°
1900	41°	33°
1901	51°	32

During these twelve March thirties pleasant weather prevailed except in one instance (1900). The record for that one was "cool, raw and disagreeable, with rain all day."

Among others these records will be pleasant reading to my friend Robert Kift. You know how I love to please him, and I suppose you know we had a little tilt a week or two ago. What astonished me was Robert's lack of humility when found fault with. Just swelled out his chest and went and did it again. If it was'nt that I'm a much better looking fellow than he is I'd really feel like hitting back. And then there's my record—no I don't mean my record—I have no record—but there's my brain power. I'm just simply bursting with brain-power, but I keep it so well hidden that people, girls especially, have been known to call me Big Idiot. But I just pity them, for don't I know all the time what's inside. And although I have no record, I honestly believe I have a very fine pedigree; but unfortunately my great grandfather got mislaid somehow and I cannot trace myself back to William the Conquerer, although I believe I go that far and farther.

If you were a seedsman how would you like to have this sort of thing fired at you?

The seed catalogues are piling up on our table again. Steer clear of all who do not advertise in the regular way, unless you positively know that they are all right. This country is becoming one vast weed bed and the unscrupulous seedsmen are largely to be blamed for it. Grass seed, timothy and clover are especially apt to bring us foul seeds. With every bag of the stuff there should be an iron-clad guarantee as to purity. I mean to have it, too.

What rubbish! Anyone who has stood back of the counter and shown samples of grass seeds to the farmer as I have for the past twenty-five years can tell you different. If there be anyone to blame it is the farmer himself, for a very large percentage of them deliberately select weedy samples just because of the price. And yet writers like the one I quote—and he appears in that staid and reliable monthly the *Farm Journal*, at that—will tell you it's the seedsman's fault, just as if seed could be machined and re-machined and the cost of it remain the same. There has been no time within my experience when farmers could not get their seeds absolutely clean. Red Top might be cited as an exception, as we did not have the proper machinery until about a dozen years ago. The seedsman is like any

MUSHROOM GROWING SIXTY FEET UNDER GROUND.

other merchant, he has to keep qualities to suit all his patrons. The remedy for the selling of low-priced seeds is to educate the farmer. The seedsman will respond mighty quick, and glad to do it. But there are some farmers, I am sorry to say, who would require Oliver Wendell Holmes' plan to reform them—begin with their grandfather. Or give them the choice of selecting their own parents—and then they wouldn't be farmers at all, but the sons of millionaires.

That reminds me that there's another notion going the rounds of late—nature study for children. The idea is to start the child of six studying botany and entomology and ornithology and zoology and geology and goodness—or badness—knows how many other 'ologies. As if the poor creature did not have trouble enough in its early years with the "three R's!" The fact is the common school curriculum is far too crowded now and the scholars have no time to lay thoroughly the foundation with the three R's. Have you ever taken a boy of fifteen into your office and found that he could spell half decent? I never have. Isn't the common sense plan of teaching the essentials thoroughly first, the best one? As it is now the child gets a whole lot of stuff and nothing thorough in any of it. And yet sensible people like Edwin Lonsdale and Prof. Hamilton and a whole lot more like them are loud in their advocacy of "nature study" for the common school. Am I so dumb or are they mistaken?

Another knotty point the Philadelphia boys have started in to wrestle with is the patenting of novelties. The trouble broke out here with Edwin Lonsdale and has been in full blast all along the line for some weeks. Lonsdale is getting to be a

AN EIGHT-MONTHS OLD BRANCHING RUBBER.

regular Don Quixote. First he went careering after nature study; then Frauds in Nomenclature loomed up, and with the assistance of two other gallant knights that Giant was unhorsed; now comes Protection to Papas of New Plants. This latter is a difficult damsel to deal with and if the Duke succeeds finally in leading the Dulcinea to safety there will be loud acclaim. I am not quite sure who is the Sancho Panza at present, unless it be H. H. Battles; but he won't stay long in the fight. He has too many Giants of his own to fight.

Apropos to the visit of Prince Henry—would the following chorus which I heard sung in the club room the other night be considered a case of *lese majeste:*

Hist to the roll of the big base drum,
Now is the time when the Dutch will come,
The Amsterdam Dutch,
The Rotterdam Dutch,
The Allentown Dutch,
And all shake hands with the Pennsylvania Dutch.
Then here's to the Irish. They're not very much,
But they can blank sight better than the blank, blank Dutch,
Hip, hip hooray for the Irish!

And it wasn't only the voices of "Dan" Allen and "Benny Leader" and "Jack"

SELF-BRANCHED FICUS NINE MONTHS OLD.

Dunham—irreverent and graceless Americans with Irish leanings, but I could also distinguish the lovely basso of "Doc" Kuestner and the embryo tenor of Charley Eimerman, familiarly known as the "Little Wonder" and the "Little Corporal." People of sense, like Commodore Westcott and yours truly, did not join in on this kind of thing. We consider it *infra. dig.* Besides our vocal talents have always lain dormant and we couldn't sing to save our lives. That story of Gurney Hill's about the Irish being too green to burn in the lower regions is a large draft on the imagination. What with ditties like the foregoing and "Pat" O'Mara's dig at the A. P. A.'s and the potato for a national flower, it looks to me very like as if the Irish were ripe for the burning.

Well, children, paper's done, and I must stop for the nonce. I hope none of you will take any of my poor attempts at a joke seriously, but like loyal members of the family laugh even is you don't see the point. And I trust I've put in something for Job to have a growl at. It would be too bad if not a stickful for him should appear among my chatter. Let us all try to keep our ends up!

GEORGE C. WATSON.

The Modern Ficus Elastica.

There is no one plant, perhaps, that has grown as fast into popular favor as the "rubber." In every collection of house plants there is almost sure to be found one or more specimens. It's beautiful, glossy green leaves, coupled with the sturdy growth and its freedom from disease makes it an ideal house plant. The great and increasing quantities which have been produced and sold in the past five years shows a demand that the most sanguine grower of ten years ago would have deemed impossible.

Modern methods of growing have helped the growers to keep pace with the demand and incidentally by economical methods in propagation and handling large quantities to help along its popularity by lower prices. The variety most favored is F. elastica var. Belgica. This form is largely grown in Belgium, hence the name. Large quantities of rooted cuttings are annually imported early in the spring and grown on for the fall and winter sales. The young plants originating in this country from branch or single eye cuttings, however, constitute by far the greater part of the stock grown.

While the straight single-stemmed plant from twenty-four to thirty-six inches high in a 6-inch pot is still in good demand, the branching form, low and bushy, with from three to six branches, in the same sized pot, is much favored. Robert Craig & Son, of Philadelphia, have made a specialty of plants of this form the past few years and the accompanying illustration is from a photograph of a plant from their stock. This specimen was a cutting taken in February, 1901. In about two months the center was taken out, when every side bud started. During the month of May the plants were plunged in hops over a bed of manure. This bottom heat induced a quick root growth, followed by a pushing out of shoots or branches. About the last of June the stock was plunged in soil outside, under a temporary shelter of muslin, which was removed about the first of August. The plants seemed to be always on the jump and were by autumn healthful specimens of branched rubbers, fac-similies in minature of their more aristocratic and two-year-old parents. The plant here pictured has six branches, which rise about thirty inches above the pot, with about the same spread.

Such an interest and pride is taken in these plants by the owners, that an amusing controversy was started in one of the Philadelphia daily papers the past summer by a householder referring with pride to a specimen which he declared was the finest in the city. This called forth dozens of replies and offers of money to back up the opinions of others

ELEVEN-MONTHS OLD FICUS IN 8-INCH POT.

who were willing to place their plants in competition. K.

[Another of the accompanying illustrations shows a branched ficus grown in

eleven months by C. H. Kunzman, Louisville, Ky. It is in an 8-inch pot, stands twenty-eight inches high and is naturally branched, not having been topped. The other illustration is of a nine-months-old self-branching plant grown by Fritz H. Dressel, of Weehawken, N. J.—ED.]

Burbank's Shasta Daisy.

The latest novelty from Luther Burbank's experimental gardens at Santa Rosa, Cal., is the Shasta daisy, which Prof. L. H. Bailey says promises to at once take rank as one of the very best garden flowers. The plant is very hardy and not particular as to soil or treatment. It blooms for several months, nearly all the year around in California. The flower is large, fully three inches in diameter, and has three or more rows of petals of remarkable whiteness, on stiff, wiry stems of great length. The plant is botanically classified as Chrysanthemum Leucanthemum hybridum. It was produced by crossing the weedy but free flowering American species with the European and Japanese species, followed by a long period of rigid selection. The accompanying illustration shows the Shasta daisy, about one-half natural size, with one of its parents. Mr. Burbank has several new and distinct forms of the daisy, some perfectly double and some with well defined colors in the petals, but these are not yet ready to send out.

SHASTA DAISY, ONE HALF DIAMETER, AND ONE OF ITS PARENTS.

A Little Sermon For the Carnation Grower.

The carnation convention has come and gone, and those of us who were fortunate enough to be there have had time to "boil down" in our own minds what we saw and heard, and lay our plans for next year. What a pity every man in the country who grows carnations could not have been present. What a shaking up it would give some of the fellows who are going placidly along in the old rut, year after year, growing the same old antediluvian varieties in the same old haphazard, hit and miss manner.

Some people won't read and won't listen to what is told to them. If they could all go and see—just once! I verily believe that if they could all be gathered together next year at Brooklyn, could see one exhibition, and hear the talk both at the regular sessions and among the little knots of kindred spirits who gather together and "talk shop" between whiles, the "crap" crop of the country would be reduced ten per cent. The tremendous amount of bad stock produced each year is more due to the growers not knowing how bad it is, than to their inability to produce better.

Another quality quite commonly found in the make-up of the contented "crap" grower is an aversion to paying money for stock. He won't touch a new thing until he can trade something for it—that is, until it is no longer a new thing. One would, of course, certainly not wish to go on record as advising the general run of growers to go heavily into the first year novelties, but by the second year everyone who has his wits about him, and reads and listens carefully, can spot the winners and buy at least a few hundreds of some variety to advantage.

Time was when having good reports of a novelty sent out by a hybridizer with a reputation, one could safely buy 500 or 1,000, and with sales of cuttings, together with fancy prices for flowers, do very well. Sad to relate, except in unusual cases, that is not to be depended on now. The big fellows have taken to cutting prices so, of late years, that there is nothing in the cutting business for the smaller grower.

To return to the convention and the things there seen, one wonders why so many growers ship overdone flowers for competition. There were numerous cases of this kind at Indianapolis. One could note several vases of what would have been prize-winning stock, save that they were a little too old. Then, too, there was a sprinkling of seedlings which the visitor passed with a pitying smile, saying nothing, small, washy-colored, weak stemmed, worthless rubbish, often in no way so good as long ago discarded varieties. There is, probably, hardly a grower of 500 carnation plants in America who has not one or more seedlings or a pod or two of seed. When one thinks of this fact in connection with the fact that certain growers annually raise several thousand seedlings each, it should not be hard to realize that a carnation must be, to-day, phenomenally good to be any good at all.

Tastes differ about color and about form, and a medium sized flower if extra good in other respects can still be used; but there is one point on which there can be no dispute; that is the stem. All growers are practically agreed upon what constitutes a good stem. It must be rigid enough to hold the flower erect. Heretofore we have grown some varieties defective in stem simply because there were no better of their color to be had. We have now reached the point where this is no longer necessary, and it can be asserted that, barring accidents or phenomenal departures from existing types, no variety with a defective stem will ever again receive a certificate.

Every seedling grower must take this fact to heart. If the stem of any seedling is not stiff enough at all times, under reasonably favorable conditions, to carry the flower fairly erect—"rous mit it"—throw it away—get the temptation removed. The variety which has to be "coddled" to make it hold up its head will not do. No matter how fine the color and form, no matter how large the flower, or how fragrant, the dissemination of a weak-stemmed carnation can only result in damage to the reputation of the raiser which it will take years to live down.

Of course there is always the chance that by further crossing, the stem defect can be removed, but in general, it will be best to keep the weak-stemmed varieties out of all crosses.

And now, lastly, having produced a seedling with a good stem and enough other good qualities to warrant its dissemination, there is one duty so obvious and so necessary for the raiser's own credit that one wonders why it is so often neglected. The public must be told, and told truly, all about the variety and its little peculiarities. For instance, we are told in midwinter this year, by the raiser of a carnation which was widely distributed last spring that if not grown on the dry side and the temperature at all times

kept at or above 54° the flowers will come streaked. Another tells us that his variety will not stand nitrogenous food. In the case of another prominent introduction experiment has shown that a temperature of about 56° is necessary for best results. Now everyone knows that the usual night temperature is about 50°. Many growers habitually run their houses lower than that, and many houses are not piped so that an average of over 50 can be maintained. Now why, in the name of all that is reasonable and right should we not have known the above facts a year ago, and not have been led to invest in stock which requires treatment which we cannot give it?

W. N. RUDD.

Outdoor Chrysanthemums.

I have read with much interest the notes of Mr. May on this subject in the FLORIST of March 1, and I now feel some timidity in daring to dissent from the opinion of such an authority. For what little I may know of the bench culture of roses I have to thank Mr. May. What I may know of the outdoor culture of chrysanthemums I have from quite as good authority, good old, costly, cold-blooded experience. Had I been growing chrysanthemums for bread and butter I would now be penning these lines with a quill from my own wings, perhaps.

If anyone has spent more money and hard labor than I have trying to grow chrysanthemums out of doors I would not concede him to be more foolish, only to have more staying qualities. The Irish method is the one I found success with; that is, the way to grow chrysanthemums out of doors is to put a house over them. In other words, I am undertaking to tell you how to do something that cannot be done, except partially.

In the first place, early planting is all wrong in Alabama. June planting is good; July planting is better. There are nineteen kinds of pests that will attack your plants from the first warm weather to July. What chance has a man to fight this array of enemies in the open air? No need to take up your time with any more reasons. I planted in July and had Modesto seven inches in diameter with four-foot stems. The fishing is too good down here to put in three months fighting insects when you get better flowers from July planting.

Good drainage, no matter how it is obtained, rich soil and plenty of water handy, are what you must have to start with. Plant late and grow quickly. Stake as you would a bench of roses. Use wire stakes; anything else will harbor insects. Build a light frame over your beds and strip it with sash bars, spaced to suit your glass, lapped and tacked down firmly enough to prevent wind from blowing it off. The outside of your frame should be three feet from the ground. A strip of yard-wide sheeting tacked around this will give ample protection against wind, cold and dust. On warm days raise this curtain and let the plants have fresh air.

Have your plants so arranged that you can spray the late ones until they show color. Never undertake to spray plants showing color. Mulch deeply with cow manure and bone meal when the first buds appear, and water freely. After the glass is put on, which should be when first buds show color, fumigate once a week by vaporizing strong tobacco juice. Varieties are purely a matter of taste, but you will get the best results from those that open quickly, as Golden Gate. This, in brief, is how I have succeeded; every other conceivable way is how I have failed.

When I covered my plants ready to bloom with an opaque substance the weather always got cloudy, and a few dark days "done" me. When I covered with sheeting I always had a beating rain after a dusty spell when my flowers were the most promising, especially the white ones. If I did not cover them at all a long dry spell meant thrips. Then good-by opening flowers. Rain on an opening flower and then a good warm sunshine? Well, chrysanthemums are best raw. In my lifetime I have never known September and October to pass without one good hard blow, and I have never found any system of tying up to withstand it.

I could go on and enumerate dozens of other troubles equally essential to failure, so I am now convinced that chrysanthemums bloomed otherwise than under glass are disappointing. I know someone will jump up and say they have raised chrysanthemums out of doors. Yes, and so have I, but they were only good for a high shelf at a country wedding. I do not think that Mr. May has accumulated his comfort to old age by selling chrysanthemums raised out of doors.

Now a word as to varieties. The early ones are disappointing at best and would necessitate putting on the glass too soon. Robinson, Bassett and Marion Henderson are about as early as you want them. As I said above, varieties are a matter of taste, only the quick openers are the best for us down here. The very late ones give the best results. I have had Yanoma at New Year's that were perfect "peaches." Try a few plants of Dailledouze with all of the top bunch of buds left to bloom. The effect is immense. Leave some crowns and some terminals on your Warren and Carnot. The contrast is fascinating. A spray of Weeks is fit for a queen bride. A dear little Ivory at my lady's throat is fetching.

I never had a fine lot of Jones but that someone wanted them in a funeral piece. Speaking of funeral work, Fisher's Torch or Mrs. Drexel tied with ribbon to match are not bad. And so I might go through the list. But do not ask them to bloom out in the weather and be perfect.

F. P. DAVIS.

FUNERAL WREATH BY HENRY MORRIS, SYRACUSE, N. Y.

Rochford's Lorraine Sport.

The illustration facing page 239 shows a plant of Begonia Gloire de Lorraine, Turnford Hall variety, recently given an award of merit by the Royal Horticultural Society of Great Britain. The plant was exhibited by Mr. Rochford, son of the late Thomas Rochford. It has large white flowers, just tinted with rose, and a correspondent says it is "likely to chase

Begonia Caledonia out of the field altogether," as it is of much stronger growth, and more free flowering. Grand plants were shown in 5-inch and 6-inch pots.

Wreath of Leucothoe and Violets.

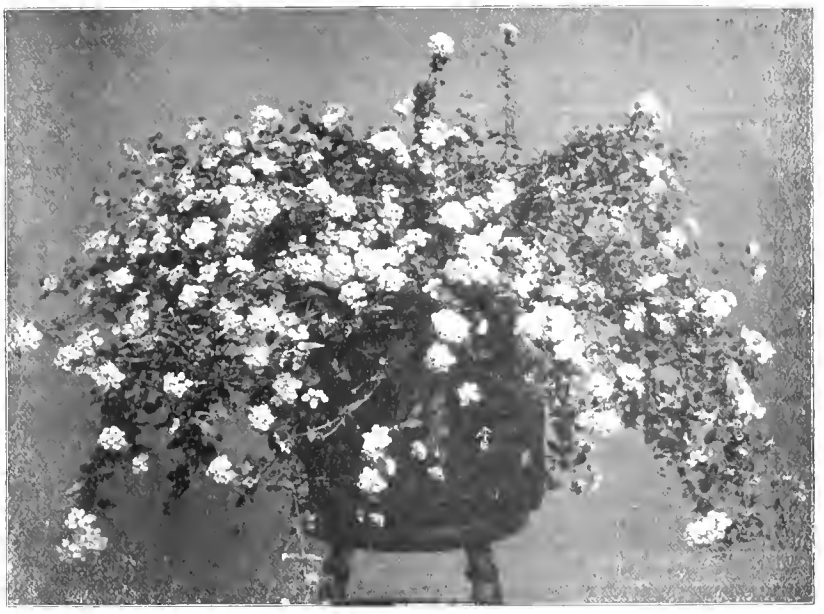
The illustration on the opposite page shows a funeral wreath made recently by Henry Morris, of Syracuse. It was three feet in diameter and one section was of leucothoe leaves, with a little magnolia foliage mixed in. The other side was made of violets and palm leaves and the ribbon was violet.

A Weeping Lantana.

The accompanying illustration is from a photograph of a weeping lantana which had served all summer as a hanging basket and later had spent two weeks as a decorative plant in the parlor. It has certainly lost some of its bloom in moving about, but it will give an idea as to how this beautiful plant can be utilized.

The cuttings were struck January 25, 1901, and the young plants were kept growing on in pots until March 25, when four of them were potted in an ordinary hanging basket and given a place near the glass. The soil used was a common garden loam, with a small quantity of bone meal and horn shavings mixed thoroughly through it. By June 1 the basket was full of bloom and was suspended on the veranda, care being taken to give it plenty of water and turn the basket around so that the sun might have an opportunity to reach all sides. The plants bloomed more or less all summer and in the autumn the basket was taken indoors and returned to its customary place, near the glass. In a short time the lantana had taken on full bloom again and the basket was removed to the parlor, the wires simply being removed and the basket placed on a small table. If careful attention is given to watering, the plants will keep on blooming for a considerable time.

The lantana is of a graceful, drooping habit and the flowers are of a most delicate color, brilliant rosy lilac. A cluster of flowers is produced at each leaf axil. In my estimation the plant cannot be too highly recommended. D.



A WEEPING LANTANA.

Society of American Florists.

MEETING OF THE EXECUTIVE COMMITTEE.

The executive committee met at Asheville, N. C., on Tuesday and Wednesday, March 4 and 5. All the members of the committee were present with the exception of ex-President O'Mara and Messrs. E. Buettner and R. Witterstaetter.

Many communications of importance were read by the secretary, several of these being from nursery and florist firms in southern territory expressing approval of the plan to hold a convention in the south and promising co-operation.

The secretary's report indicated a prosperous condition in all departments of the society's work. The treasurer's report showed a larger balance on hand than has ever been before in the society's history, the amount on hand January 1, in the general fund, being $2,111 11, and in the permanent fund $1,574.68. The vouchers were examined, approved and found correct by a sub-committee of the board.

The new auditorium which is to be headquarters for the convention was visited and found to be admirably adapted for the purpose, and it has been secured for the society's use for the week of August 17-23.

Owing to the fact that there is no florists' organization in that section to whom the work could be delegated, the business of arranging for the trade exhibition was placed in the hands of the secretary, with instructions that the charge for exhibition space shall be reduced this year twenty per cent below the schedule of last year. It is expected that there will be a large and varied display, especially of the products of southern horticultural industry.

The subject of southern productions for northern consumption in commercial horticultural lines will furnish the theme for much of the discussion before the society during the convention meetings.

It was decided that a president's reception should take place in the same manner as heretofore, and arrangements will be made for an illustrated lecture on one evening.

An inspection of the facilities for the sporting members of the society was made and it was found that there are at present two sets of bowling alleys and two more are to be built this spring, so that there need be no solicitude regarding accommodations on this line. It is also expected that the members fond of trap shooting will be given an opportunity to test their skill in competition with some of the local celebrities. Messrs. Robert Halliday and A. B. Cartledge, with one other member to be chosen later, have been appointed by President Burton a committee to take charge of the sporting events.

In accordance with the vote passed at the convention in Buffalo last year, the secretary was instructed to send a circular letter to bulb growers throughout the country, asking that they make a display of their products at this convention, and making the stipulation that all such growers shall have free exhibition space for the display of one dozen each of such varieties as they may desire to show, the bulbs thus contributed to be the property of the society, to be used for testing purposes as to their forcing qualities during the following season, and a report thereon to be made the next year.

A sub-committee having been appointed to consider the matter of the distribution of S. A. F. medals through other societies, made the following report, which, after full consideration, was adopted:

Your committee on the distribution of medals by the S. A. F. through floricultural organizations, appointed to make recommendations regarding the donation of such medals and the manner of awarding same, beg to submit the following for the consideration of the executive committee:

First.—Your committee having in mind the widespread interest and keen competition in several states created by the offering of medals by the S. A. F. and the consequent benefits to horticulture thereby engendered, would recommend the continuance of their distribution.

Second.—Your committee would recommend that one silver and one bronze medal be offered by this society to be awarded for new and meritorious plants or flowers of American origin exhibited at a regular public exhibition; said medals not to be awarded unless the plants and flowers exhibited are entirely worthy of such award, through the following organizations:

Chrysanthemum Society of America,
American Carnation Society,
American Rose Society,
Massachusetts Horticultural Society,
Pennsylvania Horticultural Society,
Horticultural Society of Chicago,
Newport (R. I.) Horticultural Society,
Society of Indiana Florists,
New Jersey Floricultural Society,
New Orleans Horticultural Society,
New Haven Horticultural Society,
New York Florists' Club,
Cincinnati Florists' Society,
Baltimore Gardeners' and Florists' Club,

and such other organizations as the executive committee in their judgment may designate.

Further, that the medals already offered to such of the foregoing societies by the S. A. F. for the purposes named above, and which on account of local circumstances have not yet been awarded shall not form part of the distribution contemplated herein, and shall be at the disposal of such societies until awarded; provided, however, that two medals of equal value shall not be awarded through any one society in one year.

Third.—An exhibit or exhibits competing for these medals may be shown at any regular public exhibition held by any of the foregoing specified floricultural organizations, but no plant or flower having won the society's medal three times shall be eligible to compete again for a similar medal.

Fourth.—The official report of the details of said awards with the name and description of the plants or flowers to which said medals shall have been awarded shall be furnished to the secretary of the S. A. F. for the purpose of record.

The question of the identity of the rose known as Helen Gould came up for discussion, and after a full expression of views by the members a vote was passed as follows:

WHEREAS, the matter of the synonymy of the imported rose Balduin, which rose has been known and sold variously as Balduin, Columbia, Red Kaiserin and Helen Gould, having come to

the attention of the executive committee of the S. A. F. through the secretary, in his laudable endeavor to have his published record of new introductions correct, the correspondence as had by him with several interested parties having been presented to that committee, and

WHEREAS, the communications published in the trade papers upon this subject convince the executive committee that the matter of synonymy of said rose Baldwin has been definitely settled by a committee of the Florists' Club of Philadelphia appointed to investigate same, be it

Resolved, that the executive committee, while deprecating the action which made necessary the work of the said committee of the Florists' Club of Philadelphia, compliments that committee on their exhaustive labors which have resulted in establishing said synonymy, and while appreciating the estimable service rendered by said committe of the Florists' Club of Philadelphia to the trade and the public at large, the executive committee consider that no further action in the premises is necessary on their part.

Resolved, that a copy of these resolutions be forwarded to the Florists' Club of Philadelphia and also published in the technical press of the country.

The committee would recommend the re-establishment of the nomenclature committee of the S. A. F., to whom all matters of similar import in future be referred.

It was decided that when the selection of the next convention place shall come before the society the polls shall remain open for at least one hour for the convenience of those desiring to express their preference.

A communication regarding the proposed United States laws in reference to the inspection and fumigation of nursery stock was referred to the legislative committee of the society.

In compliance with an invitation from the secretary of the Horticultural Society of New York, ex-President O'Mara was appointed a delegate to represent the S. A. F. at the Plant Breeding Conference which is to be held in New York city this year.

The president reappointed the present legislative committee, also the present incumbents of the office of botanist, entomologist and pathologist.

It was announced by Vice-President Deake that it was the purpose of the local people to entertain the visitors next August with a drive through Biltmore and a ride to Overlook Park. At the latter place, which is 3,000 feet above the sea level, an old-fashioned water melon eating will be on the programme.

Season tickets for each member of the executive committee admitting to the rose exhibition in New York city were received from Secretary Barron and a vote of thanks accorded therefor.

A sub-committee, appointed for that purpose, presented the following final resolutions, which were unanimously adopted:

We, the members of the executive committee of the S. A. F., in meeting assembled, desire to express our thanks to the Asheville Board of Trade, to the Idlewild Floral Company, to the Elks Lodge of Asheville, the Biltmore Estate, Messrs. Branch & Young, proprietors of Swannanoa Hotel, for the unbounded hospitality and many courtesies shown us during our stay in this city, also to the daily press of Asheville for the liberal notice given our proceedings.

WM. J. STEWART, Sec'y.

LOCAL HOSPITALITIES.

The members of the executive committee were tendered a banquet at the Swannanoa Hotel on the evening of Wednesday, March 5, by the Idlewild Floral Company. It was a very enjoyable affair, the dinner being served in a style reflecting great credit on the proprietors of the Swannanoa and the after-dinner speeches being full of enthusiasm. Mr. Barnard, who said he had come as the representative of McCloud, the eloquent, who would have been on hand had it been possible, on behalf of the city of Asheville promised to turn over the keys of the city to the convention of August and that the citizens would do everything in their power for the comfort of the visitors.

President John Burton, speaking for the S. A. F., pleaded inability to fully express his feelings. He said that the society in selecting Asheville as its next meeting place had in mind the double object of conferring some benefit on its southern breathren and of reaping benefit itself by seeing what nature has done for that beautiful country.

President John Nichols, of the Board of Trade, eloquently seconded Mr. Barnard's welcome and paid a high tribute to the inspiring objects for which the S. A. F. exists and the noble mission of the flowers. He was followed by J. D. Carmody, who proceeded to convulse his audience with a series of stories direct from the neighborhood of Posey County and hoped that the snow storm then in progress would not be attributed to the arrival of the northern visitors. Messrs. Halliday, Sullivan and Cartledge then rendered a trio entitled "I'd like to be excused" and Alex. Wallace, after a few words expressing appreciation of the courtesies extended, sang "I love the lasses" with his customary success.

F. R. Mathison made a most eloquent speech and aroused much enthusiasm as he dilated on the grand horticultural possibilities of the south. He told of the many goods being imported from foreign countries which the south should produce and sell to northern florists, adding pointedly, "We want your way-bills." He referred to what arboriculture and gardening had done for communities, raising the value of real estate and making homes better and happier, and reminded his southern friends of the riches they were overlooking in not doing more for the horticultural embellishment of their homes. He told of his experience with imported grafted and budded rose stock could see no reason why a great and profitable business in these goods could not be done by southern growers.

Secretary Stewart spoke next in endorsement of what Mr. Mathison had said and Treasurer Beatty followed with a very pleasing tribute to the elevating influence of a love for flowers, which, with the S. A. F., is the ruling motive. The following telegram came as the dinner was in progress: "Horticultural Club of Boston sends greetings, hoping the enactments of this meeting shall be the keystone to the future prosperity of the society. "Signed," M. H. Norton, treasurer."

After the close of the banquet the visitors were escorted by the proprietor of the Swannanoa Hotel to the Elks' rooms where as the guests of the lodge they received unlimited hospitality. Songs of the south and songs of the north alternated in vociferous chorus and many friendships were developed that will be again cemented next August. The Elks are "jolly good fellows."

On Thursday the visitors were treated to a carriage ride by the Asheville Board of Trade. Vanderbilt's great estate at Biltmore was visited in the forenoon and the beauties of this famous place fully enjoyed by all. A warm greeting was extended by Robert Bottomly, the gardener, who escorted the visitors through the conservatories and was especially pleased to meet some of his old Boston friends. In the afternoon the Idlewild greenhouses and Overlook Park were visited. Vice-President Deake left nothing undone for the happiness and comfort of his guests.

DEFORMED EASTER LILY.

Deformed Easter Lilies.

Many complaints have been heard this season regarding the behavior of Japanese longiflorum lilies. The disappointment and loss to forcers from the failure of a large proportion of the bulbs to produce salable plants and flowers is a very serious matter, not only to the forcers themselves but to the importers and dealers from whom the bulbs are procured and who, individually and collectively, have to suffer the consequences of blame for conditions which they are expected to foresee and guard against. So far as we have been able to learn, the trouble complained of is not the disease which, a few years ago, was so prevalent in the Bermuda-grown stock as to almost entirely ruin the Bermuda lily business. That disease, while not entirely absent in the Japanese stock, is so little in evidence that it is causing no uneasiness, at least for the present. Our two illustrations show the trouble in question much more clearly than any description we can give. In one pot are three bulbs, each of apparently equal quality and vigor at time of planting. The result is one good plant and two worthless ones. The other photograph shows a single plant with the stunted growth and curly foliage which is all too familiar to the eye of the Easter lily forcer, and which, so far as practical results go, might as well be thrown into the dump heap at once, for all that can be had from it if it ever gets to blooming is the twisted and deformed buds so plainly shown on one of the plants in the other picture. A superficial examination of the roots shows no difference between the imperfect and the healthy plants. Tests to many of the most experienced growers disclose some very significant figures as to the aggregate losses this year, the proportion of bad bulbs running all the way from fifteen to nearly fifty per cent. One grower acknowledges having thrown away already fifteen thousand of the worst out of fifty-five thousand plants. The photographs reproduced herewith were taken in his houses since and are good evidence that he has many more to dispose of in a similar manner. He states that his stock was purchased from six different dealers and the results from the various invoices differ but slightly. Another grower whose loss is over fourteen hundred out of four thousand bulbs says that the bulbs were all of the high-priced multiflora variety and were exceedingly handsome. They were received in early October and kept in a cool store-room until well rooted. Not only is it impossible to find any imperfections in the bulbs but it is often some two or three months after potting that the trouble begins to manifest itself, and thus, in addition to the cost of the bulbs, the grower loses the labor and room occupied up to that time.

Naturally the growers are earnestly seeking a way whereby they may escape a like infliction in future years. It is generally known that the English government has had an expert in Bermuda for some time past and the influence of his advice and assistance to the planters there is seen in the greatly improved quality of the bulbs brought from Bermuda the past season. The proportion of diseased bulbs has been very small as compared with other years, and it is evident that the Bermuda growers have learned the lesson that good stock cannot be grown on impoverished land and that if they put a bad bulb into the ground they will get a bad bulb out of it. One of the largest bulb forcers for the New York market has been experimenting with Japanese stock grown in Bermuda, but finds he can do nothing with it, for although this stock does elegantly in the Bermuda fields yet nothing can be done with it for early forcing here, it taking till May or June to get into flower.

DEFORMED EASTER LILIES.

As to the cause of the Japan longiflorum malady, theories are about as numerous as are the growers. The explanation given by B. Suzuki, of the Yokhama Nurseries, however, seems reasonable and, with his extensive knowledge of the subject, should be the correct one. Mr. Suzuki attributes the whole trouble to the practice of digging the bulbs before they are fully matured, to satisfy the demand for early shipments. He says that no trouble has ever been experienced with the lilies in the fields and no evidence of weakness found in the bulbs when shipped. If the American trade would be satisfied to receive their stock a little later he is confident that the difficulty would disappear. Naturally a dry season is more favorable to early ripening. Last summer was wet and, unfortunately, there were four or five days of heavy rain just at the time of digging. In order to comply with the demands it was found necessary to cut the green stems from the bulbs instead of waiting, as formerly, as sound judgment would dictate, until the stems had died down, and this practice has been getting more general each season for the past four or five years.

In support of Mr. Suzuki's opinion that late-harvested bulbs would give more certain results in Easter forcing, several large growers have acknowleged that there is no advantage in handling the very early stock. H. C. Steinhoff, of West Hoboken, has some longiflorums that will be in full flower for Easter which were not potted until after Christmas and points to two other lots, one planted in September and the other in October, which cannot be told apart.

A New Asparagus.

The plant here illustrated is one of a new variety of asparagus, the progeny of a plant which appeared five years ago in a batch of 200 seedlings. It was the only plant in the lot devoid of a tendency to climb. It only grows six inches high. The seed was taken from a plant of Asparagus tenuissimus and growing near it were plants of A. deflexus and A. plumosus. I think it will prove a valuable plant for fern dishes, as it propagates readily, both by division and cuttings. Last year at Philadelphia it was awarded a first-class certificate of merit and at Boston it was given honorable mention.

WM. THATCHER.

The Spring Season and the Grower.

The spring work of the plant grower is a large subject, so large that but a few phases of it may be considered in a short article, for the duties of the grower seem to multiply with great rapidity as the days grow longer and the increasing sunlight stirs up the plants to renewed effort. In addition to this there is the Easter rush to be considered and the effect that the business of that period will have upon the routine work of the place, for even the best regulated establishments sometimes become irregular when practically the whole force have to hustle to get out orders on time.

Extra help may perhaps be had, but even so the inexperience of the new hands may complicate matters to come extent, and although a most important and profitable part of the year's trade is included in Easter week, it is also a time of much anxiety to the managing end of the business, and there is a feeling of relief when the last load of plants leaves the packing shed that can only be likened to that of a boy when the last day of school arrives before the long vacation. But the growers' vacation by no means begins with the conclusion of the Easter trade, time and space both being too precious at this season to permit of any waste of either, and one of the first duties is to get together the left-overs and to set up the remaining stock so that all available space may be at once put to good use.

As to just what profit per square foot should be realized each year from greenhouse space is still quite an open question and would vary greatly with the locality and value of property that may be used for this purpose, but all will agree that the man who produces the greatest number of crops of good quality from a given space each year is the most likely to come out a winner at the end of the year, provided that his crops are adapted to his market.

To the grower who handles a general stock of plants, the bedding plant trade is the next matter of importance after Easter is past and no time should be lost in spreading out and potting on all stock of this character that may need more room, for a trade can be built up for good, stocky, well furnished geraniums, heliotropes, fuchsias, verbenas and other old favorites, even though there may be someone else who offers rooted cuttings and thumb-pot stock at ruinously low figures. Memorial day finds a market for many such plants among the thousands of flower lovers who may not be able to afford to buy a large Crimson Rambler rose or a hydrangea for cemetery decoration. Flowering plants appeal to the public in the springtime, and a very attractive display may be made with cinerarias, Chinese and hardy primroses, pans filled with English daisies or with pansies, while our old friends, the mignonette and sweet alyssum, find many purchasers when well grown in pots or pans. By well grown is meant not only with a quantity of flowers just opening but also with sturdy and deep colored foliage that indicates a continuance of growth and flower for some time to come.

The Chinese primroses are very showy and also last for a considerable time in bloom when grown in a cool and well ventilated greenhouse, one of the requisites for their successful culture being a rather open soil, it being remembered that in Western China in the one locality

A NEW DWARF ASPARAGUS.

in which the original species has been found growing wild, the Chinese primrose grows on ledges of rock where no soil is found except a sprinkling of disintegrated rock and the decayed vegetable matter from preceding years of growth, and that in such an apparently uninviting location these primroses grow and multiply and flower most abundantly.

Primula obconica is now quite largely grown among winter and spring flowering plants, and, like its relative, P. Sinensis, has been greatly improved by selection and careful cultivation, and has also shown much variation in color. Of the hardy primroses, the common English primrose, P. vulgaris, and the cowslip, P. officinalis, are among the most popular and have also produced many varieties under cultivation, some of the latter being quite distinct in color and size of flower, while others have produced double or semi-double flowers.

Another of the nearly hardy primroses, and one of the most showy of the genus, is the Japanese primrose, P. Japonica, a strong growing species with large dark green leaves and flower spikes that on a strong plant will grow eighteen inches to two feet in height and produce successive whorls of large flowers of dark crimson color. This species is also readily raised from seeds, the latter germinating quite quickly when sown as soon as they are ripe and treated as one would the seeds of the Chinese primrose.

The seeds of all primulas are very small and consequently should be sown in fine and well prepared soil and watered very carefully in order to prevent washing out the seeds or drowning the seedlings. As soon as the seedlings are large enough to be handled conveniently they should be pricked out into flats and protected from the full sunshine, and in due course of time may be potted off into small pots It is advisable to continue to protect the young primulas by means of some light shading material throughout the heat of summer, and to shift them on into larger pots before they become stunted, a good blooming size being grown in 5-inch and 6-inch pots.

The Abyssinian primrose, P. verticillata, was also grown to some extent in this country from twenty to twenty-five years ago, and a very interesting and pretty plant it is, the long and slightly toothed lanceolate leaves being covered with white, mealy powder, and the flower spikes rising to about one foot in height and carrying whorls of bright yellow tubular flowers. This plant seems to have dropped out of sight to a great extent of late years, and would probably be hailed as a valuable novelty by many people were it re-introduced with a proper florish of trumpets as the "wonderful silver primrose, the favorite flower of the King of Abyssinia" or something of that character. But putting levity aside, the Abyssinian primrose is a charming little plant, being both sweet-scented and attractive in appearance, and is worthy of wider distribution.

The cinerarias are now coming into bloom and make a brave showing among the cheaper grade of flowering plants for the spring, the great variety in coloring and the abundance of their flowers giving them favor everywhere. These same cinerarias are gross feeders, owing to the large and succulent growth there is to be supported, and as the flowers are forming it is good practice to keep them well supplied with moisture in the form of liquid fertilizers. Green aphis is also very likely to appear on both primroses and cinerarias at this season, and as neither of these plants stand fumigating with tobacco stems very well it is a better method to apply the nicotine by the milder plan of spreading tobacco stems among the plants. A dusting with snuff will accomplish the same end, but as some of this preparation may remain on the foliage the use of the stems is more cleanly.

Once again there is a loud murmur from various growers that the Easter lily bulbs are defective, and great losses have ensued, the worst case of which I have heard being a loss of about eighty per cent of the bulbs that were planted on the part of a large grower, and is not only a very discouraging, but is also a serious loss from a financial point of view. Another thought that strikes the average observer is the great number of different forms in growth and habit that appear among a houseful of Easter lilies nowadays, some plants many flowered, some few flowered, some broad leaved, others narrow, some dark stemmed and others light, and thus onward *ad infinitum*, until one cannot help harboring the suspicion that the enterprising foreigner has watered his stock, so to speak, with many seedling lilies instead of continuing the slower process of propagating known forms by means of scales, even though the said foreigner may be well aware that seedling lilies are extremely variable.

W. H. TAPLIN.

One of Many.

ED AM. FLORIST:—We find yours a very valuable paper and would be lost without it. Enclosed is another dollar.

ADGATE & SON.

Warren, O.

ASTER LÆVIGATUS AS A POT PLANT.

COLEUS THYRSOIDEUS IN 4-INCH POTS.

AN OLD SUBJECT AND A NEW CLAIMANT FOR POPULAR FAVOR.

Coleus Thyrsoideus.

The accompanying illustration is from a photograph of a group of 4-inch pot plants of the new Coleus thyrsoideus. It will serve to show what can be done with this plant in a short time. The plants photographed were propagated early in October and were allowed to grow to a single stem. If these had been potted up three, four or five to a pot they should have made handsome specimens.

J. D. EISELE.

Michaelmas Daisies in Pots.

There are many distinct species of asters which are included as Michaelmas daisies but, though the original species is very pretty, there are not many that are showy enough to command much attention for florist's work. Even those which might prove useful have generally been grown under conditions which do not admit of the fullest development of their natural beauty, but during the last few years many very pretty garden varieties have been added and there appears to be plenty of scope for further improvement in these useful autumn flowering plants. This fact is now recognized by some of the best English growers, who are looking for fresh subjects with which to experiment.

During the past season asters were a most prominent feature in all hardy-plant exhibits and not the least interesting was the large collection of plants, representing about 150 species and varieties which were grown in pots by an English nurseryman. Of course there were many which proved of little value as pot plants, but from the lot a selection could be made of varieties which may be strongly recommended for florists' work. From the dwarf, bushy, compact varieties to those of a tall, branching habit, they give a good variety and are well adapted for general decorations or for the cool conservatory. Though quite hardy the flowers open better under glass after we get cold or wet weather.

The following is a good selection for pot culture. Many more might be added, but those named have all proved of great merit. Those of the A. Novæ-Belgii section keep up a succession of flowers longer than others and also give a good variety of colors. The varieties are: Irene, Perle Lyonnaise, Arcturus, St. Patrick, R. Parker nanus, W. Marshall, Cottage Maid, Florence, Nancy, Calliope, Maidens Blush, Janus, Decorus, White Spray, Minerva and Formosissima. Good sorts of the A. Novæ-Angliæ section are Precocite, Mrs. J. F. Raynor, W. Bowman and Perchellus. Other good sorts are Tradescantia, Coombe Fishacre, paniculatus blandus and lævigatus.

For pot culture plants with single stems, or at most two stems, should be selected. They may be potted into the flowering pots early in the season. Good loam, stable manure and a good sprinkling of crushed bone should be used and the potting should be firm, leaving plenty of room for watering. A good size is 8-inch or 10-inch pots. Plunged in the ground and given plenty of water they will give very little trouble. After they are well established manure may be used freely. The earliest come into flower early in September and a succession may be kept up nearly to Christmas.

A. H.

THE California privet, Ligustrum ovalifolium, is enjoying steadily increasing popularity as a hedge plant and many nurseries report large demand for it.

Commercial Orchids.

[*Read by James Goodier, of Toronto, before the Canadian Horticultural Association.*]

There are some 6,000 species and varieties of orchids known to cultivation, but out of this number two dozen distinct kinds are about all the ordinary florist could hope to get profit from. A number of these could be grown in the least useful space in his houses, although to secure the best results they should be grown in a house by themselves.

Cattleyas, when well grown, come easily first as being the most profitable. About seven varieties are all that are required to give a succession of flowers for most of the year. Success depends entirely on a healthy and vigorous root action, and this is only attained by close attention to the ripening of the bulbs and careful watering. Proficiency in this respect is gained solely by practical experience; theory is of little use in orchid growing.

The first cattleya that was introduced was Cattleya labiata. This variety throws out its flowers in late summer and fall. Cattleya Percivaliana generally comes next in season, but if not kept pretty warm in winter it has a tendency to rot its flowers in the sheath. Cattleya Trianæ, C. Mendelii, C. Mossiæ, C. Gaskelliana and C. gigas all will follow more or less in rotation. Any florist having a few hundred of each of the above varieties should have no difficulty in producing flowers the year around.

The first five cattleyas named require about the same treatment. They like a plentiful supply of water at the roots when making their growths or bulbs, but as soon as the bulbs are completely made up, they must be rested by gradually withholding water altogether from

them, until such time as the bulbs are noticed to be slightly shriveled. Then each plant should receive a good soaking at the root and no more water till they appear to shrivel again. A man accustomed to cattleyas can tell at a glance when walking through a house which plants need water and which do not, without looking at the soil in the pots at all.

In the course of a few weeks the bloom will be seen to be pushing up in the sheath. Then the plants should receive more water until the flowers drop or are cut, after which they will require the same treatment they got before commencing to bloom for some time; then they will start to make the bulbs for their coming season's flowers.

Cattleya Gaskelliana and C. gigas are somewhat different from the above varities, for they commence to flower before the new bulbs are completed, but by the time the bloom is over the bulb is ripe and the plants will take a rest of six months or more before commencing to grow again. This ripening and resting thoroughly is the means of producing flowers, and also a greater number in each sheath, besides keeping the plants in better health, and will often prevent what is called second growth. But should these appear it is better to ignore them altogether; just treat the plants as though they were not there at all, for if these growths are encouraged they will soon play the plants out.

Under such treatment as I have here described I have had as many as eight large blooms from one sheath of Cattleya gigas and often six from C. Gaskelliana, and these from plants that had been under cultivation in the same greenhouses for upwards of ten years. Now, I have been told that we fellows from the old country keep cattleyas much too dry, but I have experimented more than once (besides witnessing the performances of others) by giving them a plentiful supply of water from the hose at all times, and found that they made very good growth in summer but never seemed to flower freely, and in a year or two they deteriorated so much that the dump was the best place for them.

Some growers have great success growing cattleyas on boards, others in baskets or cribs, but for the general florist pots or pans are the best, because they can be kept under better control and are more easily handled, besides always being ready for sale when a customer comes along.

The material for potting varies according to the grower's fancy, for some growers prefer leaf soil alone, others sphagnum moss, and some use peat and moss mixed together. I find three parts peat to one of moss answers very well. In potting raise the base of the plant a little above the rim of the pot. Always use as small a pot or pan as possible, and pot rather firmly. Always try to get the leads to face one way, for then, as the leads grow over the side of the pot and the plant needs repotting, the useless back bulbs can be cut off and it can be put back into the same size of pot, so avoiding over-potting, which cannot be helped if one lead runs one way and the other in the opposite direction.

Some varieties want potting just before they flower, others after they have flowered, but the best and safest time to pot, if it is needed, is as the young roots are pushing from the base of the new bulbs If work is too pressing when a plant needs attention, and the roots get too long, it is better to let it go for that season, for if any attempt is made to bury the roots that have been exposed to the air they will surely die, and the plant will receive a check. Potting or disturbing at the root too often must be avoided, for, if a plant is well potted, it should continue in good condition two or even three years. Most cattleyas have a tendency to roam over the side of the pot. If they should get too long it is as well to cut off the back portion and lay the stems on damp moss. A nice lot of young plants may be raised in this manner, if it is needful.

To establish newly imported plants the best way is to place them in pots filled with crocks and charcoal. Drive in a small stake, tie the bulbs neatly to it and give them lots of water. Soon roots will begin to run through the crocks; then is the time to place some good peat and moss firmly on the top of the crocks. If this were done earlier the material would get sour with the quantity of water that is often needed to plump up imported cattleyas.

Lælias seem to like much the same treatment as cattleyas, but require more moss to root into. Lælia purpurata is a fine, bold flower. It makes its growth in the fall and early winter months, but usually comes into flower for the June weddings. Lælia autumnalis flowers about the chrysanthemum season and, like Lælia anceps, with its fine, long stems, cannot be beaten for cut flower work. These two latter varieties do best in baskets hung from the roof of the house. In their growing season they like to be syringed pretty freely, but after the flower is cut they take a long rest and the moisture in the house is usually enough to keep them going.

There are quite a number of the cypripedium family that are suitable for the florist, but six varieties are about all he will need. Cypripedium insigne, C. Spicerianum, C. Leeanum, C. Harrisianum, C. barbatum and C. villosum are all pretty common and of easy culture. Being terrestrial they do best grown in pots. The potting compost should consist of good, fibrous loam, peat and moss. The bases of the growths are better placed below the rims of the pots; and in watering use the same judgment as when watering a palm; avoid giving too much or the soil will sour, thus causing the roots to rot. But they must not be allowed to ever get too dry, for they have no bulbs to store anything away in for a dry period, like a cattleya. They flower best when pot bound.

Cymbidium Lowianum and Cymbidium eburneum also do best under the same treatment as cypripediums, and their great lasting qualities should give them a place. Cœlogyne cristata is all right as a white flower, but it fails to last long when cut. It is a plant that takes water copiously when growing, and not so much when its bulbs are completed.

Vanda cœrulea, one of the few blue orchids we have, is a grand thing and seems to do well under cultivation. It should be placed in a pot of crocks and charcoal, with a layer of moss on the top, and if it gets the syringe among the stems and roots every day during summer it will thrive and flower well.

Lycaste Skinnerii is fine as a pot plant and does well for decorations when in bloom, its lasting qualities are so great, but it appears to bruise very easily. It succeeds well in good peat and very little moss, but in winter must be kept dry or it will soon be ruined by a disease called black spot.

Oncidium varicosum and Oncidium tigrinum, with their beautiful and taking yellow flowers, seem to be of quite easy culture They do the best grown outside during summer, behind a north wall, on a slat stage with a light canvas shade to protect them from the sun. In the winter they should be grown among the cattleyas and kept quite dry at the root.

Odontoglossum crispum and O. Pescatorei do well under the same treatment in summer as oncidiums, but should be wintered in a fern house, and must not be allowed to get too dry at the root. A mixture of fibrous peat and moss with a little charcoal suits these cool orchids best.

Of the dendrobes perhaps Dendrobium Phalænopsis is the best for the florist. It succeeds well hung on the roof, grown in very small pots or pans with a little peat and moss, and should seldom be disturbed at the root. The frequent use of the syringe will give it all the water it requires during the summer. In the winter it needs a very long rest, and must be hung in some dry, sunny place. In the spring, when it commences to grow, it should have a little moss pricked in among the roots, which will help it for the season. It flowers freely from both old and young bulbs.

Dendrobium formosum with its white, cattleya-like flower, is very useful for designs and requires the same treatment as D. Phalænopsis, but it degenerates very much under cultivation and must be periodically renewed. The good old Dendrobium nobile is still among the first for button-hole work, but in this country it is seldom seen to perfection. The heavy firing for so many weeks in winter seems to play havoc with it. Endeavor to keep the roots healthy or it will be a sure failure. It makes good growth in either pots or baskets, and seems to like peat and moss mixed with charcoal and broken crocks to root into. To flower the plants successfully the bulbs must be well ripened by wintering them in some cool, dry, sunny place.

Should the florist go in for raising crotons and dracænas or other stove plants, I advise him to try a few plants of Dendrobium Phalænopsis, for in such a temperature as these plants desire this dendrobium thrives finely. The plants do well grown in baskets hung on the roof. The baskets should be filled with crocks and charcoal and a layer of sphagnum moss on the top; avoid watering overhead or they will soon rot off at the collar, but they need to be kept wet at the root while growing or flowering, after which they are better on the dry side, only enough water being given to keep the leaves plump. When the new leaf first appears, which will be about the month of May, the plants should have all the old moss picked out from them and the dirt washed well out of the crocks with the hose. A little fresh moss is placed around them and they are then all right for the summer, but on no account should they be disturbed till the young or new leaf makes an appearance. Give D. Phalænopsis a night temperature of 70°, with lots of moisture. Give no air in the daytime till the thermometer stands at 90° and they will pay as well as any orchid grown, with perhaps the least trouble.

The house best suited for orchids is an even span roof with top and bottom ventilators There should be an open lath or slat stage in the center of the house, built in the shape of steps or tiers, and just high enough to see each plant comfortably from the path. Cattleyas do far better on a stage of this description than

A WREATH OF SPRING FLOWERS.

they do it hung from the roof near the glass. The summer seems to be too hot to grow them in this manner with satisfaction in this country. Around the side of the house an open slat stage should be built, which is suitable for cypripediums, etc. In winter time, when there is heavy firing, the house should be damped with the hose twice a day, between the pots and under benches, but in summer time, when the fire is out, once a day is usually enough. The best time to use the hose is in the afternoon, between three and four o'clock. A night temperature at all times from 60° to 65° is right.

In giving air make the most use of the bottom ventilators. Never open both top and bottom ventilators at the same time, for if this is done the moisture is driven out at the top, and this moisture is what is wanted for success in orchid growing. The top ventilators may be used with advantage at night during summer, as it is a good plan to give a chink of air from the top an hour or two after the house is closed in the afternoon. This may be left on till morning. Avoid the use of cement paths or floors. There is nothing better than ashes.

Now, the obstacles the florist will have to contend with will be many before he will be able to make a financial success of the venture. It will take a large amount of capital to fill a 100-foot house. To secure a first-class professional grower will be found another difficulty, although there are very few florists looking for a position who will admit that they do not understand orchids. Yet I see no reason why ninety-five per cent of each of the species I have here written about should not do well in this American climate, and increase in size year by year. If what I have attempted to describe is followed, the returns from such a house ought to be equal to the same space devoted to any other class of plants and be a good source of income without any additional outlay for years after the first expense.

The great time the flowers will last on the plants in good condition is much in their favor, for they can be left till the demand arises for them. If the retail florists knew where orchid flowers are always on hand they would be able to dispose of a greater number than they do as it now is. Most orchids want to be open a full week before being cut, for then they are better developed, better colored, they stand better, ship better, and give better satisfaction generally.

Boston.

ASSOCIATION OF GROWERS HOLDS HIGHLY SUCCESSFUL CARNATION EXHIBITION.—EXHIBITORS AND PRIZE WINNERS.—TRADE FAIRLY ACTIVE — PROSPECTS FOR A VERY BUSY EASTER —EDGAR HAS NOVELTIES.—PIERCES EMPLOY LABOR SAVING DEVICES. — VARIOUS NOTES OF LOCAL DOINGS.

The annual exhibition of the Co-operative Flower Growers' Association, which was held at the Park Street Market on Saturday, March 8, brought out a superb display of carnations, among which were all the important novelties of the New England growers for this season. Among the largest exhibitors was Peter Fisher, whose Enchantress, which took a first prize; Gov. Wolcott, which took a second prize, and Mrs. M. A. Patten, were the only three seedlings scoring enough points to entitle them to a certificate. The score was: Enchantress, light pink, 97 points; Wolcott, white, 96 points, and Mrs. Patten, striped, 95 points. As a light pink, Enchantress was simply unapproachable. Mrs. Lawson, as shown by M. A. Patten, was of a quality never excelled and seldom equalled. Mr. Patten also showed Gov. Wolcott, Morning Glory, Lorna and Gov. Roosevelt, each of the latter three taking a first prize, and Marquis, which took a second prize. Wm. Nicholson showed Floriana and a fine collection of standard varieties. Geo. E. Buxton won first with his Mrs. Bradt and G. H Crane, and also showed Lawson and Marquis in good shape. L. E Small was second on Crane and E. Cartwright on Flora Hill. Other exhibitors of standard varieties were Paul E. Richwagen, S. J. Goddard, J. H. Leach & Son and Coolidge Bros Among the new things, C. Warburton's Cressbrook, showed up well. S. Littlefield showed Goodenough, white; A. Roper, Fair Maid, light pink, also a scarlet and a striped seedling; M. L. Tirrell, Liberty, cerise; Geo. Hemingway, King Philip, deep cerise; Mrs. Geo. Butterfield, Vesuvius, scarlet; W. S. Nichol, Wild Rose; Sam. Wheeler, a white and cerise seedling; J. H. Newman, a white seedling; J. H. Leach & Son, a pink and a light pink seedling, and C. Cummings, a pink seedling. Norris F. Comley made a display of violets, unprecedentedly good, which brought him first prize on Imperial. Mr. Sim was also a large exhibitor of violets, winning second prize with La France. John R. Comley, E. F. McGrady, G. W. Ayer, J. S. Philbrick and J. S. Smiley were well represented in the violet displays, the latter taking second with Campbell. Robert Montgomery received first prize for Bride roses. E N Pierce showed mignonette and S. J. Goddard antirrhinums. L. H. Foster exhibited his improved form of Boston fern in fine shape. Among the visitors were J. A. Valentine, Denver, Col.; Judge Hoitt and G. E. Buxton, Nashua, N. H.; A. H. Lange, Worcester; C. Warburton, Fall River; E. O. Orpet, So. Lancaster; A. Jahn, New Bedford.

Trade reports from this vicinity, taking the entire field of plant growers, flower growers and retailers, indicate that business throughout New England is holding its own and that in most lines aggregate sales are fully up to the record of corresponding date in recent years.

The promise is bright for a spring trade of enormous volume and there is no doubt expressed as to the results of the special Easter demand in either plants or cut flowers, although in the latter line it is generally accepted that comparatively low prices will prevail. The decrease in the values of most cut flower stock during the present month, as indicated in our price quotations, is quite heavy but, is in the main, legitimate and shows only the natural result of the advancing season and the consequent acceleration of the product. During the stormy days of last week general buying was very light, but the visit of Prince Henry of Prussia gave a lively impetus to local trade in the finer lines of flowers and helped out on the situation generally, besides affording our ambitious retailers an opportunity to exploit the flower trade publicly, which is always a good thing for business if done conscientiously and with some regard for the truth. This week, with better weather, the buying is well distributed and most of the stock coming into the market finds a buyer of some kind. Those growers who make Easter plant growing a specialty confess to have already accepted about all the orders they can safely undertake to fill and are disposed to hold back from soliciting any more Easter business for the present.

E. N. Pierce & Sons have in operation a sort of cable car system whereby lilies and other plants are taken from the benches and loaded on wagons with great rapidity. Each house in their range opens into a long, straight shed, through the entire length of which runs a flat car propelled by a cable worked by steam power. Through the center of each house is a track on which runs a small hand car on which plants are placed as removed from the bench and transferred to the door where the large car takes up each load as ready and delivers all at the wagon shed at the end of the long shed, where there are facilities for loading six teams at the same time.

Among novelties at W. W. Edgar's is Astilbe Gladstone. This recent introduction is a very graceful plant, a remarkably precocious forcer and well worthy of wide cultivation as an Easter specialty. Mr. Edgar has discovered among his seedling ferns a green form of Pteris Mayii which is much superior to the common little crested variety. Metrosideros is in full bloom three weeks ahead of last year, when it was brought into flower for Easter only with much difficulty. Mr. Edgar's explanation of this variation in its behavior is that the hot summer and consequent early ripening of the wood last year made the plants better subjects for forcing.

Anderson & Williams are still in the advance guard of the lucky rose growers of this section. Their Bride and Bridesmaid roses have the faculty of coming in right at the time when other growers are off crop. They have just completed the tying down of several large beds of Kaiserin roses for summer blooming.

On March 8 J. Woodward Manning gave a lecture, illustrated with fine stereopticon views, at the Town Hall, Arlington, on the care and the value of shrubs and trees on the highway. W. W. Rawson presided.

The American Park and Outdoor Art Association will hold its annual convention at Boston next August. A very comprehensive programme of lectures and essays is in preparation.

Messrs. M. H. Norton, F. R. Mathison, W. W. Edgar, P. Welch and W. J. Stewart have gone to New York to attend the meeting and exhibition of the American Rose Society.

At the monthly meeting of the Gardeners' and Florists' Club of Boston on Tuesday evening, March 11, W. N. Craig, of North Easton, gave an interesting talk.

Henry Penn is branching out and has now opened a conveniently located flower store at 43 Bromfield street.

Chicago.

TRADE ACTIVE —GOOD DEMAND FROM OUTSIDE —STOCK WELL CLEANED UP AT FAIR PRICES. — PROSPECTS FOR EASTER. — WHOLESALERS ADOPT UNIFORM PRICE LIST —CLUB MEETING —THE WITTBOLDS BEGIN UPON A FINE NEW ESTABLISHMENT. —LILIES EXPECTED TO BE SCARCE.— VARIOUS NOTES OF INTEREST.

Business has been excellent in this market this week, although the local retailers have not been particularly busy. There has been an excellent demand from outside, and the daily receipts have been well cleaned up in almost all lines. There has been a good demand for American Beauty, the call exceeding the supply except with regard to long-stemmed stock. Most of the cut seems to be either very long or very short. There is a prospect of a good supply of long for Easter, with hardly any medium lengths, and these are always the ones most in demand. The receipts of Brides and Bridesmaids have increased somewhat, but growers say that the plants are generally going off crop and that there is no prospect of an extrmely large cut for Easter, even should the weather be favorable, and several contingencies might serve to reduce the supply materially. The demand has continued for white stock, and Bride roses have shared popularity with white carnations. The receipts of carnations are not particularly heavy at present, but there are large quantities of colored stock which drag a little. With bright weather in the ten days preceding Easter, there should be all the carnations the market requires for that event. During the past two weeks there has been a good demand from outside sources for large lots of carnations at cheap prices, which has served as an outlet for a good deal of material which the street fakir has handled in the past. Bulbous stock in general is doing as well as one could reasonably expect. Tulips and daffodils seem to have a little the better of the demand. There are still large quantities of lily of the valley available, and calla lilies are in extra supply. In greens there seems to be enough of everything except adiantum, although the visible supply of ferns has been so reduced that the wholesalers are quoting $2.50 per thousand this week and will make it $3 for Easter.

The attraction at the Florists' Club meeting, March 12, was a splendid vase of the new rose, Ivory, from the American Rose Company, Washington, D. C. Anton Then exhibited two pans of Japanese longiflorum lilies. The plants were dwarf but attractive and received the two customary premiums. The same exhibitor had on view some seedling carnations, among them a rather interesting mal-formed variety, a seedling from the white Bradt, in which it is characteristic that two flowers develop on the same stem, one above the other, after the manner of arrangement of the flower clusters in hose-in hose polyanthus, but closer together. August Jurgens exhibited well grown lily specimen and some badly deformed samples of Japanese longiflorums, his loss in which has been about eighty-five per cent. In the plants that turned out good Mr. Jurgens found that the narrow-leaved variety produced the best stems and flowers. The broad-leaved variety produced dwarf plants in which the somewhat deformed flowers stand up almost straight.

The George Wittbold Company has let the contracts for the erection of its new range at Edgewood, on the St. Paul R. R., eleven miles from Chicago, where they have recently purchased thirty acres of land. As a beginning three houses will be erected, 27x300, with a boiler shed 25x54 of brick and stone, with quarters for the employes in the second story. A six-room cottage is also going up for the occupancy of Otto Wittbold, who will have charge of the new place. There will be a side track to the boiler house and nearly half a mile of roads are being made. It is proposed to have everything in the most modern shape and considerable money is being invested for the purpose of growing stock to large sizes. Incidental to this enlargement of the Wittbold business, the capital stock of the company is being increased from $48,000 to $75,000.

The Wholesalers' Association had a meeting Tuesday to which a committee of the Retailers' Protective Association came with the request that the wholesalers confine their sales to those in the trade. The matter was taken under advisement. It was the opinion of the meeting that the association members should publish a uniform price list. It will be found in this issue. It is official. What slight variations may be found in the lists in the advertisements of the members are due to the advertisements being already in type when the association's action was taken, too late to re-set the ads.

C. A. Samuelson is having frequent calls for table centerpieces of Prosperity carnation. He finds it appreciated for its unusual coloring, large size and splendid keeping qualities.

The new houses which Albert Amling is about to erect for asparagus growing will be twelve feet to the gutter, and it will be one of the most remarkable ranges of its kind when completed.

John Zeck, of J. A. Budlong's, was laid up with a sprained ankle last week and is now hobbling about on crutches, with a prospect of needing their assistance for some little time to come.

Henry Payne, at Hinsdale, will replace roses with asparagus next year and his output will consist almost exclusively of greens, Asparagus plumosus, Sprengeri, adiantum and smilax.

Flint Kennicott, president of the Kennicott Brothers Company, has been confined to his home for the past few days by inflammatory rheumatism.

Vaughan's Seed Store has been handsomely redecorated, the seed cases re-arranged and some new ones added for the season's business.

W. N. Rudd has been appointed local manager of the coming exhibition of the Chrysanthemum Society of America.

Frank Garland says that Cottage Maid tulip is the one item of bulb stock which is "hanging fire" this season.

Louis Gresenz of Bassett & Washburn, is building a three-story stone and brick flat on the north side.

Bassett & Washburn shipped a nice lot of carnations to Toronto Wednesday for the club show there.

Visitor: Chas. Siebrecht, of Winona, Minn.; B. Eschner, of M. Rice & Co., Philadelphia.

New York.

CLUB HOLDS AN INTERESTING SESSION.—PLUMB RESIGNS SHOW MANAGEMENT.—GOOD CARNATIONS SHOWN.—CUT FLOWER BUSINESS LAGS A LITTLE.—NO HEAVY CROPS IN SIGHT.—A BATCH OF PERSONAL AND TRADE DOINGS.

The monthly meeting of the Florists' Club was held at the Elks Hall on Monday evening, March 10. The session was devoted mainly to committee reports and other routine work and adjournment came earlier than is generally the case. The resignation of Wm. Plumb as manager for the Madison Square exhibition because of the state of his health was the principal item of the meeting. Mr. O'Mara, as chairman of the exhibition committee, discussed the emergency caused by the unexpected event and explained that it had been thought wise to now separate the proposed trade display from the horticultural section and place the work of arranging therefor in the hands of someone who would undertake the job on the basis of a percentage of the proceeds from the sale of space. As the matter of a proposed joint participation in the exhibition by the National Sculptors' Society is progressing favorably it was deemed best to defer for the present the selection of a general manager. The beefsteak dinner committee reported sufficient receipts to cover all expenses and were duly thanked and discharged. On the table was a vase of Governor Wolcott carnations from Peter Fisher, Ellis, Mass., which was greatly admired and to which the committee awarded 87 points, and the club gave a special vote of thanks. A box of Carnation Mrs. Potter Palmer, from the Chicago Carnation Company, intended for this meeting did not arrive in season. Messrs. M. H. Norton, P. Welsh and W. W. Edgar, of Boston, being present, were each called upon for a few words and Messrs. Wallace and Stewart rehearsed for the benefit of the club their experiences at Asheville the previous week, dwelling upon the good-fellowship and hospitality shown by everyone with whom they had come in contact in the south.

Cut flower business is very light this week and aggregate sales will be considerably less than for last week, notwithstanding the weather is much more advantageous for shoppers. It has been the rule in previous years that sales would fall off two or three weeks before both Christmas and Easter, so the present situation is not unexpected and it is not likely that there will be any appreciable revival until the actual Easter demand begins to develop. It is fortunate that in roses, at least, there is no excessive crop on; neither is there any great overstock in sight for the immediate future. The rose show has used up a certain percentage of the very fancy blooms but they are not seriously missed as it seems to be the experience of retailers generally that buyers are disposed to pass over the extra grade stock in favor of the medium quality in the Bride and Bridesmaid classes.

The occasion of the dinner to Prince Henry by Mr. and Mrs. Cornelius Vanderbilt gave J. H. Small & Sons an opportunity to display their taste in the floral decorations, which were very choice but not ostentatious. The decorations of the drawing room consisted of various choice roses, orchids, etc., in vases, and in the dining room red camellias were the only flowers made use of.

August Millang has leased the salesrooms which the New York Cut Flower Exchange has occupied for many years, and will continue it as a market in the same manner as heretofore, after the removal of the old association to their new salesrooms on Twenty-sixth street.

John H. Taylor gave the Boston visitors at the New York Florists' Club a ride in his automobile. It is said that Alex. Burns is looking up the price of these strenuous vehicles and will soon be the purchaser of one.

It is planned to have part of the block between Eighth and Ninth streets facing Fourth avenue made into a public park. There will be a suburban station at this point. The estimated cost of the property is $600,000.

Daly Brothers have bought the A. B. Murray place at Paterson, N. J., and will take down and remove the houses to Granton, where they will be re-erected and added to the large range of glass already there.

On Tuesday a section of ceiling at the salesroom of the New York Cut Flower Company fell down, but fortunately nobody was hurt. A lot of azaleas belonging to H. C. Steinhoff were ruined.

The market florists had their spring meeting for the rental of space at Clinton market on Tuesday evening, and the usual representation of plant growers was present and secured space.

Charles Schenck, of Traendly & Schenck, is suffering from a serious case of blood poisoning.

Philadelphia.

WEATHER STILL AGAINST RETAIL BUSINESS AND ALSO RETARDS PRODUCTION—GROWERS PUSHING BACKWARD STOCK.—LILIES A SHORTAGE.—LOCAL ROSE GROWERS MAKE A HIT.—VARIOUS NOTES.

There has been little, if any, improvement in the situation the past week. The weather has been wretched, first snow then rain, then more rain, and while this state of affairs was hard on the growers and kept the supply down, it also made it hard to sell the few flowers that were carried in stock. Prices have weakened a trifle on the best grades, while the lower qualities can be had at the buyers' price, if any considerable quantity is wanted. Prices range as follows: Beauties specials $6 per dozen; teas $8 to $10 per hundred; carnations $2.50 to $3 per hundred; violets 50 cents per hundred for doubles. Eisenhart is sending in some fine Lady Campbell. Bulbous stock is still plentiful; $2 to $3 is the price, with even lower figures on large lots. All hands are looking forward to Easter with anxious eyes. This is the critical period for the grower and house after house can be seen in which the thermometer registers away up and it fairly takes one's breath away on entering, the atmosphere is so stifling. Hydrangeas and lilies are the principal laggards. So many lilies have been thrown out the past season that even at 12 cents, the price most growers are asking for the flowers, it is a question whether many of them will come out whole on this important item of their stock.

Some of the rose growers of this neighborhood had a tussle with their New York brethren at the exhibition of the American Rose Society in the Berkeley Lyceum this week and, as usual, came off victorious. A vase valued at $250 and $50 in cash for fifty roses is something worth having, and Mr. Fahrenwold is to be congratulated on his success. Mr. Mortenson also wears a seven by nine smile, as his vase of Liberty distanced all the others, and there was some pretty fancy stock against him.

A few of "the boys" paid a flying visit to Baltimore last Monday to have a friendly match at tenpins It doesn't matter about the result, only we must say that a more whole-souled set of fellows does not exist anywhere. From the time one arrives until duty calls and he is reluctantly obliged to depart it is one continual round of hospitality. The Baltimore boys are certainly all right.

Harris has commenced the delivery of his shamrocks. They are certainly fine, showy plants and those in the shamrock-shaped pots should make a hit. K.

Cincinnati.

BUSINESS SHOWS LITTLE CHANGE.—SOME OF THE PECULIARITIES.—CLUB DISCONTINUES ITS EXHIBITIONS.—A NEW WHITE CARNATION.

Trade conditions remain about the same as at last report, with an abundance of bulbous stock on hand, a great deal of which finds its way to the barrel. It is a very strange thing with violets. One day there are not nearly enough to go around and the next there are plenty of them left over after the day's business is done. At present writing there are a fine lot of Princess of Wales on the market. Considering the great amount of roses and carnations received, they are cleaned up pretty well every day, particularly Bride and Perle roses and white carnations, which no doubt we can attribute to an unusually large amount of funeral work. Some extra choice Bridesmaid roses are coming in from Carl Schweitzer, which find a ready sale. His Marquis and Flora Hill carnations are also very good. This is Carl's first season of growing cut flowers and he is well satisfied with results.

At a meeting of the Florists' Society Saturday night it was decided to discontinue the monthly exhibitions, owing to a lack of interest on the part of a majority of the members. The work of arranging for the exhibits has always rested on a certain few, who devoted their time and money to the cause and are getting tired of it and want other parties to take hold now and continue the exhibits next season. Upon motion of J. W. Rogers the chair appointed Ben. George a committee of one to procure a photo of the late Edwin Hoffmeister and have the same enlarged to hang in the clubroom of the society. J. A. Peterson and Julius Schuman have resigned as members of the society.

C. C. Murphy has sold the entire stock of his white seedling carnation to Wm. Murphy, who will disseminate the same in another year. This seedling, a cross between McGowan and Bridesmaid, is the best white carnation received by the Cincinnati Cut Flower Company for the past two seasons, being a large double white on a good stiff stem, and the writer has to see the first bursted calyx. Will Murphy says he has 30,000 plants to put out as soon as the weather permits.

Ed. Foster, with Sunderbruch's Sons, received an order last week from Mexico for a bouquet of ninety American Beauty roses to be sent to a lady in this city who was celebrating her ninetieth birthday anniversary. It was a hummer and all one man wanted to do to carry it.

All the growers are expecting to do a large Easter business and are getting their stock in shape accordingly. D.

THE AMERICAN FLORIST

SEVENTEENTH YEAR.

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Advertisements on all except cover pages, 10 Cents a Line, Agate; $1.00 per inch. Cash with Order.

No Special Position Guaranteed.

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cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

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-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., Chicago.

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THE Philadelphia spring show is to be held March 18 to 20.

THE expected advance in window glass has not yet materialized, but the tendency is toward stiffer prices.

THE design makers who have used gauze ribbon say that it is a most desirable addition to the list of supplies.

THE State Horticultural Society of Wisconsin has asked the state World's Fair Commission for an appropriation of $2,500 with which to make an exhibit at the St. Louis exposition.

THE latest is an automobile hothouse constructed for Baron de Rothschild for transferring plants from his country place to his residence in Paris, a trip which took two days by wagon.

ONE grower of early-delivered and late-delivered lily bulbs says that he has practically the same result with each. Does he know positively that the bulbs which he received were dug late in Japan? Even the lots received in this country by dealers are sometimes held until the close of the season, when they are sold out cheap as "surplus stock." Careful investigation of all these cases, with exact information regarding each, is really needed that right general conclusions may be established.

A Necessity.

ED. AM. FLORIST:—I am sending a dollar; please renew my subscription. Your paper is one of the items that an up-to-date florist cannot do without.

Anacostia, D. C. A. B. GARDEN.

Chicago Market Rates.

The Chicago Wholesale Cut Flower Association has adopted a price list for Easter, it being the opinion of the members that their lists should be uniform, since they all endeavor to sell "at the market." The official list appears on page 277 of this issue. Such slight variations as may be found in the lists of the several members are due to their being already in type when the association took action, too late to permit of re-setting all the advertisements.

Sterilization of Soil.

In a recent report of a paper read by Prof. George E Stone I note the above subject is treated of again. The Professor's remarks are very interesting, but the florist should note that he is talking from the standpoint of the lettuce grower—that is, the man who farms under glass.

It will be noted that the professor says: "In some cases freezing or drying the soil is effectual but it is not easy to freeze the soil in the greenhouse without removing it," etc. This may well apply to the lettuce grower who uses the same soil year after year, simply with the addition of manure, but the florist who commonly removes and renews the soil each year should not be misled by experiments made under different conditions.

Careful experiments have demonstrated that the eel worm which is so destructive to roses, is killed, both adult and eggs, by thorough freezing. It would seem, therefore, that the florist who commonly composts his soil outside, the fall before use, could destroy this pest by so arranging the pile that frost would penetrate to every part of it.

The writer, without having positive knowledge, is inclined to believe that contamination commonly takes place from the soil in pots in which the young roses are grown. If such is the case it becomes a question how much good sterilization of the main body of the soil will do. In the meantime it behoves the florist not to be led into this extra expense by results of experiments made under different conditions and for other crops. B.

Beauties for Easter.

ED. AM FLORIST:—Will you kindly tell me whether a house of Beauties cut back about a week before Christmas can be brought in for Easter? They were dried off and gradually run down to 32°. The shoots were about a half-inch to one-inch and a half in length in mid-February. Would it be a good plan to pick off the shoots? What temperature would be needed to get them in? H. A. D.

These Beauties, cut back as above described, would not produce long-stemmed flowers for Easter in the time given. It would be better to take off the buds of the short stems now being produced and save all the healthy foliage possible. This will help the plants to more active root action, which, in turn, will make the plants push up more vigorous shoots, particularly from the base. These will produce good flowers with fair length of stem. Gradually increase the temperature to normal and water as required. JOHN N. MAY.

Healthy Beauties But No Bloom.

ED. AM. FLORIST:—Will you kindly inform me through your paper why a bench of American Beauty roses with perfectly healthy foliage and roots, free from spot and spider, should fail to produce first-class flowers? The temperature has on several occasions been down to 50°. Should this make such a difference? C. T. M.

There is nothing strange about the action of these American Beauties, as with so much cloudy weather as we have had the past winter they are very apt to produce long, blind shoots or more strictly speaking fail to set buds on such shoots till they are very long. The only remedy is to tie them down at the bottoms, turning the tops up straight again, and wait until they will set buds, which will be as soon as the sun gets more power and the days are clear and bright to make the wood firmer. The low temperature has nothing to do with their failure to set buds, though of course as nearly an even night temperature as possible is preferable for nearly all roses forced in winter. JOHN N. MAY.

Arrangement of Piping.

ED. AM. FLORIST:—I have two attached houses, one 20x90 and ten feet to the ridge, the other 18x100 and eleven and one-half feet high. The land slopes to the northeast and the houses are built with a fall of eight inches. The boiler is one having nine sections connected on the top by a 9 inch pipe or header. It is placed on the highest part of the land, so that the header of the boiler is about nine inches higher than the top of the gutter between the houses. Two 4 inch pipes rise from the header for four feet and enter each house just above the middle of the doorway, where there is a 4-inch tee pipe, the tee being the width of the door frames. The 2-inch flows branch off at right angles to the tee, or cross piece, and drop alongside the door frame for four

feet ten inches, then along the edge of the house till they reach the sides, where they follow the slope of the gutter. At the boiler end of the houses the upper flow pipe is more than one foot below the header and the other is four inches lower. Each of the outside flows has three 1½-inch returns and the inside flows have two 1½-inch returns, all carried on the sides. Both houses are piped alike. I would like to know if it is piped properly. I am told that it is the work of an expert but I don't think I am getting the heat I ought to for the quantity of coal used, as I can hardly keep the houses above 40° in zero weather. Would I get better results if I carried the flows along the purlins, allowing a fall of about eighteen inches, and let the returns remain on the sides? Would it give me still better results if I lowered the boiler, say three feet, and carried out the above plan? I find I can raise the flow pipes in one house about eighteen inches. Would it make any difference in the temperature of the houses if I piped one with a downward flow and the other with an upward flow and would it be advisable?

F. M.

The temperature desired is not stated but for 60° in mild weather or 55° when it drops to zero the amount of radiation is ample, if, as is understood, there are two 2-inch flows and ten 1½-inch returns in each house. Raising the flow pipes as proposed would aid the circulation, but unless a closed system is used would hardly keep it above 50° in zero weather. If the boiler could also be lowered three feet as proposed, it would give even better results, provided this is enough to bring the lower end of the returns above the header on the heater. Running the pipes down hill is preferred, with the pipe to the expansion tank connected to the highest point of the flows.

L. R. TAFT.

Greenhouse Building.

Pueblo, Col.—G. Fleischer, three houses 20x65.

Alameda, Cal.—Galloway's, one carnation house.

Grand Island, Neb.—Brewster & Williams, house 18x116

Westerly, R. I.—W. W. Foster, four houses.

Greenwood, Mass.—R. L. Pitman, one house.

Manchester, N. H.—A. G. Hood, range of houses.

Dighton, Mass.—Chas. S. Chase, house 20x55.

Wickford, R. I.—Peter S. Byrnes, one house.

Edwardsville, Ill.—J. F. Ammann, range of houses.

Redondo, Cal—Redondo Floral Company, range of 15,000 feet.

Danville, Ill.—W. J. Anker, house 20x84.

San Francisco, Cal—Kessell & Baalborn, four houses 16x120.

Colorado Springs, Cal.—Wm. Clark, house 30x400.

Riverton, N. J.—H. A. Dreer, twelve houses.

Victoria, B. C.—Thomas Woodward, two houses 20x175.

New Albany, Ind—F Walker & Company, rose house 22x300.

Cortland, N. Y.—Hopkins Greenhouses, range of 17,500 feet.

Louisville, Ky.—Chas. Raynor, range of houses.

Oskaloosa, Ia—W. E. Kemble, range of houses.

Whitman, Mass.—R. E. Moir, two houses.

Chicago, Ill.—Geo. Wittbold Company, three houses 27x300. Guardian Angel Orphan Asylum, range of houses.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (six words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1902 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED Expert grower wants position as foreman. Highest testimonials. Address J S, care American Florist.

SITUATION WANTED—By experienced single florist and gardener, commercial or private place. Address COMPETENT, Am. Florist.

SITUATION WANTED—By a grower, successful in Beauties; married, middle age; life experience; references. K H A, care American Florist.

SITUATION WANTED—By sober, industrious grower of cut flowers, bedding plants, etc. Address with offers to W. SMITH, General delivery, Troy, N. Y.

SITUATION WANTED—By a good grower of roses, carnations and general stock. German, age 38, single; capable to take full charge. Good designer. FLORIST, Strasburg, Va.

SITUATION WANTED—By experienced florist who desires to take charge of private place. Best references; age 28; married. State wages please. N N, care Lander's Hotel, Chestnut Hill, Pa.

SITUATION WANTED by retail florist with long experience: good salesman, designer and decorator; sober, industrious and reliable; references, Address JULIUS A. SCHNAPP, 2220 Indiana Ave., Chicago, Ill.

SITUATION WANTED—by good grower of cut flowers, etc. Age 34; long experience in all all branches of horticulture; to take charge or as foreman. References as to ability and character; western states preferred. Address H K, American Florist.

SITUATION WANTED—As manager or foreman. Married; 38 years of age. Roses, Beauties, a specialty; carnations, 'mums; expert florist on general stock: English and American experience. W E B, 427 E. 63rd St., N. Y., care of Mrs. Williams.

SITUATION WANTED—As foreman by thoroughly practical florist. Good decorator, designer, etc. Grower of No. 1 roses, carnations and 'mums. First-class commercial or private position. Good wages expected. Address G. FOREMAN, care P. O., Canton, O.

SITUATION WANTED-By landscape gardener, German, 28, single; good grower of cut flowers and pot plants. Understands how to do the work in a practical manner; would like to get a position in a private place. Best references from commercial places and landscape architect as an honest, sober, industrious and faithful worker. North-middle states preferred. Address LANDSCAPE, care American Florist.

SITUATION WANTED—By first-class man of good appearance and address; successful grower of palms, ferns, roses, carnations, 'mums and general bedding stock, also artistic designer and decorator; life experience in the business; perfectly capable of managing; wants a position where a good man is wanted and appreciated. Wages, $15.00 per week, or will run place which will guarantee to do that amount on shares. 50, care American Florist.

WANTED—A good all-around florist. Give references. FRANK OTTO, Winnetka, Ill.

WANTED—A gardener for general greenhouse work. Address 5329 Morgan St., Chicago.

WANTED—Young man with experience for florist store. J. M. GASSER, Cleveland, O.

WANTED—Competent florist for section foreman; married or single. Address F. BURKI, Bellevue, Pa.

WANTED—Second-hand glass, suitable for sash, 10 inches between bars. W. P. RANSON, Junction City, Kan.

WANTED—Two men for general greenhouse work and two helpers for rose sections. J. F. WILCOX, Council Bluffs, Iowa.

WANTED—A young man with some experience in greenhouse work. State wages with board. M. I. O'BRIEN, Sharon, Pa.

WANTED—Young man with some knowledge of rose growing and greenhouse work. State wages wanted with board. R, care Am. Florist.

WANTED—Good all-around greenhouse man. Must be sober and industrious, steady position for right party. Address GARFIELD PARK FLOWER CO., Chicago.

WANTED—Man of experience for greenhouse and vegetable growing: 3 houses and one acre commercial. State wages with board and room. JNO. NICHOLS, Box 354, Scottdale, Pa.

WANTED—All-around florist; also to be successful propagator. Full charge to the right man. State age and reference: $30 per month board and room. C. HUMFELD, Clay Center, Kan.

WANTED—A single man, a hustler for greenhouse work and small garden. Wages $20 per month with board and room. Address JNO. B. DINSER, 765 Grand River Av., Detroit, Mich.

WANTED—Experienced rose grower, on or before April 1. State whether married or single, and give references. Address THE ESSEX GREENHOUSES, North Olmsted P. O., Cuyahoga Co., Ohio.

WANTED—Exceptionally expert rose grower for large private establishment. Only those of highest reputation and best references from noted rose growers need apply. State wages required. W H, care American Florist.

WANTED AT ONCE—A florist and gardener; married man with small family preferred. State wages, including board and house rent. Must understand growing roses, 'mums and carnations. JNO. CORBETT, Mt. Sterling, Ky.

WANTED—Man with 2 or 3 years' experience in growing carnations and roses. Must be strictly sober and fair salesman. Steady employment; $20 first 4 months and $25 and board after that if satisfaction is given. Wanted by the 15th of April. C. F. VAN METER, Monticello, Iowa.

FOR SALE—A profitable and growing florist business for sale at a very low price, with or without real estate. A great bargain. Address for particulars. ALMA S. PATTERSON, Fort Scott, Kan.

FOR SALE—In Ravenswood, Chicago, fine plant of greenhouses, 20,000 feet of glass, good house, 6 rooms and bathroom. All in good running order. Within one block of three lines of electric cars. A bargain. Address CHAS. E. NASLUND, 1829 Lincoln Av., Chicago.

FOR SALE—An old established florist business in Baltimore city consisting of dwelling, greenhouses and cold frames fully equipped. Several large cemeteries adjacent. Entire property and business including large stock for spring trade is for sale. Death of former owner cause of sale. Address N. RUFUS GILL & SONS, 215 St. Paul street, Baltimore, Md.

Wanted at Once. Working foreman, single, must be a first class carnation grower and propagator. Also a first-class designer and maker-up, of good address and capable of waiting on customers. Also a working foreman for fern and asparagus growing establishment, single man preferred. Don't answer this unless you can furnish best of references as to industry, sobriety, honesty and competence. Good wages and steady employment for the right men. Enclose references. PETER FISHER, Ellis, Mass.

$300 Per Month.

Do you want it? If so, buy me out NOW, at your own price. Good reasons. 15,000 feet. It costs you a postal card to have particulars.

C. S. FITZSIMMONS, Lansing, Mich.

If you want to get the want you want to get, you want to get your want ad into the

AMERICAN FLORIST

Try it now.

Every advertisement represents a genuine want. It pays to answer them.

St Louis.

Stock is coming in very slowly although it is improving in quality. Roses are much better this week and from $3 to $6 is asked for them. Beauties are the same as last week. Carnations remain at the standard with the exception of a few last week which brought $3 and a little over, but $1 to $2 is received for the majority of the stock. Violets have been slackening up considerably within the last week or so and from the present outlook the houses will be off crop before Easter. Bulbous stock can be had at from $1.50 to $3. Some very fine sweet peas are being sent in. Greens are not over-plentiful.

Robert F. Tesson has had one of the Morehead steam traps at work during the winter in connection with his heating apparatus and reports that it gives great satisfaction. "In fact," says Mr. Tesson, "we do not know that there is such a problem as returning the condensation—the trap has solved it for us."

R. J. M.

Wholesale Flower Markets

MILWAUKEE, Mar. 13.

Roses, Beauty, long, per doz.	3.00@ 5.00
" " med. "	1.50@ 2.00
" " short "	.50@ 1.00
" Liberty	6.00@10.00
" Bride, Bridesmaid	6.00@ 8.00
" Meteor	6.00@ 8.00
" Golden Gate	6 00@ 8.00
" Perle	5.00@ 6.00
Carnations, ordinary	1.00@ 1 50
" fancy	2.00@ 2 50
Violets	.50@ .75
Lily of the valley	4.00
Daffodils	3.00@ 4 00
Freesias	2.00
Tulips	2.00@ 3.00
Adiantum	75@ 1.00
Smilax	18.00@20 00
Asparagus	65.00
Common ferns	.25

PITTSBURG, Mar. 13.

Roses, Beauty, specials	40.00@50.00
" " extras	20.00@30.00
" " No. 1	10.00@15.00
" " No. 2	3.00@ 6.00
" Bride, Bridesmaid	3 00@12 00
" Meteor	2.00@ 4 00
Carnations	1.00@ 4.00
Lily of the valley	2.00@ 4.00
Violets	.20@ .75
Harrisii lilies	6 00@15.00
Romans, Paper Whites	1.00@ 3.00
Tulips	3.00@ 5.00
Sweet Peas	1.00@ 1.50
Smilax	12 50@15.00
Adiantum	1 00@ 1.50
Asparagus	50.00@75.00

CINCINNATI, Mar. 13.

Roses, Beauty	20.00@40.00
" Bride	4.00@ 6.00
" Bridesmaid	4.00@ 6.00
" Meteor	4.00@ 8.00
" Perle	3 00@ 4 00
Carnations	1 50@ 3.00
Violets	.50@ 1 00
Harrisii lilies	15.00
Lily of the valley	3.00@ 4 00
Daffodils	3.00
Tulips	3.00@ 5.00
Romans, Paper Whites	2.00@ 4.00
Asparagus	50.00
Smilax	15.00
Adiantum cuneatum	1.00
Common ferns	.20

ST. LOUIS, Mar 13

Roses, Beauty, short stem	4.00@12.50
" " long stems	15.00@40.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	3.00@ 6.00
" Golden Gate	4.00@ 6.00
Carnations, ordinary	1.50
" choice	2 00@ 3.00
Violets	.40@ .75
Sweet peas	.25@ .50
Callas	10 00@12 50
Lily of the valley	3.00@ 4.00
Romans	1 50@ 2.50
Narcissi	2.50@ 3 00
Tulips	2.00@ 3.00
Smilax	10.00@15 00
Asparagus Sprengeri	1 00@ 1 50
" Plumosus	1 00@ 1 50

Easter Flowers.

Lilies, Roses, Carnations, Violets, Tulips and Daffodils.

The usual supply of Fine **JACQ. ROSES**

Quality all right and no roast on prices. Try a box from

M. A. HART, 48 West 30th Street, NEW YORK.

Frank M. Ellis,
WHOLESALE FLORIST,
1316 Pine Street, ST. LOUIS, MO.
CONSIGNMENTS SOLICITED.

H. G. BERNING
Wholesale Florist
1322 Pine St., ST. LOUIS, MO.

C. A. KUEHN,
Wholesale Florist,
1122 PINE STREET,
ST. LOUIS, MO.
A complete line of Wire Designs.

Pittsburg Cut Flower Co. Ltd
WHOLESALE FLORISTS.
Pittsburg, Pa.

The Cincinnati Cut Flower Co.,
416 Walnut St., CINCINNATI, O.
WHOLESALE FLORISTS.
Consignments Solicited.
Special Attention Given to Shipping Orders.

MICHIGAN
Cut Flower Exchange,
WM. DILGER, Manager,
WHOLESALE COMMISSION.
Full line of Florists' Supplies and Decorations.
Special attention to shipping orders.
26 Miami Avenue, DETROIT, MICH.

American Florists Ads
Always do business,
Week days and every day
Sundays and holidays,
All over the country,
At home and abroad.

HEADQUARTERS FOR.... **Green Goods**

Where you never get disappointed. We always have the stock on hand and of the best quality.

FANCY and DAGGER **Ferns,** $1.50 per 1000.

Discount on large orders.

BRILLIANT BRONZE AND GREEN GALAX, 75c per 1000 in 5000 lots. Satisfaction guaranteed.

SELECTED SOUTHERN WILD SMILAX, 84 and 87 per case. Also LAUREL FESTOONING, good and full, 4c, 5c and 6c per yard.

Orders by Mail, Telephone or Telegraph promptly attended to.

HENRY M. ROBINSON & CO.,
32-34-36 Court Sq., BOSTON, MASS.

FANCY DAGGER

HARDY CUT FERNS

At The Following Prices

In 1,000 lots	$1.50 per 1000
In 5 000 lots	1.40 "
In 10,000 lots	1.30 "
In 25,000 lots	1 25 "

L. B. BRAGUE, Hinsdale, Mass.

RICE BROTHERS
WHOLESALE FLORISTS and FLORAL SUPPLIES.
Receivers and Shippers of Fresh Cut Flowers.
Special attention to shipping orders. A complete line of Florists' needs. Send for price list. Prompt returns on all consignments.
128 N. Sixth St. MINNEAPOLIS, MINN.
Please mention the American Florist when writing

CHOICE
LILY of the VALLEY
in large quantities, the finest that is grown, $4 and $5 per 100.
JOHN WOLF, SAVANNAH, GA.
Please mention the American Florist when writing.

Current Price List.

E. C. Amling

The Largest, Best Equipped and Most Centrally Located Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St. CHICAGO.

L. D. PHONES CENTRAL 1999 AND 1977.

See our Special Easter Advertisement on page 263 of this issue.

BEAUTIES.

Stems, 30 to 36 in., per doz.,		$4.00
" 24 " "		3 00
" 20 " "		2.00
" 15 " "		1.50
" 12 " "		1 00
" 6 to 8 in. per 100,	$4.00	6.00
Brides..... "	4.00	8.00
Maids..... "	4.00	8.00
Meteors..... "	3.00	6.00
Golden Gate..... "	3.00	6.00
Carnations..... per 100	1.25	2.00
" large fancies "		3.00
Mignonette.....per doz.,	.35	.50
Callas.....per doz.,	1.25	1.50
Violets.....per 100,	.75	1.00
Sweet Peas..... "	1.00	1.50
Valley, select..... "	3.00	4.00
Romans..... "		3.00
Tulips..... "	2.00	4.00
Daffodils..... "	2.00	3.00
Paper Whites..... "	2.00	3 00
Freesias..... "	2.00	3.00
Asparagus plumosus, per stg,	.50	.60
" Sprengeri, per 100,	3 00	4.00
Ferns, per 1000, $2.50; "		.25
Galax, " 1.25; "		.15
Leucothoe sprays.... "		1.00
Adiantum..... "	$1.00	1.50
Smilax.....per doz.,	1.50	2.00

Prices subject to change without notice

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

WEILAND & RISCH

CHICAGO'S RELIABLE

Wholesale Growers and Shippers of

CUT FLOWERS,

59 Wabash Ave., Chicago.

SEND FOR WEEKLY PRICE LIST.

WHOLESALE FLORISTS

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florists

31-35 Randolph St., CHICAGO.

☞ Consignments solicited.....

FRANK GARLAND,

Wholesale Grower of **Cut Flowers**

SPECIAL ATTENTION GIVEN TO HARDY CUT **FERNS**

55-57 WABASH AVENUE,

Telephone Central 3284. CHICAGO.

A. L. Randall,

WHOLESALE FLORIST.

4 Washington Street, CHICAGO

Send for weekly price list and special quotations on 1000 lots.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

Wholesale Flower Markets

CHICAGO, Mar. 14.

Roses, Beauty, 30 to 36-inch stems		4.00
" " 24 " "		3.00
" " 20 " "		2 00
" " 15 " "		1.50
" " 12 " "		1.00
6 to 8 " "per 100		4.00@6.00
Bride, Bridesmaid.....		4.00@ 8.00
" Meteor.....		3.00@ 6.00
" Perle.....		3 00@ 6.00
" Golden Gate.....		3.00@ 6.00
Carnations.....		1.00@ 3.00
Violets.....		.75@ 1 00
Lily of the valley.....		3.00@ 4.00
Callas, per doz.....1.25@1.50		
Tulips.....		3.00@ 4.00
Romans, Paper Whites.....		2.00@ 3.00
Adiantum.....		1.00@ 1.50
Common ferns.....per 1,000	$2 50	.30
Galax leaves, per 1000.....	$1.00	.15
Smilax.....per dozen	1.25@ 1.50	

LILY of the VALLEY

FOR EASTER.

The finest quality in unlimited quantities. Fine Valley Pips for Forcing. Write for Prices.

H. N. BRUNS,

1409-1411 W. Madison St., CHICAGO.

Retailers Attention BRANT & NOE, Forest Glen, Chicago, Rose Specialists, careful selectors and packers of Roses, would like 3 more first-class retail florist customers. Have pleased patrons nine years straight. Can and will please you.

TELEGRAPH CODE

OF THE

AM. SEED TRADE ASSOCIATION

$2.00,

in either stiff or flexible cover. ADDRESS ORDERS TO AMERICAN FLORIST CO., CHICAGO.

E. H. Hunt,

WHOLESALE.....

Cut Flowers

THE "OLD RELIABLE,"

76 Wabash Ave., CHICAGO.

GEO. REINBERG,

Wholesale Grower of *Cut Flowers*

Choice American Beauties.

We will take care of your orders at reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.

Headquarters for American Beauty.

51 Wabash Ave., - CHICAGO, ILL.

JOHN MUNO,

Wholesale Grower and Shipper of **Cut Flowers**

Room 221, 51 Wabash Ave., CHICAGO.

TELEPHONE CENTRAL 3598. All telegraph and telephone orders given prompt attention.

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in **Cut Flowers**

All telegraph and telephone orders given prompt attention.

GREENHOUSES: Morton Grove, Ill.

35-37 Randolph Street, CHICAGO, ILL.

American Florists Ads Always do business, Week days and every day Sundays and holidays, All over the country, At home and abroad.

PLANTS FOR EASTER AND NOVELTIES IN RIBBONS

SAMUEL S. PENNOCK,
Wholesale Florist,
1612-18 LUDLOW ST., PHILADELPHIA, PA.

GEO. A. SUTHERLAND,
34 Hawley St., BOSTON.
Telephone 1270 Main.
BEST BOSTON FLOWERS. All Supplies.
An entire floor Devoted to Stock and Manufacturing. Distributing Agent for United States for the wonderful

"Koral" LETTER, unequalled for design work. Script, any color, 3½c a letter. Block letters, 1½c each. The most elaborate design work to order in a few minutes.

GENERAL AGENTS:
H. BAYERSDORFER & CO., Philadelphia.
REED & KELLER, New York City.

SPECIALTIES THIS WEEK:
Special American Beauty,
CARNATIONS,
Lily of the Valley, Violets.

CITY HALL CUT FLOWER MARKET
WELCH BROS., PROPS.
9 CHAPMAN PLACE,
15 PROVINCE STREET,
Boston, Mass.

FOR
Easter

I shall have a splendid assortment of every variety of flowers needed by the retail trade, at prices that defy competition.

WRITE ME ABOUT IT.

J. K. ALLEN,
106 West 28th Street, NEW YORK CITY.
Telephone 167 Madison Sq.

N. F. McCARTHY & CO.
84 Hawley St., BOSTON,
ARE RECEIVING ELEGANT ROSES ALL VARIETIES.
DON'T YOU WANTSOME?
Tel. 734 and 64 Main.

Geo. M. Moss,
WHOLESALE FLORIST,
32 South 17th Street, PHILADELPHIA, PA.
Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.

Wholesale Flower Markets

BOSTON, Mar. 12

Roses, Beauty, extra	25.00@50.00
" " medium	12.00@20.00
" " culls	6.00@ 8.00
" Bride, Bridesmaid, Meteor	2 00@ 6.00
" extra	8.00@10.00
Carnations	1 00@ 1.50
" fancy	3.00@ 4 00
Lily of the valley	2.00@ 3.00
Violets	.30@ .60
Harrisii lilies	8 00@12.00
Freesia	1.00@ 1.50
Narcissus Paper White	1.00@ 1 50
" Yellow	1.50@ 3.00
Roman hyacinths	.75@ 1.50
Tulips	2 00@ 3 00
Callas	8.00@10.00
Adiantum	.50@ 1.00
Smilax	12.00@16.00

PHILADELPHIA, Mar 12

Roses, Tea	5.00@ 8.00
" " extra	10.00@12.00
" Beauty, extra	50.00@65.00
" " firsts	30.00@40.00
" Queen of Edgely, extra	75.00
" " " firsts	25.00
Carnations	1.00@ 3.00
Lily of the valley	4.00@ 5.00
Asparagus	25.00@50.00
Smilax	12 50@15.00

BUFFALO, Mar. 13.

Roses, Beauty	7.00@35.00
" Bride, Bridesmaid, Meteor	6.00@12.50
Carnations	1.50@ 4 00
Violets	.50@ 1.00
Lily of the valley	3.00@ 4.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.50

Give Us a Trial. We Can Please You.

Roses, Carnations and all kinds of Seasonable Flowers in stock.
WM. F. KASTING, Wholesale Commission Florist,
481 Washington St., Buffalo, N. Y.
Dealer in Florists' Supplies and Wire Designs.
Open Day and Night.

Cut Harrisii Lilies.

I am growing the largest batch of lilies in New England. Have over 50,000 Harrisii besides plenty of Japans for Easter. Can supply blooms all the time from now till spring. Can fill orders for any quantityat an hour's notice.

H. N. EATON,
'Phone Connection. SO. SUDBURY, MASS.

MARKETING for flowers is a pleasure if done at the Headquarters of the
NEW YORK CUT FLOWER CO.
Here is the choicest stock of the most eminent growers, fresh every morning and in full variety. Goods selected and shipped to any part of the country. Always room for growers looking for an outlet for good cut flower stock.
DAILY REPORTS. WEEKLY PAYMENTS.
SALESROOMS { 55 & 57 West 26th St., NEW YORK CITY.
TELEPHONES: 2239 Madison Sq. 2034 Madison Sq.
J. A. MILLANG, MANAGER

EUGENE BERNHEIMER
Wholesale Florist,
Phone 14269 A, 1604 Ludlow St., **Philadelphia.**
CONSIGNMENTS OF ROSES SOLICITED.

AMERICAN FLORIST ADS ALWAYS DO BUSINESS
Week days and every day, Sundays and holidays,
ALL OVER THE COUNTRY AT HOME AND ABROAD.

American Beauties. Carnations. Valley.

HIGH GRADE FLOWERS OF ALL KINDS.
LEO. NIESSEN, Wholesale Florist, N. W. Cor. Filbert & 13th St., Philadelphia.

Note the Smile of Satisfaction

When the consignor reads his returns the buyer opens a box of flowers From

JOHN I. RAYNOR, WHOLESALE COMMISSION FLORIST.

Telephone 1998 Madison Square — 49 W. 28th St., NEW YORK.

YOUNG & NUGENT

WHOLESALE FLORISTS 42 West 28th Street, NEW YORK,

Are shipping the finest Roses, Carnations, Valley, Orchids, Novelties, in the New York Market. ——Price List to Applicants.

TELEPHONE 2065 MADISON SQUARE.

Walter F. Sheridan,

Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Telephone Nos. 2239 and 2034 Madison Square.

MOORE, HENTZ & NASH

Wholesale Commission Florists,

55 and 57 West 26th St., NEW YORK CITY.

Adjoining New York Cut Flower Co. salesroom. Finest Salesroom in the Trade. Inspection Invited. All business, selling or shipping, strictly commission.

WHOLESALE **WILLIAM GHORMLEY,** COMMISSION

RECEIVER AND SHIPPER OF FRESH CUT FLOWERS. DAILY STOCK OF ALL THE CHOICEST VARIETIES FROM BEST GROWERS WHO SHIP TO NEW YORK.

ORCHIDS, ROSES, CARNATIONS, VALLEY.
Largest receiver of VIOLETS in America

Telephone 2200 Madison Square, 57 WEST 28th STREET, NEW YORK CITY.

JOHN YOUNG

Special American Beauties, Surpassing Carnations, Violets, Lily of the Valley, Orchids, and all Seasonable Flowers.

51 West 28th St., NEW YORK.
Tel. 1905 Madison Sq.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR

Violets and Carnations

GROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER,
30 West 29th St., New York.
Telephone 551 Madison Square.

FRANK MILLANG,

CUT FLOWERS,

WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange, NEW YORK.
Telephone 299 Madison Square.

ESTABLISHED 1872.

JOHN J. PERKINS,

COMMISSION FLORIST,

Solicits Consignments or Shipping Orders. Satisfaction given in both.

Write for Terms. 115 West 30th St., New York.

POPULAR WITH THE TRADE.
Therefore a profitable place to send your Flowers.

M. A. HART'S,

48 West 30th St., New York City.
Telephone 325 Madison Square.

Choice Carnations. Selected Roses.

Traendly & Schenck

NEW YORK CITY,

38 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

NEW YORK, Mar. 12.

Roses, Beauty, select	30.00@40.00
" " medium	5.00@20.00
" " culls	1.00@3.00
" Bridesmaid, Bride, Meteor	2.00@6.00
" " " extra	6.00@10.00
" Liberty	1.00@4.00
" Liberty special	8.00@20.00
Carnations	.75@2.00
Carnations, specialties	4.00@5.00
Violets	15@50
Lily of the valley	1.50@3.00
Roman hyacinths	.75@1.50
Paper White narcissi, Freesia	1.00@1.50
Yellow narcissi	1.00@2.00
Callas	4.00@6.00
Sweet Peas	1.00
Tulips, single	1.00@2.00
" double	2.00@4.00
Lilac, per bunch	1.00
Harrisii lilies	4.00@8.00
Cattleyas	10.00@40.00
Mignonette	1.00@6.00
Smilax	10.00@15.00
Asparagus	25.00@50.00
" Sprengeri, per doz. bun.	2.00@3.00
Adiantum	.75@1.00

CHAS. MILLANG,

50 W. 29th St.,

NEW YORK.

FORD BROS.

Receivers and Shippers of

FRESH FLOWERS.

Best Violets in New York market.

111 WEST 30TH ST., NEW YORK.
Telephone 157 Madison Square.

Julius Lang

53 West 30th Street, NEW YORK.

REPRESENTS THE BEST GROWERS OF

ROSES, CARNATIONS, VALLEY.

TELEPHONE 280 MADISON SQUARE.

ALEX. J. GUTTMAN,

Wholesale Commission Florist,

A full supply daily of the choicest New York and New Jersey

FLOWERS.

52 W. 29th Street, NEW YORK CITY.
Telephone 1738 Madison Square.

A. H. LANGJAHR,

Wholesale Commission Florist,

BEST FLOWERS SHIPPED AT LOWEST NEW YORK PRICES.

19 Boerum Place, Brooklyn, N. Y.
TELEPHONE 939 MAIN.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.
Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE.

Now in Season:
FREESIAS, DAFFODILS, TULIPS
LILAC, SWEET PEAS and ACACIA.

EDW. C. HORAN,

47 WEST 28TH ST.,

Tel. 421 Madison Square, ...NEW YORK.

CUT FLOWERS AT WHOLESALE.

All Roses, Violets

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

J. E. NORTHRUP, Pres.; S. F. LEONARD, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

Twentieth annual convention, Twin Cities, Minn., June, 1902.

MANY of the Holland bulb men visited Chicago during the week.

W. C. BECKERT and wife, of Allegheny, Pa., left last week for a trip to Japan.

FRENCH bulb prices are reported to have stiffened slightly within the past two weeks.

VISITED BOSTON: Alburtus N. Clarke and E. Clarke, Milford, Conn.; John Degnan, Chicago.

ROBERT MCNIFF, formerly with Peter Henderson & Co., New York, is now with Vaughan's Seed Store, Chicago.

VISITED CHICAGO: Charles Loechner, of Suzuki & Iida; Joseph Rolker, New York, Henry A. Salzer, La Crosse, Wis.

J. E. KILLEN is now on the road in the interest of Caughey & Carran, of Detroit, who make a specialty of clover and sugar beet seed.

J. E. HILLEBRAND, corresponding secretary of the Bennebrock-Vogelensang division of the Algemeene Vereeniging voor Bloembollen Cultuur, Haarlem, Holland, was among our visitors this week.

DUTCH bulb prices for the season rule somewhat higher on named tulips, especially scarlet, about the same on mixed tulips, and from twenty to twenty-five per cent lower on most hyacinths and some narcissi.

The following item from a Bermuda letter of March 8, is interesting at this time: "The lilies are looking very good this season—they have not so well for seven years though the crop now is not one-fourth as large as it then was."

SECRETARY WILSON, of the Department of Agriculture, has approved the new scheme of government seed and plant distribution, devised by B. T. Galloway, chief of the bureau of plant industry. Further details of the plan will appear next week.

TUBEROSE bulbs, first-class Dwarf Pearl, are even scarcer than was anticipated. Growers of these bulbs are holding off on contracts for the coming season's crop and asking higher prices. They claim that offsets for planting stock are scarce, owing to the very short crop from which the offsets are taken.

The State of Trade.

In response to an inquiry regarding mail and counter trade thus far this season as compared with the same period last year, we have received the following replies from some of the leading merchants:

Plant Seed Co., St. Louis: "Business is satisfactory."

T. W. Wood & Sons, Richmond, Va.: "Counter trade considerably behind last year, owing to unfavorable weather. Mail trade about equals last year."

Vaughan's Seed Store, Chicago: "Both our mail and counter trade for the last six weeks shows a good increase over 1901. The present warm weather is advancing the season very much."

R. & J. Farquhar & Company, Boston: "Our mail and counter trade fully up to last year, notwithstanding a somewhat later season and also the fact that our catalogues were published later than usual."

James Vick's Sons, Rochester, N. Y.: "So far this season's business is very satisfactory. The orders are coming in very well and averaging larger than last season. We also anticipate a large increase in our local trade."

John Lewis Childs, Floral Park, N. Y.: "I would say that our catalogue trade this season so far has not been quite up to last year, but considering the severity of the weather during February, I am only surprised that business has held up as well as it has."

W. Atlee Burpee & Company, Philadelphia: "Our mail order trade this season is considerably ahead of last year. There is no doubt in our mind that this will be the best year the seed trade has had for a number of years. The only question is one of supply, not demand."

John A. Salzer Seed Company, La Crosse, Wis.: "Such trade as we are having makes a fellow sick; it must be the weather." In the west the mild bright weather has stimulated trade a good deal; worked half to death is the condition of the seed clerks. Hence, no doubt, Mr. Salzer's comments.

Johnson & Stokes, Philadelphia: "We would say that we are having the most satisfactory mail order trade that we have had for a number of years. There is a much larger proportion of orders for the higher priced novelties than has been the case for many seasons, indicating a healthy condition among the farmers and gardeners over the country at large. It is too early in the year as yet for us to make any estimate of what the counter trade is going to be, but we anticipate that it will show about the same increase as the mail order department has."

J. M. McCullough's Sons, Cincinnati. "Considering the long period of unfavorable and stormy weather we have had since the first of January, business is better than we should have expected. Every indication, both in the wholesale and retail trade so far as we can sum it up, points to the fact that those buyers who did not anticipate their wants early in the season are being influenced more by the weather and the elements in holding off until the last minute than usual, and this has been proven very conclusively in the last day or two by the number of rush orders that are coming in. The outlook, in our judgment is very favorable."

LILIUM HARRISII.

As reliable stock as is produced on the Island, raised, crop-rogued, inspected, and packed by a grower always on the ground.

We offer this (V) brand of Harrisii as averaging the most reliable stock exported. Orders placed now can be supplied, late ones could not be filled last year and may not be this. Write for prices on 5 to 7, 7 to 9, and 9 to 11.

White Roman Hyacinths.

12 ctms. and upward, being the whole crop above the 12 ctm. size, no 13 to 15 ctms. being taken out.

150,000 of this grade imported by us the past season proved very satisfactory and we offer 1902 crop of same, confident that this grade contains the best value possible for the price, which is made for early orders. Remember the size contains all the bulbs in the crop above 12 ctms. and up to 16 ctms. Write for prices.

N. B.—Our usual percentage of extra early deliveries will be made.

Vaughan's Seed Store, CHICAGO. New York.

Special Offer SWEET PEAS.

25 Large Flowering Varieties, at 10c per 1-4 lb.; 30c per lb.; 5 lbs., $1.25.

(By mail, 8c. per pound additional.)

AMERICA, cardinal and white
BLACK KNIGHT, deep maroon
BLUSHING BEAUTY, pink
BRIDE, pure white
COQUETTE, yellow and lavender
COUNTESS OF RADNOR, Dorothy Tennant, rosy mauve
Duke of Sutherland, maroon
EXTRA EARLY BLANCHE FERRY, rose and white
EMILY HENDERSON, white
GOLDEN GATE, lavender
JOHNSON & STOKES' GIANT MIXED
KATHERINE TRACY, pink
LADY MARY CURRIE, pink and lilac
LADY NINA BALFOUR, mauve
MARS, crimson scarlet
ORIENTAL, orange salmon
PRIMROSE, primrose yellow
PRINCE EDWARD OF YORK, scarlet
PRINCE OF WALES, light pink
QUEEN VICTORIA, primrose and purple
ROYAL ROBE, pink
SALOPIAN, scarlet
SENSATION, white
Stella Morse, primrose and pink

JOHNSON & STOKES, 217 and 219 Market Street, PHILADELPHIA, PA.

SWEET PEAS

FRESH STOCK, 1902.

	Oz.	Lb.
Blanche Burpee, pure white	.5	.30
Blanche Ferry, pink and white	.5	.25
Lady G. Hamilton, azure blue	.5	.40
Salmpian, brilliant scarlet	.5	.25
Mont Blanc	.20	1.50
Earliest of All	.5	.40
Lovely	.5	.30
McCullough's Premier Mixed	.5	.35

MUSHROOM SPAWN, English Mill-track, fresh stock, $7 per 100 lbs.

CUT FLOWERS AT WHOLESALE.

J. M. McCULLOUGH'S SONS

316 & 318 Walnut St., Cincinnati, O.

Cow Peas. The Famous Forage Crop and Soil Improvers.

WE ARE HEADQUARTERS for these and all Southern specialties, including **Soja Beans, Velvet Beans, Pearl or Cot-tail Millet, Teosinte Bermuda Grass, Ensilage Corn, Spanish Peanuts, Chufas, Sorghums, etc.**

Write for prices, and our interesting Catalogue giving full information about these crops.

T. W. WOOD & SONS, - Richmond, Va.

AMLING wants your EASTER ORDER.

There are many reasons why he ought to have it.

Price List for Easter.

BEAUTIES.		Per doz.
Stems, 30 to 40 inches	$5.00	$6.00
" 24 "		4.00
" 20 "		3.00
" 15 "		2.00
" 12 "		1 50
" 8 "		1.00
Short stem		.75

ROSES.	Per 100	
Brides and Maids	$6.00—	$8.00
Meteors	6.00—	8.00
Golden Gate	6 00—	8.00
Perles	6.00—	8.00
Roses, our selection	3 00—	5.00

CARNATIONS.	Per 100	
Standard sorts	3.00—	4.00
Fancys	5 00—	6 00

MISCELLANEOUS.			
Harrisii, Select	per 100,	$18.00—	$20.00
" Seconds	per 100,	10.00—	12 50
Callas	per doz.,	1 50—	2.00
Valley	per 100,	3.00—	4.00
Paper Whites	"	3.00—	4.00
Daffodils	"	3.00—	4.00
Tulips	"	3.00—	5.00
Romans	"	3 00—	4.00
Freesias	"	3 00—	4 00
Marguerites	"	.75—	1.00
Violets	"		1.00
Mignonette	per doz.,	$ .50	$ .75

DECORATIVE.			
Asparagus	per string,	$ .50—	$ .75
Galax, 1000, 1 25; per 100,			.15
FERNS, finest in town, 1000, $3,	"		.30
Leucothoe sprays,	"		1.00
Adiantum	"	1.00—	1 50
Smilax	"	15.00—	18.00

Subject to change without notice.

Store open from 7 a m. to 9 p m daily. Sunday and holidays closed at noon

O YOU EVER put two and two together? The results are often interesting. Just after Christmas there was great "to do" about pickeled stock. You remember it; the trade papers were full of it. Read the reports from a man who divided his order:

From Am. Florist, Jan 7, 1902.

Ed. Am. Florist:—It is absolutely necessary to hold back some of the cut before each holiday to meet increased demands. But at the same time I have been caught every year. This year I had a shipment from one of the leading growers, C. O.D. $260, on which I did not realize $200 because half the stock was too old. But what is the use of kicking.

St. Paul, Minn. A. S Swanson.

From a Business Letter, Jan. 12, 1902.

E. C. Amling, Dear Sir:—Please accept inclosed check for $500 on account. At the same time allow me to compliment you on the way you filled our Christmas order. I must say the goods were all "O. K.," first-class. Am only kicking myself for not having had more of my stuff come from you. We were well pleased. My wife said every flower was perfect.

St. Paul, Minn. A. S. Swanson.

Were YOU satisfied with your Christmas supplies? Come to us for Easter and you'll get what you want, as you want it and when you want it. Our facilities are perfect and our crops are on. Let us have your order now.

E. C. Amling

The Largest, Best Equipped and Most Centrally Located Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St. L. D. TELEPHONES Central 1999 and 1977. **CHICAGO.**

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

R. C. BERCKMANS, Pres.; R. J. COE, Vice-Pres.
GEORGE C. SEAGER, Rochester, N. Y., Sec'y.
Twenty-seventh annual convention, Milwaukee, Wis., June, 1902.

WM. A. PETERSON, of Chicago, is on a trip to the Twin Cities and Duluth.

THE nurseries of Huntsville, Ala., have completed their shipments to selling headquarters at St. Louis. The Huntsville Wholesale Nurseries and the Alabama Nurseries shipped more than twenty cars each.

J. L. BUDD says that the Soulard and Gros Pomier apples are distinct in tree, fruit and season. The former was brought from near St. Louis to Galena, Ill., by the late James G. Soulard and by him distributed about 1876.

Wharf Examination at New York.

Frederick W. Kelsey's efforts to impress upon the New York customs authorities the lack of necessity for, and delays resulting from, carting incoming nursery stock to Public Stores for examination, have at last borne fruit. In his last letter Mr. Kelsey showed the collector that the method resulted in a delay in no case of less than three days, and generally nine or ten, with consequent material loss to importers and loss to the port of New York, importers preferring to make entry at other ports. In reply Collector R. G. Bidwell says:

Referring to your communication of the 29th ultimo relative to a return to the former method of wharf examination of nursery stock, it gives me pleasure to state that the Appraiser concurs in the suggestion and in future wharf examination only will be made.

Fighting the Elm-Leaf Beetle.

Referring to the elm-leaf beetle and its threatened ravages during the coming season, J. A. Pettigrew says: "The gravity of the situation behooves everyone interested in city trees to be on the alert and prepared to meet this pest in the coming spring, by spraying each elm tree in the infested districts as soon as the leaves appear, or at latest as soon as eggs are found; these are yellow in color, and are laid in clusters on the under side of the leaves. Usually one application is sufficient if done before the eggs hatch out. Newly-hatched larvæ are easily killed by giving them poisoned foliage to feed upon. Should spraying have been neglected or improperly done the larvæ may be destroyed as they descend the trees to pupate, by spraying them with a preparation of kerosene and water, in the proportion of one of the former to five of the latter, first emulsifying the kerosene in whale-oil soap. Spraying machines can be obtained ranging in price from $5 or $6 for a bucket pump to $20 for one on a fifty-gallon barrel, mounted on wheels. Arsenical preparations can also be purchased ready for use."

Colorado Springs, Col.

TRADE HOLDS UP WELL THROUGH LENT.—PREPARATIONS FOR EASTER.—DOINGS OF THE GROWERS AND OTHERS.

Trade conditions in this city are very good at this time, with a good supply of roses, carnations and violets. Potted stock is being put into the show houses and the lilies that are too previous help greatly to make an attractive display. Wm. Clark, who visited Indianapolis, brought back a collection of blooms of the new carnations and put them on exhibition. They attracted a great deal of attention.

A new house 30x400 will be built next month by Wm. Clark, on his north end property, which is now devoted to growing shrubs and perennials, where he will put in a heavy stock of the new varieties of carnations selected while east last month.

Bedding stock of all kinds is looking fine and from the present indications the amount grown this year will exceed by far the output of any previous year.

W. H. Evans has built five new houses adjoining the Crump place and is growing carnations and vegetables.

We have no bowling records to send in as "Ed" Johnston and "Billy" Dunman are the whole club here. J.

Buffalo.

CLUB HOLDS ITS ANNUAL BANQUET AND ELECTION.—THE STATE OF TRADE.—GROWER CHANGES VIEW POINT.—NOTES.

On March 6 the election and banquet of the Buffalo Florists' Club was held at the Raleigh Hotel. While the attendance was not as large as it should have been, it was a very successful gathering. The toasts were good and the menu was all right. The new officers are: President, Jas. Braik; vice-president, F. G. Lewis; secretary, Wm. Legg; treasurer, Chas. Keitsch; financial secretary, E. C. Bruecker; trustees, Wm. Scott, J. F. Cowell and W. F. Kasting.

Trade has been as usual, with fair weather and ordinary supply. Good windows are to be seen all along Main street. Store openings are on for this week and next and call for the use of many palms and spring stock.

The park department in the estimates for next year has asked for a sufficient sum to give Assistant Superintendent Braik, of Delaware Park, and Superintendent Cowell, of South Park, a chance to do what is really needed.

C. H. Keitsch has started a store on Main street and is doing nicely, but he admits that things look somewhat differently to him now that he views them from the standpoint of the seller, not the grower.

J. H. Rebstock is recovering from the injury received recently in a runaway on Delaware avenue. W. A.

Import Freight Agents Delaware, Lackawanna & Western Railroad Co. at New York, N. Y.
ENERGY. ECONOMY. DISPATCH.
F. B. VANDEGRIFT & CO.,
Publishers of Vandegrift's United States Tariff.
Customs Brokers and Forwarders. Foreign Express, Export and Insurance Brokers.
NEW YORK Office, 66 Beaver Street Telephone, 928 Broad. | A. B. C. Code Used Cable Address, Vangrilt. | CHICAGO Office, 315 Dearborn St. Phone, Harrison 840.

Rhododendron Maximum AND Kalmia Latifolia
The two best native Evergreen Shrubs for out-of-door ornamentation. Furnished by car load lots or in smaller quantities. Send for prices, also Special Rhododendron circulars. VINCA MINOR—10,000 3-inch clumps for sale cheap. Fine lot of general nursery stock.
EASTERN NURSERIES, M. M. Dawson, Mgr. Jamaica Plain, Mass.

OAKS 10,000 Pin, Scarlet, Red, White, Willow-leaved, English and Turkey, 4 to 10 feet.
MAPLES.
100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.
Catalogue on application. Send estimate of wants for prices.
THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.

TREES I have 25,000 Shade Trees, all kinds and sizes. 10,000 Evergreens all sizes and kinds. Shrubs, all kinds. 4,000 Hydrangeas, 2 to 4 feet. 10,000 Hardy Roses, XX strong own roots. Plenty Ramblers. 25,000 California Privet, 2 to 4 feet. Fine Golden Oaks. Good stock Fruit Trees, Climbing Vines, etc. Rhododendrons and Hardy Azaleas, 2 to 3½ feet.
STEPHEN CRANE, Prop. Norwich Nurseries, NORWICH, CONN.

NEW STRAWBERRIES. It don't pay to grow anything but the best. Mrs. Mark Hanna, a GIANT among large berries. Mark Hanna has yielded over two hundred bushels to the acre at one picking. Send for wholesale list.
MARK T. THOMPSON, Originator, Rio Vista, Va.

B. W. DIRKEN,
Oudenbosch, Holland.
ORNAMENTAL AND FOREST TREES A SPECIALTY.
Conifers, Evergreens, Hollies, Etc.
Prices on Application.

GRAPE VINES
Currants, Gooseberries, Blackberries, Raspberries, Strawberries. Price List FREE.
Send 2c stamp for illustrated descriptive catalog.
T. S. HUBBARD CO. Fredonia, N. Y.

Park Architects and Dealers
will find whatever they want in the
Holland Nurseries, DeBilt near Utrecht
HOLLAND.
SPECIALTIES ARE: Conifers, Evergreens, Hardy Shrubs, Lilacs, Ornamental Trees, Fruit Trees in different forms, Azaleas, Rhododendron Ponticum and Hybridum.
Please send list of your wants and write for general catalogue. We will make you special offers. Write to
GROENEWEGEN & ZOON,
De Bilt, near Utrecht, Holland.

WRITE, TELEGRAPH, TELEPHONE—WE DO THE REST.

ON WIRE WORK WE CAN DISCOUNT OUR OWN AND EVERY OTHER PRICE LIST.

KENNICOTT BROS. CO.

WHOLESALE COMMISSION FLORISTS

AND DEALERS IN ALL KINDS OF **FLORIST'S SUPPLIES.**

42 and 44 East Randolph St. CHICAGO, ILL.

LET US FIGURE ON YOUR NEEDS IN THE LINE OF ROOTED CARNATION CUTTINGS.

Give Us Your

Easter Order

.....NOW.....

and rest assured of getting what you want. We have a record for filling orders when others fail.

Easter Price List

Subject to Change Without Notice

PACKING AND DELIVERY AT COST.

	Per Dozen.
Am. Beauties, 30 to 40-inch	$ 5 00 to $ 6 00
Am. Beauties, 24 "	4 00
Am. Beauties, 20 "	3 00
Am. Beauties, 15 "	2 00
Am. Beauties, 12 "	1 50
Am. Beauties, 8 "	1 00
Am. Beauties, Short	75

	Price per Hundred.
Meteors	6 00 to 8 00
Brides, Maids, select	6 00 to 8 00
Meteors, Brides, Maids, good average	5 00 to 6 00
Perles, extra select	6 00 to 8 00
Roses, our selection	3 00 to 5 00

	Price per Hundred.
Carnations, special fancy varieties	$5 00 to $6 00
Carnations, good average	3 00 to 4 00
Violets	75 to 1 00
Valley, our specialty—the best	3 00 to 4 00
Smilax	15 00 to 18 00
Harrsii, select	18 00 to 20 00
" seconds	10 00 to 12 50
Tulips, single and double	3 00 to 5 00
Daffodils, single and double	3 00 to 4 00
Adiantum	1 00 to 1 50
Asparagus.....per string, 50c to 75c	
Galax.....per M, $1 00 to $1 50	
Common Ferns.....per M, $3 00	

We Represent more Glass than any other House in Chicago.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our howling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 79 Milk St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At New York.

On Monday afternoon, preceding the evening meeting of the Florists' Club, the bowlers had a good time on the alleys. Their scores were as follows:

Player	1st	2d	3d
Hafner	171	150	137
Lang	176	182	183
Traendly	135	126	168
Butterfield	150	152	131
Siebrecht	145	162	
Thielmann	140	167	193

At Jamestown, N. Y.

Following is the score made by the local bowlers March 6:

ROSE GROWERS.

Player	1st	2d	3d	T'l
Wm. Coyne	128	173	123	424
M. McCue	153	153	120	426
J. Brooks	141	101	123	365
Ed. Bowyer	112	124	129	365
C. Carlson	111	88	133	332
W. Whitcomb	137	87	112	336
Total	782	726	740	2248

CARNATION GROWERS.

Player	1st	2d	3d	T'l
J. Lydon	110	160	121	391
C. Hennon	102	157	135	394
S. Kaser	132	101	89	322
J. Eidens	92	121	119	332
W. Bennett	83	94	105	282
A. Scott	106	126	144	376
Total	625	759	713	2097

A. S.

At Chicago.

There were no remarkable scores made by the Chicago bowlers, March 11, the high man failing to achieve over 200. Following is the record:

ALL STARS	1st	2d	3d	T'l
Chas. Balluff	148	142	128	418
Clifford Pruner	132	118	137	387
Ed. Enders	113	110	123	346
W. Kreitling	190	108	102	400
G. L. Grant	132	138	145	415
Total	715	616	635	1966

RETAILERS	1st	2d	3d	T'l
P. J. Hauswirth	138	178	166	482
J. Huebner	157	126	132	415
John Lambros	146	117	134	397
E. Hauswirth	169	166	129	464
Geo. Asmus	161	135	172	468
Total	771	722	733	2226

WHOLESALERS	1st	2d	3d	T'l
Jos. Foerster	190	169	177	536
C. W. Scott	133	117	128	408
John Sterrett	147	131	169	450
Chas. Hughes	137	130	121	388
E. F. Winterson	135	151	169	455
Total	742	731	764	2237

GROWERS	1st	2d	3d	T'l
Geo. Stollery	146	171	140	457
F. Matte	144	195	107	446
J. P. Sinner	120	121	194	435
C. Schafer	121	198	178	500
Fred. Stollery	197	170	181	551
Total	731	855	803	2389

Cleveland.

CLUB HOLDS A VERY INTERESTING SESSION.—GOOD CARNATIONS BRING UP DISCUSSION AS TO AWARDING CERTIFICATES.—STREET FAKIR JUDGED INDISPENSABLE.—NOTES.

The regular meeting of the Florists' Club was held last Monday evening and for attendance and subjects discussed was the best one we have had for some time, about twenty-five members being present. A vase of magnificent blooms of Mrs. Potter Palmer was exhibited by the Chicago Carnation Company. It was admired by all and the members were unanimous in voting it honorable mention. There was quite a discussion on awarding certificates of merit to meritorious seedlings, but the majority were adverse to awarding certificates to carnations judged by artificial light, as it is impossible to determine their true color by that means. The matter of the exclusion of the street fakir was put forward by Mr. Brinker, and discussed pro and con. The consensus of opinion seemed to favor the retention of this type of merchant in large cities and his expulsion in smaller towns. In cities like Chicago and New York the street fakir is indispensable. A. Graham gave quite a lengthy discourse on the novelties in the carnation line seen during his trip west. The boys gave B. Hart a hearty welcome after being absent from the club twelve weeks with typhoid fever, also James Wilson, whom we are glad to see has resumed the weekly attendance.

Wm. Smith is sending in some fine Brides and Bridesmaids. The discovery of alkali and gas last summer in the water used in his houses solved the problem of the partial failures of the past, and his plants are the picture of health.

Business the past week has been very good, prices remaining about the same. Out of town shipping is very brisk, the wholesale houses being cleaned up every day. Hydrangeas are going to be very scarce for Easter. ECHO.

A Dollar Each.

ED. AM. FLORIST:—Enclosed find cash for another year, for the FLORIST is "dirt cheap" at the price. I would not miss some of the special numbers for a dollar each. A. D. BROWN.

Adams, Mass.

TESTIMONIAL.

WHEREAS, we believing ourselves to represent the majority of Florists in the Providence Community, do hereby declare the general sentiment of the flower trade to be, viz:

1st That the Products of Wholesale Growers of Flowers be sold to legitimate flower stores, the owners of which stores by the result of exertion depend upon the sale of such flowers for their livelihood.

2nd That the selling of Flowers at Wholesale Prices to stores that do not handle flowers legitimately is a short sighted policy of the individual grower, and bound to react upon him in a general way in time.

3rd That we declare such stores that handle other goods and depend upon other goods than flowers to earn them a profit and livelihood, to be illegitimate flower stores and not recommendable to the Wholesale Grower of Flowers

4th. We hereby set our disapproval upon the method of any Grower or Dealer which lowers the standard and efficiency of our business, and we express our willingness to withdraw our entire support from such Grower or Dealer in the local market whose method tends in that direction.

We attest our sincerity by our names.

C. S. Macnair — Edw. M. Collamore.
J. F. Feller & Co — P. H. Sweeney
J. F. Wood
T. J. Johnston
Johnston Brother
T. D. Comer
Gilbert O. Westcott
Geo. Johnson
Wm. B. Hazard
Mary J. Hollock
Annie F. Peckham
William Appleton
James Cameron
D. W. Coid
Wm. E. Chappell.
James S. Canning

PROVIDENCE RETAILERS EXPRESS DISAPPROBATION OF GROWERS' METHODS.

AND NOW COMES EASTER

.....AT.....

RAYNOR'S

THE ORDER BOOK IS NOW OPEN FOR EASTER ORDERS

AND the Easter orders will be filled, as usual, with the choicest product of the most noted growers of flowers for the New York market. :: :: :: :: :: :: :: ::

Largest receipts in New York wholesale district of **American Beauty, Bride, Bridesmaid, Meteor** and **Liberty Roses.** High-grade **Lawson, Crane, Prosperity, Marquis, Scott, Norway** and other popular varieties of Carnations. :: :: :: :: :: :: :: :: :: :: ::

BULBOUS MATERIAL IN ENORMOUS SUPPLY.

Lily of the Valley, Daffodils, single and double; Hyacinths and Tulips, double and single, in all varieties. Lilies—Harrisii and Longiflorum. Sweet Peas, Asparagus, Smilax, Big Mignonette, Big Violets. Everything big but the prices. :: :: :: :: :: :: :: :: :: ::

Florists requiring the above or other cut flower specialties will find it to their advantage to send a list of their wants promptly and get a quotation on same. **None but good stock sent out.**

The name of RAYNOR on a box of flowers always means that the contents are good and the packing carefully done.

JOHN I. RAYNOR

WHOLESALE FLORIST, 49 West 28th St., NEW YORK CITY

In Quantity.

Murillo TULIPS

Double Pink.

Send Us Your

ORDERS

J.B.Deamud

Wholesale Cut Flowers

51 Wabash Ave. Chicago.

For Prices see page 277, as adopted by Chicago Wholesale Cut Flower Association.

We shall have the very finest lot of

Roses, Carnations Lilies, Tulips,

and other Stock for Easter.

Easter

Our Supply, as Usual, Will be Large and of Good Quality.

BEAUTIES, BRIDES, MAIDS, METEORS, PERLES,

CARNATIONS, VIOLETS, FERNS, ADIANTUM, ASPARAGUS,

HARRISII, CALLAS, NARCISSUS, VON SION, TULIPS,

In fact ALL SEASONABLE Stock.

Early orders will receive the best attention. Send for our quotations which will be mailed on the 20th inst.

Established 1878

E. H. HUNT

76 Wabash Ave , Chicago.

Long Distance 'Phone Central 1751.

NOTE—We have 700,000 Ferns in cold storage in excellent condition; can supply to the satisfaction of our customers.

"Not Made By a Trust" What? A. L. Randall's Prices.

I have for several seasons made the market on Cut Flowers according to **"supply and demand,"** by which I think all active trade of this nature should be regulated. I am still doing business at the old stand. Let me hear from you.

To Growers:
Our weekly "returns" show what we are doing for you.
A. L. R.

A. L. RANDALL,
4 Washington Street,
CHICAGO.

Good Easter Lilies.

WE ARE receiving and can ship for Easter or earlier, the same high grade of Lilies that has given so much satisfaction to those who have bought from us during the last three years.

All are guaranteed longiflorums. In prices we are prepared to meet competition. Price the same in pots or as cut blooms. Careful packing.

Send orders at once. You will buy cheaper than by waiting till the last moment. All other seasonable cut flower stock to suit every demand.

Watch for announcement of our opening Spring Plant Auction Sale, which will take place on April 4th.

Wholesale Cut Flower and Supply Dealers. Horticultural Auctioneers.

N. F. McCarthy & Co.
84 Hawley St., Boston, Mass.

GEORGE REINBERG

WHOLESALE GROWER OF CUT FLOWERS

When other houses fail to fill your orders try us. We will not fail. Give us your orders and see if we don't give you better satisfaction. Buy from the producer and get **Fresh Stock**, the best and cheapest.

51 Wabash Avenue, **Telephone Central 1937.** CHICAGO, ILL.

EASTER WHOLESALE PRICE LIST OF CUT FLOWERS. (See page 277)

BEST BRIDES AND MAIDS	$6.00 to	$8.00	per 100
GOOD " " "	5.00 "	6.00	"
PERLES	6.00 "	8.00	"
METEORS	6 00 "	8.00	"
ROSES, OUR SELECTION	3.00 "	5.00	"
AM. BEAUTIES, 36 to 40 inch.	5.00 "	6.00	per doz.
" 24 "		4 00	"
" 20 "		3.00	"
" 15 "		2.00	"
" 12 "		1.50	"
" 8 "		1.00	"
" Short		.75	"
HARRISII, Select	18.00 "	20.00	per 100
" Seconds	10.00 "	12.50	"
CARNATIONS, fancy	3.00 "	6.00	"

SMILAX	$15.00 to	$18.00	per 100
FERNS, ADIANTUM	1.00 "	1.50	"
" COMMON		3 00	per M
GALAX LEAVES	1 00 "	1.50	"
LILY OF THE VALLEY	3.00 "	4.00	per 100
ROMAN HYACINTHS	3.00 "	4.00	"
VIOLETS	.60 "	1.00	"
PAPER WHITE		4 00	"
ASPARAGUS	.50 "	.75	per st'g
LEUCOTHE SPRAYS		1.00	per 100
TULIPS	3.00 "	5 00	"
DAFFODILS	3.00 "	4.00	"
FREESIA	3.00 "	4.00	"

Place your order early for Easter and make sure of your supply. Orders cannot always be filled when received last day.

FOR EASTER...

American Beauties, finest grades,
Brides, Bridesmaids Meteors,
Lilies, Callas, Lily of the Valley,
Headquarters for Choice
Carnations and Best Violets.

Order Now..

Walter F. Sheridan,

39 W. 28th St., NEW YORK

New Geraniums FOR 1902

"J. D. Elsele," single, pure wine red. A zonale of most brilliant and new coloring, a splendid bedder, producing an abundance of large trusses.

"James Davidson," single, lavender lilac, a color which has never before been approached, shows almost a distinct blue color evenings. Trusses very large, a fine novelty. 35c each; $3.00 per dozen.

Novelties of former years, assorted and labeled, at $6.00 per 100.

HENRY EICHHOLZ, Waynesboro, Pa.

A 1 ROOTED CUTTINGS

CARNATIONS, McGowan, Wm. Scott, Day break and Flora Hill at $1.00 per 100. **AGERATUM,** white and blue, dwarf, the best bedding varieties, 75c per 100. Mme. Salleroi **Geraniums** from 2½-in. pots, extra strong, $2.50 per 100.

FRED WALTER, Le Roy, N. Y.

A Few Good Things You Want

SPECIAL EASTER PRICES.

KENTIA BELMOREANA and FORSTERIANA, special price to reduce stock. 2½ in., 8c; 3-in., 15c; 4-in. 25c; 5-in., 50c; 6-in., $1.00. 3, 4, 5-in **ARECA LUTESCENS,** 2 and 3 plants to a pot, same price. These are excellent lot of clean, cool growu plants.

BOSTON FERNS, 4c, 8c, 15c, 30c and 50c each.

DRACAENA INDIVISA, 3, 4, 5-in., 6c, 10c, 25c each.

CHINESE PRIMULA and CINERARIA fine plants, to close out, 3 and 4-in., 4c and 6c each.

GLADIOLUS BULBS, good mixture, $1.00 per 100.

GERANIUMS, 2-in., Bonnat, double and single Grant, La Favorite, S. A. Nutt, Atkinson, Salleroi, $3.00 per 100; 3-inch, $5.00 per 100; Poitevine, M. Harny, Kieber, John Doyle, Jaulin, Ricoard, Mrs. E. G. Hill, Perkins, $4.00 per 100.

CARNATIONS, rooted cuttings, Scott, McGowan, Portia, $1.00 per 100; E. Crocker, G. Lord, Marquis, $1.50 per 100; Prosperity, Lawson, Queen Louise, Floriana, $5.00 per 100; Kittatinny, white sport from Daybreak, $3.00 per 100.

ASPARAGUS SPRENGERI, 2-inch, $3.00 per 100; Plumosus, 3-inch, $8.00 per 100. Cash or C. O. D.

GEO. M. EMMANS, Newton, N. J.

WEILAND & RISCH

WHOLESALE GROWERS
AND SHIPPERS OF

CUT FLOWERS

59 WABASH AVE.

CHICAGO U.S.A.

PRICE LIST

FOR EASTER

		Per doz.
American Beauty, 30 to 40-inch	$5.00 to	$6.00
24 "		4.00
20 "		3.00
15 "		2.00
12 "		1.50
8 "		1.00
Short		.75
		Per 100
Meteor	$6.00 to	$8.00
Maids	6.00 to	8.00
Brides	6.00 to	8.00
Kaiserin	6.00 to	8.00
Golden Gate	6.00 to	8.00
Perle	5.00 to	8.00
Carnations	3.00 to	4.00
" fancy	5.00 to	6.00
		Per 100.
Harrisii, select	$18.00 to	$20.00
" seconds	10.00 to	12.50
Valley	3.00 to	4.00
Violets and Pansies	.75 to	1.25
Dutch Hyacinths	4.00 to	6.00
Daffodils	3.00 to	4.00
Tulips	3.00 to	5.00
Smilax, choice	15.00 to	18.00
Asparagus, per str'g	.50 to	.75
Galax, per 1000	1.00 to	1.50
Ferns "		3.00

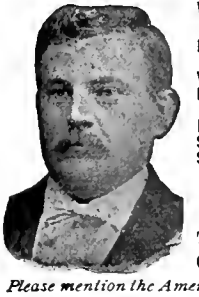
QUOTATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

Let us fill your Easter Order and rest assured of prompt and careful attention.

Order BOOK OPEN NOW FOR ALL CHOICE Easter Stock.

LONGIFLORUMS, BEST IN BOSTON MARKET.
POT PLANTS OR CUT BLOOMS.
SPECIAL VIOLETS, DAFFODILS, LILY of the VALLEY, TULIPS, CALLAS, CARNATIONS and ROSES. A FULL LINE of EASTER BASKETS.

Geo. A. Sutherland 34 Hawley St. Boston, Mass.



VERBENA KING

Rooted Cuttings now ready.
Express prepaid. 100 1000
Verbenas, named, $ .60 $5.00
Daisies, white and yellow..... 1.00 8.00
Heliotrope, 12 var. 1.00 6.00
Smilax, strong plt. 1.50
Salvias, 4 best vars. named, Rooted Cuttings..... 1.00 8.00
Big Boston and Plumosus in 4-inch pots, write.
That cash or C. O. D.

C. Humfeld, Clay Center, Kas.

Please mention the American Florist when writing.

AMERICAN BEAUTY ROSES.

First crop now ready. Strong plants from 2½-in. pots, **$5.00 per 100; $50.00 per 1000.**

Our young plants of American Beauty are exceptionally fine this year, and we extend a cordial invitation to intending planters to inspect our stock. Orders booked now for Spring delivery and will be filled in rotation.

ROBT. SCOTT & SON, Sharon Hill, Del. Co., Pa.

Please mention the American Florist when writing.

Aurora, Ill.

TRADE GOOD RIGHT THROUGH LENT.—POOR RESULTS WITH LILIES FOR EASTER.—DOINGS AT BATAVIA.—RAILROAD TO ENLARGE RANGE.—VARIOUS NOTES.

Business this winter has been good with all. The Lenten season was hardly felt and stock has moved very nicely with the exception of bulbous flowers, of which less have been sold than in former years. The prospect for a good Easter is bright and all stock is in excellent shape, with the exception of lilies. Of these such a large percentage were thrown out that, while in former years we shipped lilies to the Chicago market, this year we will hardly have enough. Smely, who never before lost over twelve per cent of his bulbs, had to throw out about seventy-five per cent of Harrisii and fifteen per cent of longiflorum. Bulbs received first proved the worst. One lot of Harrisii did not start to grow at all, although the bulbs even now appear sound. Our Batavia neighbors are better off. Williams & Sons Company, McAllister and the Bellevue Place Company each will have fine lots, mostly Harrisii. At the latter place they are cutting some splendid roses as well. A house of Bridesmaids and Brides several years old is worth looking at.

The Burlington railroad, which has quite an extensive greenhouse plant in Aurora, will in all probability greatly enlarge it. At present most of the glass is devoted to Meteor roses. A couple of houses of carnations and large numbers of bedding plants are also grown. Next season roses will be dropped altogether and carnations will be grown. Several kinds will be grown, but Anthony Warimont, who has charge, believes in Lawson, which will occupy as much or more space than all others.

W. R. Reese, who was in business with his father, R. Reese, and for the last two years Superintendent of Water Works of Aurora, is after the nomination for county clerk and has many friends.

J. M.

IRVINGTON, MD.—The greenhouses and business of Robert Schmidt were sold at auction for the trustee on March 1.

MECHANICSBURG, PA.—The greenhouses of J. M. Longsdorf have been sold to Mr. Gronbeck, who has had charge of them and who will remove them to another location. Mr. Longsdorf contemplates rebuilding on the same site.

Ivory

or White Golden Gate.

The Best White Rose

$6.00 PER 100.
27.50 PER 500.
50.00 PER 1000.
Ready Now.

W. A. Hammond

107 E. Broad St., Richmond, Va.

The Most Important Thing

To consider in buying Cut **Easter Lilies** is quality, not the price. Poor Easter Lilies are dear at any price. As in former years we will again have A No 1 Easter Lilies. It is still too early to set a price on Lilies, but you may be sure that we will bill them at the right price, as we do with everything.

Of course you understand that we have everything in the flower line, such as Roses, American Beauties, Carnations, Valley, Violets (our violets are the finest grown), Smilax, Daffodils, Tulips, Sweet Peas, Romans, Paper Whites, Asparagus, etc., etc.

FAVOR US WITH YOUR EASTER ORDER.

HOLTON & HUNKEL CO., Milwaukee, Wis.

CRESSBROOK. The coming Pink Carnation for everybody to grow.

Baltimore, Feb. 21, 1901, it scored 94 Points, the highest of any seedling. Cressbrook has never shown disease of any kind and is an extra free bloomer. Size of flowers under ordinary culture, 3 to 3½ inches.

Orders will be delivered in rotation on and after Jan. 1, 1902, at the following prices:

12 plants	$ 1.50	250 plants	$25.00
25 plants	3.00	500 plants	37.50
50 plants	5.00	1000 plants	75.00
100 plants	10.00		

C. WARBURTON, FALL RIVER, MASS.

Cressbrook may be seen growing at

THE E. G. HILL CO'S., Richmond, Ind., and at WM. NICHOLSON'S, Framingham, Mass.

Carnation Floriana

We believe this to be the best pink carnation introduced to date, was disseminated in the spring of 1901 by originators, Messrs. Fillow & Banks. Price, $6.00 per 100; $50.00 per 1000. 50 at 100 rate, 500 at 1000 rate. Less than 50, 8c each.

DAILLEDOUZE BROS. Carnation and Chrysanthemum Specialists, **FLATBUSH, BROOKLYN, N. Y.**

American Beauties

From 2x3-in. Rose Pots, **$6.00 per 100; $50.00 per 1000.**

JOSEPH HEACOCK, WYNCOTE, near Philadelphia, PA.

Am. Beauties ROOTED CUTTINGS

READY APRIL 1.
$25.00 PER 1000.

This stock is free from spot, thoroughly rooted and first class in every respect.

If not satisfactory or just as represented by us you can return same at once.

J. A. BUDLONG, 37 and 39 Randolph St., CHICAGO, ILL.

SUCCESSFUL SELLERS

are the successful growers who advertise in THE AMERICAN FLORIST.

DO NOT WAIT

UNTIL THE LAST MINUTE IN ORDERING YOUR

Easter Flowers

Place Your Order Now. We will protect your interests. Remember early ordering is advantageous to both buyer and seller.

EASTER PRICE LIST.

Adopted by the CHICAGO WHOLESALE CUT FLOWER ASSOCIATION, of which we are a member. See page 277.

	PER DOZ.
AMERICAN BEAUTIES, 30 to 40 inches	$ 5.00 to $ 6 00
" 24 "	4.00
" 20 "	3.00
" 15 "	2.00
" 12 "	1.50
" 8 "	1.00
" Short	75

		PER 100.	
BRIDES, MAIDS, METEORS, GATES	Special A Stock	$ 9.00 to	$10.00
	Select	6.00 to	8.00
	Good Average	5.00 to	6.00
PERLES, Fancy		6 00 to	8 00
" Medium		4 00 to	5.00
ROSES, Our Selection		3.00 to	5.00
LIBERTY		10.00 to	15.00
CARNATIONS, Extra Fancy		5.00 to	6.00
" Good Average		3.00 to	4.00

	PER 100	
EASTER LILIES, Select	18.00 to	20.00
" Seconds	10.00 to	12 50
TULIPS, Double	4.00 to	5.00
" Single	3.00 to	4.00
DAFFODILS, Double, Extra Fine	3.00 to	4.00
DUTCH HYACINTHS	4.00 to	6.00
VALLEY	3.00 to	4 00
ASPARAGUS, Per String, 50c to 75c		
" Sprays	3.00 to	4.00
" Sprengeri	4 00 to	6.00
COMMON FERNS, per thousand	$3	
"		.30
GALAX	1.00 to	1.50
SMILAX, extra heavy	15.00 to	18.00
LEUCOTHOE		1.00
ADIANTUM	1.00 to	1.50

1000 Bolts EASTER RIBBONS 1000 Bolts

We have just received a large Importation of Staple and Fancy Ribbons for Easter trade, including **Gauze, Satin, Taffetas, Fancy and Baby Ribbons.** This stock we are offering at unusually low prices and will fill orders at the following low prices as long as stock lasts. Can supply all colors at the following prices:

No. of Bolt	2	5	7	9	12	16	22	40	60	80
BEST SATIN, Special Brand	25c	50c	65c	75c	$1.00	$1.15	$1.25	$1.50	$2.00	.....
GAUZE RIBBONS	30c	50c	75c	$1 00	1.15	1.25	1 50	.....	1.75	$2.00
FANCY SATIN STRIPED	.....	.....	.....	.....	1 00	.....	.....	.....	1.50	2.00
BEST TAFFETA	25c	50c	65c	75c	1.00	1.15	1 25	1.50	.....	.....

BABY RIBBON, per spool, 45c; 6 spools, $2 50; 12 spools, $4 80, all colors.

VIOLET TIES, No. 1, per doz., $1.00: No. 2, per doz , $1.10; No. 3, per doz., $1.25; No. 4, per doz., $1 50.

SILK CORDS, Plain, No. 5, per doz., 50c; No. 6, per doz., 75c; No. 7, per doz., $1.00; No. 8, per doz , $1 50.

SILK CORDS, Plaited, No. 9, per doz., $2.00; No. 10, per doz , $2 50. Extra heavy.

CREPE PAPER, all colors, per roll, 10c; per doz., $1.00.

CREPE PAPER, waterproof, all colors, per roll, 25c; doz., $3.

CREPE PAPER POT COVERS, No. 1, per doz., $1.00; No. 2, per doz., $1.25; No. 3, per doz., $1.50. No. 4, per doz., $2.

COLORED TISSUE PAPER, all colors, per ream, $1.00.

WIRED TOOTHPICKS, per box of 1,000, $1.50.

In adition to above Easter goods our stock comprises a complete line of **Fancy Baskets** for both plants and flowers; **Pot Covers, Plant Stands, Cut Flower Vases, Fern Dishes, Silver Birch Bark Ware, Doves, Wheat Sheaves, Jardinieres, etc., etc.**

HEADQUARTERS FOR CUT FLOWERS OF ALL KINDS.

Send for prices on anything you may require; we are always pleased to quote prices on your needs.

Special Bargains in Seeds, Bulbs, Plants, Fern Balls and all seasonable stock.

McKellar & Winterson Co.

45-47-49 Wabash Ave., CHICAGO.

SPECIALTIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery,
CHRYSANTHEMUMS,
SMILAX, VIOLETS.

In Best Varieties

Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.

SMILAX.

Seedlings, 30c per 100, $2.50 per 1,000; 2-inch, $1 per 100; 3-inch, strong, $3 per 100; 200 Asparagus Plumosus, 2½-inch, $3 per 100. German Ivy, large plants, $1 per 100. Cash Please.

MRS. GRISWOLD, Worthington, Ohio.

BEGONIA GLOIRE DE LORRAINE,

2¼-inch pots, $15.00 per 100.

Write for prices on large lots. Stock guaranteed absolutely free from disease.

THOMAS ROLAND, Nahant, Mass.

A Full Line of Selected Easter Plants.

Longiflorum Lilies, Azaleas, Crimson Ramblers, Spiraeas, Hydrangeas, Genistas, Lilacs and Heather.

All up-to-date florists must have these things for their Easter sales. They can be packed and shipped in perfect order direct from the greenhouses. No better specimens have ever been offered.

Cut Flowers.

Lilies, Roses, Carnations, Bulbous Flowers of all kinds and Violets by the million.

Now is the time to order. Prices ready.

WM. GHORMLEY,

WHOLESALE COMMISSION DEALER IN CUT FLOWERS AND CHOICE POT PLANTS.

Telephone, 2200 Madison Sq. 57 West 28th Street, NEW YORK.

WIETOR BROS.

GROWERS AND WHOLESALERS OF

CUT FLOWERS.

51 WABASH AVE., CHICAGO.

CARNATION CUTTINGS.

Well Rooted, Clean and Healthy.

	Per 100	Per 1000
PROSPERITY	$5.00	$35.00
QUEEN LOUISE	4 50	40.00
NORWAY	4.00	35.00
LAWSON	3.50	30.00
CRANE	1.50	9.00
AMERICA	1.50	9.00
FLORA HILL	1.50	9 00
WHITE CLOUD	1.50	9.00
TRIUMPH	1.50	9.00
SPORT (Guardian Angel)	1.50	9.00
MARQUIS	1.50	9.00

Easter Price List.

AM. BEAUTY, extra long, per doz		$5.00 to $6.00
" 24-in. stem,	"	4.00
" 20 "	"	3.00
" 15 "	"	2.00
" 12 "	"	1.50
" 8 "	"	1.00
" Short		.75
METEOR	per 100,	$6.00 to $8.00
BRIDESMAID	"	6.00 to 8.00
BRIDE	"	6.00 to 8.00
PERLE	"	6.00 to 8.00
CARNATIONS	"	3.00 to 4.00
" fancy	"	5.00 to 6.00
HARRISH LILIES	"	10.00 to 20.00

All other stock at lowest market prices. No charge for packing. SUBJECT TO CHANGE WITHOUT NOTICE.

All Rooted Cuttings sold under express condition that if not satisfactory when received they are to be returned immediately, when money will be refunded.

FINE BEAUTIES
SELECT ROSES, A No. 1.
CHOICE CARNATIONS,
all the standard sorts.
EASTER LILIES AND ALL BULB STOCK.
VIOLETS, VALLEY.
ASPARAGUS.
ADIANTUM.
SMILAX.
FERNS.

J. A. BUDLONG

WHOLESALE GROWER AND SHIPPER OF CUT FLOWERS,

....CHICAGO.

37-39 Randolph St.

Special attention given to shipping orders. We can fill your orders when others fail. When you fail to get satisfaction elsewhere, just give us a trial. You'll find our service prompt. Remember we make no charge for "P. & D."

Store open from 7:30 a. m. to 6:00 p. m. Sundays and holidays to 12:00 m.

500,000 VIOLETS.

The Choicest of the Hudson River Product.

AND EVERYTHING ELSE IN LIKE QUANTITY
AND QUALITY FOR THE EASTER TRADE.

Ford's Easter shipments have always given satisfaction. The stock shipped is from the most skillful growers and strict attention is given to correct and careful filling of orders.

We have Lilies, Tulips, Hyacinths, Callas, Daffodils, Roses, Fancy Carnations, Lily of the Valley, Sweet Peas and Asparagus in full supply, and those giving orders in advance will be given benefit of favorable prices.

FORD BROTHERS,

Tel. 157 Madison Square. 111 West 30th Street, NEW YORK.

PROTECT YOURSELF!

against disappointment by placing your orders now for Easter Week. Let us know NOW what you want and we will take good care of you.

LILIES

In pots and cut flowers. They are fine, but DON'T wait until the last moment.

CARNATIONS

Name your colors now and you will be accommodated. Stock A 1 in quality.

ROSES

The best in the country. All varieties. American Beauty, Bride, Bridesmaid.

VIOLETS

are GOOD and low in price.

Lily of the Valley, Daffodils, Tulips and miscellaneous bulb stock in abundance.

PRICE LISTS READY NOW

WELCH BROTHERS
15 Province Street, Boston, Mass.

CITY HALL FLOWER MARKET

Cut Flowers for Easter

WE ARE PREPARED to furnish a large and extra quality line of stock for Easter. Although Lilies are reported scarce all over the country, we are able to offer a large quantity of fine blooms. Send your order early and you will not be disappointed.

Benthey & Co.

GROWERS AND WHOLESALE FLORISTS,

35 Randolph Street,
CHICAGO.

GREENHOUSES:
New Castle, Ind.

PRICES FOR EASTER WEEK.

		Per 100
Easter Lilies,	select	$18.00 to $20.00
"	seconds	10.00 to 12.50
		Per doz.
Am. Beauties,	30 to 40-inch	$5.00 to $6.00
"	24 "	4.00
"	20 "	3.00
"	15 "	2.00
"	12 "	1.50
"	8 "	1.00
"	Short	.75
		Per 100
Brides, Bridesmaids, Meteor, Gates, Perles		6.00 to 8.00
Seconds		3.00 to 5.00
Carnations, fancy		5.00 to 6.00
" average quality		3.00 to 4.00
Tulips, single		3.00 to 4.00
" double		4.00 to 5.00
Narcissus, Romans		3.00 to 4.00
Valley		3.00 to 4.00
Daffodils, double and single		3.00 to 4.00
Dutch Hyacinths		4.00 to 6.00
Mignonette		2.00 to 4.00
Smilax		15.00 to 18.00
Adiantum		1.00 to 1.50
Common Ferns, per 1000, $3.00		

Easter Price List

As Adopted by the

Chicago Wholesale Cut Flower Association

	Per Doz.
BEAUTIES, 30 to 40 inch stem	$5.00 to $6.00
" 24 " "	4.00
" 20 " "	3.00
" 15 " "	2.00
" 12 " "	1.50
" 8 " "	1.00
" short "	.75

		Per 100.
BRIDES, MAIDS, METEOR, GATES,	Special A Stock	$9.00 to $10.00
	Select	6.00 to 8.00
	Good Average	5.00 to 6.00
PERLES, Fancy		6.00 to 8.00
" Medium		4.00 to 5.00
LIBERTY, Fine		10.00 to 15.00
ROSES, Our Selection		3.00 to 5.00
CARNATIONS, Extra Fancy		5.00 to 6.00
" Fancy, Good Average		3.00 to 4.00

BULB STOCK.

	Per 100.
EASTER LILIES, Select	$18.00 to $20.00
" " Seconds	10.00 to 12.50
TULIPS, Double	4.00 to 5.00
" Single, All Colors	3.00 to 4.00
DAFFODILS, Double, Extra Fine	3.00 to 4.00
DUTCH HYACINTHS	4.00 to 6.00
LILY OF THE VALLEY	3.00 to 4.00

GREEN STOCK.

ASPARAGUS, Per String		$0.50 to $0.75
" Sprays	Per 100	3.00 to 4.00
" Sprengeri	"	4.00 to 6.00
COMMON FERNS	Per 1,000	3.00
" "	Per 100	.30
GALAX LEAVES	Per 1,000	1.00 to 1.50
SMILAX, Extra Heavy	Per 100	15.00 to 18.00
LEUCOTHOE SPRAYS	"	1.00
ADIANTUM	"	1.00 to 1.50

E. C. AMLING, BASSETT & WASHBURN, BENTHEY & CO.,
J. A. BUDLONG, J. B. DEAMUD, FRANK GARLAND,
E. H. HUNT, KENNICOTT BROS. CO., McKELLAR & WINTERSON CO.,
JOHN MUNO, POEHLMANN BROS. CO., GEO. REINBERG,
PETER REINBERG, WEILAND & RISCH, WIETOR BROS.

Bassett & Washburn

WE ONLY HANDLE THE STOCK WE GROW AND BY BEING

SPECIALISTS

in the following items it is evident that we can serve you better than those handling general lines of all kinds of stock.

American Beauties. We have planted 50,000 plants in new houses built especially to grow Beauties.

Brides, Bridesmaids, Liberty, Meteors and Perles. 100,000 plants and they are fine.

Fancy Carnations, Mrs. Lawson, Prosperity, Lorna, Norway, Marquis, Morning Glory, Crane, America, White Cloud, Gold Nugget, Joost and Hill, 75,000 plants. This is the finest stock of all fancies in this country.

EASTER LILIES, Dutch Hyacinths, Fancy Tulips, both Single and Double, All Colors. Very large double DAFFODILS.

Greens. We have 6,000 Asparagus Plumosus, 6,000 Sprengeri, 12,000 Smilax and three houses of Maidenhair Ferns.

Buy Your Flowers Direct from the grower, and thereby get better and fresher stock and save the rehandling charges of the middlemen.

BASSETT & WASHBURN

Greenhouses, Hinsdale, Ill. L. D. Phone, Hinsdale 10.

Store, 76 and 78 Wabash Ave., Chicago, Ill. L. D. Phone, Central 1457.

Here's a Cash Buyer

I want offers from growers of good Lilies, Roses, Carnations or other desirable Easter Flowers in quantity. I have customers for the goods if quality and prices are right. Step up quick with your invoices.

CHARLES MILLANG

Tel. 1304, Madison Sq. - - - 50 W. 29th St., New York.

Shipping Easter Flowers

is a business you cannot fool with. Knowing that more good flowers are spoiled through inexperienced packing than from any other cause we take especial pains in this feature of our business, which explains why our Easter shipping trade was doubled last year. This will be another BIG EASTER and at the prices we are quoting you can use a big lot of flowers and make a big profit on them.

We have the kind your customers want. The best Longiflorums in the country. Every flower salable. A tremendous line of bulb stock and violets and no advance in prices. We have a rose bargain for the early applicant. We are ready and

IT'S UP TO YOU

TRAENDLY & SCHENCK

38 W. 28th Street,

Telephones 798 and 799 Madison Sq. . . . . NEW YORK.

50,000 CANNAS START NOW. Strong roots, two eyes and more, $4.00 per 100. Mme. Crozy, Florence Vaughan, Philadelphia, Paul Bruant, Golden Moon, Alsace, white, Duke of Marlborough, Alphonse Bouvier, Queen Charlotte, Alba Rosea, Italia, Martha Washington, $8 00 per 100. Pink Rosemawr, $8.00 per 100. Maiden's Blush, pink, $6 00 per 100. President McKinley, $6.00 per 100. Chas. Henderson, Burbank, Austria and Robusta Perfecta, bronze, $3.00 per 100. Fine mixtures for massing, $1.50 per 100.

Extra fine two year old **Crimson Rambler** for potting at once, 3 to 4-ft., 15c; medium 2 year old, 10c. **Santolina** Incana, stock plants, 4-in., 6c; rooted cuttings, $2 00 per 100. **Swainsonia** alba, 2½-in., $2.00 per 100. Rooted cuttings of **Carnations:** Ethel Crocker, Mrs. F. Joost, Genevieve Lord and Mack Richmond, red, $2.00 per 100; Wm. Scott, $1.00 per 100. Fall runners of **California Violets,** $1.00 per 100; Princess of Wales, $1.50 per 100; Lady Hume Campbell, $1.50 per 100. **Herbaceous Pæonias,** all colors, unnamed, 50 for $3 00; 100 for $5.00. **Clematis Paniculata,** 1 year, $4.00 per 100; 2 year, $6.00 per 100. Clematis Jackmani, Henryi and Mme. Andre, $2.50 per dozen. CASH PLEASE.

BENJ. CONNELL, WEST GROVE, PA.

California,

We have some choice Hybrid Carnation Seed from Lawson, Crane, Marquis, Cloud and Maceo, 100 seeds 25c. New Giant of California Pansy seeds, very large flowers, trade packet 25c; 1 oz. $4. Giant of California Pansy Plants, ready to transplant, $2.50 per 1000.

MITTING FLORAL COMPANY,

LOOMIS, CALIFORNIA.

THE AMERICAN FLORIST'S

COLOR CHART

PRICE 15 CENTS POSTPAID.

AMERICAN FLORIST CO., 322 Dearborn St. Chicago

CANNAS 2, 3 or more eyes, Mme. Crozy, A. Bouvier, Phila., Crimson Bedder, M. Bouchaud, Queen Charlotte, P. Marquant, etc., $2.00 per 100; Duke of Marlborough, Black Prince, new, $3.00 per 100. Finest mixture of all colors, $1.00 per 100.

FOR EASTER! CINERARIAS, Benary & Cannell's Prize Strains, 3-in., $3.50 per 100. **STOCKS,** German dwarf, wall flower-leaved, blue, white, red, each kind, 2-in., $2.00 per 100. Cash please.

Shellroad Greenhouse Co., Grange, Baltimore, Md.

500,000 VERBENAS.

60 finest named varieties, including our **NEW MAMMOTH WHITE, "MRS. McKINLEY."** The finest white verbena grown; perfectly healthy; free from disease. Rooted cuttings, 60c per 100; $5 00 per 1000. Plants, $2.50 per 100; $20.00 per 1000. Our list is the choice of millions of seedlings. Send for circular.

J. L. DILLON, BLOOMSBURG, PA.

ELECTROS

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock. Our collection includes the leading

ANNUALS
BIENNIALS
HARDY PERENNIALS
POT PLANTS
FLORISTS' FLOWERS
TREES AND SHRUBS
Also PARK AND GARDEN SCENERY.

PRICE FOR CASH ONLY 15 CENTS PER SQUARE INCH

THE AMERICAN FLORIST CO.

.....324 Dearborn Street, CHICAGO, ILL.

Lafayette, Ind.

DORNER PLACE SHOWS MANY FINE SEEDLINGS.—HUNDREDS IN THEIR SECOND AND THIRD YEAR'S TRIAL.—GOOD VARIETIES FOR LOCAL USE NOT TO BE DISSEMINATED BECAUSE FLOWERS TOO SMALL.

It was C. W. Ward, who, in his happy speech at the Baltimore banquet a year ago, likened Fred. Dorner, Sr., to Socrates of old. The comparison was apt and in no wise exaggerated. Fred. Dorner unquestionably possesses the attributes of the true philosopher and, like all great men in their chosen work, modesty coupled with honesty of purpose and firmness of conviction are not the least attractive attributes which charm the stranger upon first meeting this prince of carnation growers.

It is not my purpose, however, to dwell upon Mr. Dorner's personal qualities. What I beheld during a recent visit to his place proved, so to speak, an "eye opener." Seedlings, seedlings and seedlings, one of the largest houses being entirely devoted to their care. There are seedlings of the first, second and third year's trial. To be more exact, there are 289 of the second year and over 350 of the 1901 hybridization. Among these I noticed several white ones, which bid fair to outdo all the existing varieties, veritable giants and marvels of productiveness. Pinks seem to head the list and no sooner would I become charmed with one than a second, a third and a fourth of the same class would claim my attention. Then there are scarlets, some the acme of perfection as "fancies" and others, it seemed to me, the very thing for the average grower, where quantity is of the first consideration.

In crimsons there are several which look most promising indeed and yellow and striped varieties are equally attractive. Mr. Dorner, I may add, has devised a system whereby he can trace the pedigree and record of every seedling on his place. He takes no chances. A seedling advanced to the third year's test, like the school boy promoted to the higher grade, must prove itself meritorious, else out it goes. In this respect he is very strict, nor is he inclined to parade his favorites and dwell upon their good qualities only. On the contrary, if there is a fault about any, he himself will be the first to point it out.

There are, for example, a number of seedlings on his place which some growers, I am sure, would consider the best that "ever happened," and well worthy of dissemination. In Mr. Dorner's opinion, however, the best that should happen is to put them on the retired list at once and thus spare a good deal of disappointment to the growers.

The four varieties introduced this season are unquestionably meritorious. Two medium sized seedlings, No. 130, crimson, and No. 58, a beautiful pink, both of 1898 hybridization, attracted my attention. What they lack in size they certainly make up in quantity of bloom and vigor of growth. Because of their lack of size they will not be disseminated, but for local use both prove themselves worthy of all the space given them. A stroll through the rose, palm, smilax and asparagus houses was not the least interesting feature of my visit. Everything about the establishment is in the pink of condition. NOMIS.

Roses Brides, Maids and Golden Gates. 2½ inch stock in fine condition. $2.25 per 100; $18 per 1000. Ready for delivery.
West View Floral Co., Knightstown, Ind.

Carnation Cuttings Perfectly Healthy. Propagated From Choice Stock. NOW READY.

Queen Louise. The Best White Commercial Carnation, $5.00 per Hundred; $40.00 per Thousand.

	Per 100	Per 1000
PROSPERITY	$6.00	$50.00
MRS. THOS. LAWSON	4.00	35.00
GOV. ROOSEVELT	6.00	50.00
HOOSIER MAID	4.00	
IRENE	4.00	
NORWAY	4.00	
EGYPT	4.00	
MRS. BERTRAM LIPPINCOTT	3.00	25.00
MARQUIS	2.50	20.00
MRS. G. M. BRADT	3.00	
CHICAGO	3.00	
MACEO	2.00	
BUTTERCUP	4.00	

	Per 100	Per 1000
GOMEZ	$2.00	
CROCKER	1.50	$12.50
GENEVIEVE LORD	1.50	12.50
G. H. CRANE	2.00	15.00
VICTOR	2.00	
WM. SCOTT	1.50	12.50
DAYBREAK	1.50	12.50
ELDORADO	1.50	12.50
JUBILEE	1.50	12.50
FLORA HILL	1.50	12.50
TRIUMPH	1.50	12.50
PORTIA	1.50	12.50
WHITE CLOUD	1.50	12.50

J. L. DILLON, Bloomsburg, Pa.

CARNATION CUTTINGS.

We are in a position to supply strictly clean, healthy, well rooted Carnation Cuttings. All the novelties and standard sorts. Whatever your wants, let us quote prices before you place an order. We can interest you. Also on

Violet Plants

LADY CAMPBELL violets, sand rooted cuttings, $8 per 1000.

SWANLEY WHITE violets, sand rooted cuttings, $10 per 1000.

LADY CAMPBELL plants from 2-in. pots, $25 per 1000.

SWANLEY WHITE plants from 2-in. pots, $30 per 1000.

Remember that when it comes to

Wire Work

we can **Discount Any** list you ever saw, **Our Own** included. Write.

KENNICOTT BROS. CO.

WHOLESALE COMMISSION FLORISTS,
42-44 Randolph St., Chicago.

It is not much trouble to mention the AMERICAN FLORIST when corresponding with an advertiser.

HEADQUARTERS for EASTER PLANTS
BLOOMING EASTER WEEK

I have the largest stock in Philadelphia; 7 large houses and some hot beds, are crowded with them. Secure your supply by ordering now.

AZALEA INDICA

As I am agent for a large concern in Belgium and being a large importer of these choice Easter plants, I can sell you these direct at first hand and not through a middleman. Mme. Van der Cruyssen is a rare article this Easter. I was fortunate enough to get all this variety in Belgium I wanted and can offer you plants at the following prices: 5-in. pots, 40c to 50c; 6-in. pots, very bushy and large, fine shape, $1.00; specimens 7 and 8-in. pots, $1.25 and $1.50 each; extra choice specimens, very large, can't be beat, 9 and 10-in. pots, $3.50, $4.00, $5.00 each. Other varieties of Azaleas, such as Bernard Andre Alba, (white), also other white, Princess of India, Prof. Wolters, and other varieties of my own selection, 6-in. pots, 50c, 60c, 75c, $1.00 each; larger plants from $1.25 to $1.50 each. Also 5-in. pots, 40c each.

Cineraria—I have an immense quantity, best colors, 5½ and 6-in. pots, $3.00 to $4.00 per doz.

Spiræa Compacta and Floribunda, perfect jewels, 5½ and 6-in. pots, $3.00 to $4.00 per doz

Hydrangea Otaksa, 6-in. pots, $3.00 to $4.00 per doz.; 7-in. pots, 60c, 75c and $1.00 each.

Begonia, Pres. Carnot, Metallica and other good varieties, 5½ and 6-in. pots, $3.00 to $4.00 per doz.

Begonia Vernon, very fine, red, large, 4-in. pots, $1.50 per doz. Other good mixed varieties, 4-in. pots, $1.20 per doz.

Daisies, (white), Marguerite, 5½ and 6 in. pots, very bushy, $3.00 to $4.00 per doz.

Yellow Daisies, 5½ and 6-in. pots, $3 to $4 per doz.

Lilium Harrisii, raised from Henry F. Michell's selected 7-9 bulbs, ($100 per 1000) fine plants, 6-in. pots, from 5 to 10 buds to a plant at the rate of 10c per bud. No Lilies sold by themselves—other plants must accompany the order.

Dracæna Bruanti, 6-in. pots, 25 inches high, very fine, 60c.

Dracæna Indivisa, (imported), very large for decoration, 7-in. pots, 75c to $1.00 each.

Hyacinths, my own importation, raised from the finest named bulbs all colors, 4-in. pots, $10 a 100.

Tournesol Tulips, (double red and yellow striped), 3 in a pot, $1.50 per doz. pots. Belle Alliance, (single), scarlet striped, 3 in a pot, $1.75 a doz pots

Daffodils, (Von Sion). 3 in a 5-in. pot, $1.50 to $1.75 per doz. pots.

Azalea Mollis, 6-in. pots, 50c each.

Cash with order please. Money can be sent safely by postoffice or express money order or bank draft. All goods shipped at purchaser's risk.

A few of many references:

Henry F. Michell, 1018 Market St., Philadelphia.

Thos. Logan, head gardener to W. L. Elkins, Jr., Ashbourne, Pa.

Geo. Huster, head gardener of the Girard College, Philadelphia, Pa.

Wm. Kleinheinz, head gardener to P. A. B Widener, Esq., Ogontz, Pa.

State whether shall ship plants in pots, or not, to save express charges.

Buyers coming to Philadelpha are invited to visit my place and inspect stock.

GODFREY ASCHMANN,
Wholesale Grower and Importer of Pot Plants,
1012 Ontario Street, Philadelphia, Pa.

Boston Ferns

Fine, strong, young plants, $3.00 per 100; $27.50 per 1000.

Edwin Lonsdale, Wyndmoor, Chestnut Hill, Pa.

FOUR NEW CARNATIONS FOR 1902

Sales Limited to 25,000 of each Variety. Orders Filled in Rotation as Received and Booked.

ALBA—A white, never showing any trace of color, largest size and perfect form.

STELLA White penciled pink. Comes into flower early and shows a mass of buds and bloom throughout the entire season. This is undoubtedly the most satisfactory of all the variegated carnations where large flowers in quantity are wanted at all times.

DOROTHY WHITNEY—The best commercial yellow we have ever grown. It gives quantity, of the best form and strong stems all through the season.

APOLLO—The brightest scarlet in the commercial class. It is much brighter than Crane, of equal size bloom and better stems. Early and very free.

Prices: $12.00 per 100; $27.50 per 250; $55.00 per 500; $100 per 1,000. 250 of Each of Above Four Varieties for $100.

The Cottage Garden Novelties.

J. H. Manley—a large early and free scarlet.
Viola Allen—white edged and splashed rose pink.
Harry Fenn—new Harvard crimson.
Violania—sport of Bradt with less markings.
Price—$12.00 per 100; $27.50 per 250; $55.00 per 500; $100 per 1,000.

Other 1902 Novelties.

Gaiety—(Hill), white striped scarlet. $10.00 per 100; $75.00 per 1,000.
Cressbrook—(Warburton), pink. $10.00 per 100; $75.00 per 1,000.
Mrs. E. A. Nelson (Nelson), pink. $10.00 per 100; $80.00 per 1,000.

We can supply good stock of the 1901 introductions—Lorna, Roosevelt, Norway, Golden Beauty, Novelty, Dorothy, Prosperity, Mermaid, Irene and Egypt. Also the good standard varieties—Morning Glory, Lawson, Marquis, Crane, White Cloud, Bradt, Glacier, Maceo, Joost and others.

WE SHIP ONLY THE BEST STOCK. IF YOU HAVE NOT ALREADY RECEIVED OUR PRICE LIST, SEND FOR IT AT ONCE.

F. DORNER & SONS CO. Lafayette, Ind.

The GUARDIAN ANGEL FLORIST, Chicago.

PRICE LIST of Rooted Carnation Cuttings.
NEW AND STANDARD VARIETIES.

The Guardian Angel is the best commercial pink carnation in the market to-day. It is a good keeper; its growth is strong and vigorous; it never bursts and is never off crop. Received 1st prize at Horticultural Exposition and first-class Certificate of Chicago Florists' Club for best pink. Rooted cuttings, $2.00 per 100, $15.00 per 1000.

NEW VARIETIES	Per 100	Per 1000
PROSPERITY, white overlaid with pink	$6.00	$50.00
QUEEN LOUISE, white	5.00	40.00
BON HOMME RICHARD, white	5.00	40.00
IRENE, pink	5.00	40.00
GENERAL LIST		
FLORA HILL, white	1.25	10.00
WHITE CLOUD, white	1.25	10.00
MRS. LAWSON, pink	4.00	35.00
MARQUIS, pink	1.50	12.00
ESTELLE, scarlet	6.00	50.00
G. H. CRANE, scarlet	2.00	15.00
MRS. BRADT, variegated	2.50	20.00
ARMAZINDY, variegated	1.25	10.00

THE GUARDIAN ANGEL FLORIST,
401 Devon Avenue, Sta. Y. CHICAGO.

NEW CARNATIONS.

	Doz.	100	1000
CRESSBROOK	$1.50	$10.00	$75.00
ENQUIRER	3.00	12.00	100.00
FAIR MAID	2.00	10.00	75.00
GAIETY	1.50	10.00	75.00
J. H. MANLEY	2.00	12.00	100.00
HARRY FENN	2.00	12.00	100.00
VIOLA ALLEN	2.00	12.00	100.00
NORWAY		6.00	50.00
FLORIANA		6.00	50.00
ALBA	2.50	12.00	
STELLA	2.50	12.00	
DOROTHY WHITNEY	2.50	12.00	
APOLLO	2.50	12.00	

Also other new and standard varieties.

Chrysanthemums.

We offer all of the new varieties of 1902; also the best of 1901. A large number of last year's novelties and leading standard varieties ready now, from 2½-inch pots. Send for list.

Correspondence solicited.

H. WEBER & SONS,

OAKLAND, MARYLAND.

50,000 Rooted CARNATION CUTTINGS

to dispose of yet; all well rooted and free from disease.

	Per 100	Per 1000
Queen Louise	$5.00	$40.00
Flora Hill, Dayhreak	1.25	10.00
Crane, America, Crocker	1.50	12.00
Lippincott, Melba	1.25	10.00
Lizzie McGowan	1.25	10.00
White Cloud	1.50	12.00

5000 BRIDESMAID ROSES, in 2½-inch pots, $2.00 per 100; $20.00 per 1000.

Special prices on large orders. Cash with order.

MERCER FLORAL CO.,
TRENTON, N. J.

California Carnations.

Our cuttings are rooted without fire heat and are strong, hardy and well rooted. They are so far superior in every way to cuttings rooted by fire heat that they should not be mentioned in the same connection. We guarantee safe arrival and satisfaction.

	Per 100	Per 1000
QUEEN LOUISE, white	$4.00	$30.00
MERMAID, fine salmon pink	3.00	20.00
G. H. CRANE, scarlet	1.50	12.00
MRS. F. JOOST, fine pink	1.00	8.00

Giant of California Pansy Plants, 50c per 100; $2.50 per 1,000. Giant of California, transplanted plants, $5 per 1000—100 sent at 1000 rates.

TERMS CASH WITH ORDER.

THE LOOMIS FLORAL CO.,
LOOMIS, CALIFORNIA.

THE MRS. E. A. NELSON

bids fair to become the **Commercial** standard pink carnation. It is an early, free and continuous bloomer and it is sure to do well wherever grown. Orders booked now for delivery latter part of March. For prices, see AM. FLORIST, Feb. 15.

E. A. NELSON,
3503 N. Senate Ave., INDIANAPOLIS, IND

Lowell, Mass.

GOOD WEATHER MAKES BUSINESS GOOD.—PLENTY OF STOCK IN NEARLY ALL LINES.—LOCAL GROWERS SHOW AT BOSTON.

The weather continues to hold fine, and we hope it will continue until after Easter. About the only shortage that was noticed last week was red roses. Perhaps it was due to the fact that the Prince was being entertained in Boston. Business is in a fairly good way; at times it is rather brisk. One good thing, however, is that there is plenty of good stock available at a moments notice. At the present time violets are to be had at any old price, but then this will soon change, as Easter is nearing.

Tewksbury was well represented at the carnation show held in the Boston Flower Market Saturday, March 8. M. A. Patten took many first prizes. Louis Small showed some Marquis that were of fine quality and A. C. Roper had a fine vase of his seedling carnation, Fairmaid.

J. J. McManamon was elected town treasurer for the town of Dracut on March 3, his opponent having held the office for over twenty-six years.

Patten has a good way of telling customers when Easter comes. Every box or package sent out contains a little card neatly printed. A. M.

Marietta, O.

GROWER HAS EXTRA QUALITY SWEET PEAS.—HIGH WATER MAKES TROUBLE.—OTHER NOTES.

J. W. Smith has his window decorated with spiræa, lilac and hyacinths. His houses at Williamstown, W. Va., which are in charge of his brother, Dr. Charles H. Smith, are in fine shape and he is cutting some choice carnations and fine sweet peas of bright color, the latter with twelve-inch stems.

High water struck town on March 3 and a heavy storm left ten inches of snow behind, but it quickly melted under the influence of bright sun and added to the flood.

Stock is plentiful, such as violets, sweet peas, carnations and bulbous flowers, and are in fine condition, but good roses are scarce.

Mrs. Norval Kiger has a splendid lot of Easter lilies, averaging thirty inches in height. L.

All The Best CARNATIONS

Cressbrook (pink), Oriole (scarlet), Mrs. Nelson (pink), $1.50 per doz.; $10 per 100.

Mrs. Palmer (scarlet), Mrs. Higinbotham (salmon pink), Alba (large white), Stella (variegated), Dorothy Whitney (yellow), Apollo (scarlet), $2.00 per doz.; $12.00 per 100.

	Per 100	Per 1000
Estelle, Best Scarlet	$5.00	$40.00
Norway, Large White	5.00	45.00
Prosperity, Fancy	6.00	45.00
Queen Louise, White	5.00	45.00
Dorothy, Productive Pink	5.00	45.00
Morning Glory, Lt. Pink	2.50	20.00
Marquis, Largest Pink	2.50	20.00

Fine stock of rooted cuttings of above and twenty-five other kinds. Get our prices on what you need.

GEO. HANCOCK & SON,
GRAND HAVEN, MICH.

Please mention the American Florist when writing.

ROOTED CUTTINGS

CARNATIONS.

	Per 100	Per 1000
MRS. POTTER PALMER	$12.00	$100.00
MRS. HIGINBOTHAM	12.00	100.00
PROSPERITY	4.00	30.00
NORWAY	5.00	40.00
IRENE	3.00	25.00
MRS. LAWSON	3.00	25.00
MARQUIS	1.25	10.00
G. H. CRANE	1.25	10.00
FLORA HILL	1.25	10.00
MRS. JOOST	$1.00	$6.00
WHITE CLOUD	1.25	10.00
EVANSTON	1.00	6.00
MRS. INE	1.25	10.00
WM. SCOTT	1.00	6.00
GENEVIEVE LORD	1.25	10.00
ETHEL CROCKER	1.25	10.00
GUARDIAN ANGEL	1.25	10.00
ARGYLE	1.00	6.00
AMERICA	1.25	10.00

ROSES.

	Per 100	Per 1000
METEOR	$1.50	$12.50
PERLE	1.50	12.50
BRIDE	1.50	12.50
BRIDESMAID	$1.50	$12.50
GOLDEN GATE	1.50	12.50

ROSE PLANTS from 2½-in. pots.

	Per 100	Per 1000
METEOR	$3.00	$25.00
PERLE	3.00	25.00
BRIDE	3.00	25.00
BRIDESMAID	$3.00	$25.00
GOLDEN GATE	3.00	25.00
KAISERIN	3.00	25.00

The above named stock is clean, well rooted and free from disease.

GEO. REINBERG, 51 WABASH AVENUE, CHICAGO.

ROOTED CUTTINGS of Carnations and Roses.

All Clean, Healthy Stock, Grown Cool.

CARNATIONS.

	Per 100	Per 1000
PINK VARIETIES.		
MRS. LAWSON	$4.00	$35.00
MARQUIS	3.00	25.00
MORNING GLORY	3.00	25.00
ETHEL CROCKER	2.00	12.50
MRS. F. JOOST	1.50	12.50
WHITE VARIETIES.		
NORWAY	5.00	40.00
WHITE CLOUD	1.50	12.50
FLORA HILL	1.50	12.50
RED VARIETIES.		
RED MRS. BRADT	2.50	20.00
G. H. CRANE	2.00	17.50
AMERICA	2.00	15.00
VARIEGATED VARIETIES.		
PROSPERITY	6.00	50.00
MRS. BRADT	2.50	20.00
MAROON VARIETIES.		
GEN. MACEO	1.50	12.50
YELLOW VARIETIES.		
GOLD NUGGET	3.00	25.00
ROSES.		
BRIDES, BRIDESMAIDS, METEORS	1.50	12.50
PERLES	2.00	15.00

Orders for less than 25 of one variety charged extra. All plants shipped from Hinsdale.

Bassett & Washburn,
STORE: 76 WABASH AVE.
GREENHOUSES: HINSDALE, ILL. CHICAGO.

ROSES Crimson Rambler Climbing Clothilde Soupert.

Ramblers, 3 to 4½ ft., well branched... $10 per 100
" 2½ to 3 ft., " " ... 8 per 100
" 1½ to 2½ ft., " " ... 6 per 100
Soupert, strong field-grown plants..... 15 per 100

The Conard & Jones Co, West Grove, Pa.

SYLVIA A NEW WHITE CARNATION.

As a free and continuous bloomer it beats anything we have ever grown; flowers average 2½ to 3 inches in diameter. Rooted cuttings now ready, $8 per 100; $75 per 1000.

WOODFALL BROS., Glen Burnie, Md.

Mrs. Palmer

Certificated at Indianapolis, Montreal, St. Louis Chicago, Kansas City.

Absolutely the best scarlet carnation ever introduced. $12.00 per 100; $100.00 per 1000.

Mrs. Higinbotham

Certificated at Indianapolis, Chicago, Kansas City, St. Louis.

Promises to become the standard light pink; will stand in the same position as did Daybreak, ten years ago. $12.00 per 100; $100.00 per 1000.

Chicot

Large white faintly striped in midwinter; extremely fragrant; finest constitution; more profitable than any standard on our place last season and is doing even better now. $6.00 per 100; $50.00 per 1000.

Other Fancy Varieties

Some of which may be had from soil.

	Per 100	Per 1000
LAWSON, pink	$3.00	$25.00
BON HOMME, white	3.00	25.00
JOOST, pink	1.50	10.00
MACEO, crimson	1.50	10.00
PROSPERITY, variegated	4.00	30.00
HOOSIER MAID, white	3.00	25.00
WHITE CLOUD, "	1.50	10.00
GOV. ROOSEVELT, crimson	5.00	45.00
IRENE, pink	3.00	25.00
MARQUIS, "	2.00	15.00
ESTELLE, scarlet	5.00	45.00
CRANE, "	2.00	15.00
SUNBEAM, Lt. pink	3.00	25.00
G. LORD, pink	1.50	12.50
BRADT, variegated	2.00	15.00
AVONDALE	2.00	15.00
NORWAY	5.00	40.00

Chicago Carnation Co.
JOLIET, ILL.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns

THE SENSATIONAL NEW ROSE FOR 1902

MRS. OLIVER AMES

This grand rose is a sport from Mrs. Pierpont Morgan and possesses the same vigorous habit, fine glossy foliage of deep green, erect, stout stem and even more free flowering qualities. The flowers are very full and large, averaging 4 inches in diameter when in perfection. The color is a lovely soft blush with a little deeper shading in the center and on the edges of the petals, and a delicate tint of yellow at the base of the petals, making it the most beautiful of all the delicate colored roses ever offered; its keeping qualities are unsurpassed. In short it is the ideal rose in size, color, form, stem, foliage and free flowering qualities.

It has taken five large Silver Medals, namely:—At the New York Show, Oct. 30th, 1901; Newport, Rhode Island, Show, Nov. 5, 1901; Orange, New Jersey, Show, Nov. 12, 1901; Philadelphia, Pa., Show, Nov. 13, 1901; New York Florists' Club, Dec. 9th, 1901; and a Gold Medal at the Kansas City Show, Nov. 18th, 1901. Also Certificates of Merit at Tarrytown, New York; Poughkeepsie, New York; Chicago, Illinois; American Institute, New York; Chestnut Hill, Pennsylvania, and Madison, New Jersey.

PRICES

STRONG PLANTS FROM 2½-INCH POTS, OWN ROOTS:

1 plant	$ .75
12 "	7.50
25 "	12.50
50 "	17.50
100 "	30.00
250 "	62.50
500 "	110.00
1,000 "	200.00

Extra strong plants from 3-inch pots, 5 cents each additional.

GRAFTED PLANTS FROM 2½-INCH POTS:

1 plant	$ 1.00
12 "	9.00
25 "	15.00
50 "	25.00
100 "	40.00
250 "	87.50
500 "	160.00
1,000 "	300.00

Extra strong plants from 3-inch pots, 5 cents each additional.

PLANTS READY FOR DELIVERY ON AND AFTER APRIL 1, 1902

What the leading retail florists of the different cities say of this rose:

MR. PHILIP BREITMEYER, of Detroit, Michigan, saw it growing here on October 30th, and was so pleased with it that he declared empathically it was the most beautiful of all light-colored roses he had ever seen, and that it would supplant all such varieties as Golden Gate, Mme. Watteville, etc.

MR. H. H. BATTLES, of 108 South 12th St., Philadelphia, Pa., writes under date of Nov. 23, 1901:

Dear Mr. May:—The Mrs. Oliver Ames is beautiful. We have given it the place of honor in our shop and shall take much pleasure in showing it to others. I was unfortunate in not seeing it at our late show, but heard it spoken of in very complimentary terms. Yours very truly, H. H. BATTLES.

MR. W. J. PALMER, of Buffalo, writes under date of Nov. 28th:

Dear Sir:—The beautiful Mrs. Oliver Ames roses received in perfect condition and are very much admired by my customers; just as I have heard you say, the public want something besides Bride, Bridesmaid, Meteor or even Beauty. Each of my customers who saw it remarked something good about it. Accept my thanks for the beautiful roses.

Yours truly, W. J. PALMER.

J. H. SMALL & SONS, Washington, D. C., under date of Dec. 2nd, 1901, write:

Dear Mr. May:—We beg to acknowledge the receipt of the box of Mrs. Oliver Ames roses which arrived on Wednesday, November 27th. They were in perfect condition when we received them and we have kept two or three of them until to-day, which proves that their quality as a keeper is unsurpassed by anything we have handled. We exhibited the roses to our customers and they were very much admired. We have no doubt from what we have seen of this rose that it has a great future in store. Again thanking you for your courtesy in sending them, we remain, Yours very truly, J. H. SMALL, JR.

HALLIDAY BROS., Baltimore, Md., write under date of Dec. 5th:

My Dear Mr. May:—Mrs. Oliver Ames arrived in perfect condition and have attracted a great deal of attention in our window to-day. I am sure it will fill a long needed want in the rose line, being so distinct in color from all others.

Yours very truly, ROBERT HALLIDAY.

J. H. SMALL & SONS., New York City, under date of Dec. 6th, write:

Dear Sir:—Regarding the rose, Mrs. Oliver Ames, of which we have had cut blooms from you, we desire to say that we think very highly of it. The shade of color is most delightful, nothing better could be desired in stem or foliage and as to its keeping qualities we can hardly say enough. Those we had from you December 1st are still good.

Yours very truly, J. H. SMALL & SONS.

ALEX. McCONNELL, New York, under date of Dec. 16th writes:

Dear Sir:—I consider your new rose, Mrs. Oliver Ames, a very valuable acquisition to our collection of roses; the delicate pink tint of the bloom and fine foliage, gives the new introduction a decided distinctive character. A strong grower with excellent keeping qualities, so desirable to the retail florist. Yours very truly, ALEXANDER McCONNELL.

WM. E. DOYLE, Boston, Mass., writes under date of Dec. 27th, 1901:

Dear Sir:—Regarding the Mrs. Oliver Ames you sent me, I will say that I think very favorably of them; desirable in color, buds of good size and lasting qualities excellent; they arrived in perfect condition; I gave them I think an excellent test. I have no doubt that it will sell well.

Yours very truly, WM. E. DOYLE.

Order at once if you wish to secure the early prepared stock.

JOHN N. MAY, SUMMIT, NEW JERSEY

Wilmington, Del.

PROSPECTS FOR A BUSY SEASON.—CHANGES AND DOINGS AMONG THE GROWERS.—VARIOUS NOTES.

Easter is close at hand and we are all hustling to get our lilies in, and, weather permitting, expect to have a good week of trade. There are a few changes to be made this year. Our old friend, Robert Lockerbie, is to take Mr. Edward's place at Claymont, the latter retiring. W. H. Vance will remove his entire plant nearer the city, having close shipping connections. Florist McKeown has gone west, and Carson Boyd has bought Chas. Sparks' place of business. Simons Brothers will erect more glass this year.

Carnations have done well this winter, especially Joost, Crane and Lippincott. We also think well of Morning Glory and Dorothy, for pink; Estelle and Mack Richmond for red, Lorna and Queen Louise for white. Some think that Norway is all right, but it has two faults, partly pink and a certain quantity of deformed flowers. We still grow the old standbys, Hill and McGowan.

Wm. Potter has a promising pair of seedlings, a white and a pink. He is going to build a new greenhouse. Mr. Baylis has a variegated sport of Hill, and a white sport of Bradt. W. H. V.

Washington, D. C.

Trade has been quite active the past week. With most of the retail florists it does not look like mid-Lent, with a number of dinners, teas and receptions. The Westinghouse dinner and reception given in honor of Earl Gray was the most elaborate event of the week, pink roses and lily of the valley being used exclusively in the decorations by J. H. Small & Sons. P. G.

ALEDO, ILL. — Charles McChesney, formerly of Burlington, Ia., has bought real estate for a greenhouse establishment, beginning work shortly upon a residence and two greenhouses 14x60.

WANTED.

ONE-YEAR-OLD

LIBERTIES

State quantity and price. Price must be low on account of risks of recuperation. . . .

JOHN H. TAYLOR, Bayside, N. Y.

Roses! Roses!

American Beauties, Brides, Maids, Perles, Kaiserin, LaFrance, Wootton, Belle Siebrecht and Golden Gate, in 2 and 2½-in. pots; also Rooted Cuttings ready now. This is strong, healthy stock from 2 and 3 eyed cuttings.

Write for prices. Send $1.00 for samples.

J. C. MURRAY,

403 Main St., Peoria, Ill.

Please mention the American Florist when writing.

THE GRANDEST NEW FORCING ROSE

Souvenir de Pierre Notting

The Best, The Finest, The Most Free Blooming of all Forcing ROSES, color deep yellow; will be distributed for the first time April, 1902

BY THE RAISERS

SOUPERT & NOTTING,

ROSE GROWERS,

LUXEMBOURG, (Europe).

Net price, $80.00 per 100; $1.00 each. Write for lithographs.

ROSES...

Orders taken for a limited amount of the following:

BRIDES, Rooted Cuttings	$1 50 per 100;	$12.50 per 1000	
MAIDS, " "	1 50 "	12.50 "	
METEOR, " "	1.50 "	12 50 "	
AM. BEAUTY, 2½-inch pots	6.00 "	50.00 "	

All cuttings to be rooted to order and wood taken from highest grade, strong stock.

SOUTH PARK FLORAL CO., NEW CASTLE, IND.

TO CLOSE OUT

10,000 Rose Plants

IN 2 1-2 INCH POTS.

BRIDES, 'MAIDS, METEORS.

As good stock as was ever offered, clean and healthy....

$2.50 per 100; $20,00 per 1,000.

JOHN MUNO,

51 Wabash Ave., CHICAGO.

I OFFER FOR SALE

The Stock of a New Rose

That is a "Sport" of Souv President Carnot, beautiful yellow color. It is fixed and comes true as I have had it since the year Carnot was introduced

S. L. HARPER,

Mechanicsburg, Ohio.

Please mention the American Florist when writing.

THE

Finest Floral Novelty of the Age.

NEW HARDY ROSE

SOLEIL D'OR

(J. Pernet Ducher, 1900).

Colors: Orange-yellow, Nasturtium-red, Golden-Yellow, Brightrose.

Characteristics: Floriferous, robust, hardy, highly fragrant.

Flowers: Large, full, globular, incurved center. Fine plants from pots $25.00 per 100.

ELLWANGER & BARRY, Rochester, N. Y.

Mount Hope Nurseries. Established 1840.

Most complete collection of hardy fruits, deciduous and evergreen trees and shrubs, roses, herbaceous and climbing plants in America. Lowest prices compatible with the highest cultivation.

Descriptive illustrated catalogue on application.

$175.00—$175.00—$175.00—$175.00—$175.00

OFFERED AS THE

AMERICAN ROSE CO. PRIZES

AT

MADISON SQUARE GARDEN

OCTOBER 30 TO NOVEMBER 6, 1902

For the Best 50 Blooms of Ivory

THE NEW YORK FLORISTS' CLUB HAVE ACCEPTED OUR OFFER TO BE COMPETED FOR AT THEIR GREAT FLOWER SHOW, AS FOLLOWS:

For fifty cut blooms of our **Ivory,** the true **White Sport** of **Golden Gate:** First Prize, One Hundred Dollars; Second Prize, Fifty Dollars; Third Prize, Twenty-Five Dollars. The roses must be exhibited by the **grower** thereof, and must be cut from plants purchased by said grower from us. No exhibitor to receive more than one prize.

WE HAVE MADE A SIMILAR OFFER TO HORTICULTURAL SOCIETY OF CHICAGO

You must grow strong stock to secure these prizes, and we are ready to sell it to you at once. Our young plants from soil that were pricked off from the cutting bench early in January are in fine order for shipment, and will cost you much less for expressage than pot-grown plants, and may prove superior to even grafted stock.

Remember you are bound to make money growing **Ivory,** because it is a **White Sport** of **Golden Gate** and Golden Gate is a very profitable rose for forcing.

Notice these low prices for a new rose that originated with us, and is now sold as plants for the first time:

ROOTED CUTTINGS FROM SAND = $50.00 per 1,000

ROOTED CUTTINGS FROM SOIL = $80.00 per 1,000

NOW MAKING NICE TOP GROWTH.

Quality guaranteed because the stock has been propagated from 40,000 blooming plants.

IMMEDIATE DELIVERY.

SAMPLE PLANT MAILED ON RECEIPT OF TEN CENTS

We will have the Miss Alice Roosevelt for next year's introduction

CORRESPOND WITH

EDWIN LONSDALE,

General Agent, Wyndmoor, Philadelphia, Pa.

OR WITH

AMERICAN ROSE CO.,

Washington, D. C.

List of Authorized Agents furnished on application

Dallas, Tex.

TRADE BETTER THAN USUAL AT THE SEASON.—SPRING WORK ON IN EARNEST.—NEED OF RAIN.

Trade is reported as above the average for this season of the year and "the boys" all seem to be on the happy side of life. Lang has had a good share of the decorations of late, and says he has no "kick" coming. Mrs. Holtkamp and daughter are still doing their share of business; some elegant funeral work was furnished for out of town customers by these ladies the past week that was hard to excel. They have a well earned reputation in this line of work.

The Haskell Avenue Floral Company is head over heels in work now. The shipping season is on in good earnest. They will have a good line of Easter stock, but they do not have half enough carnations for the demand although the cut is large, but with the new range they will have a much larger output another season.

It is very dry in the northern part of the state and especially at Dallas we need rain. The ground is all ready for planting roses and carnations, but it is too dry. We could use some of that surplus the Pennsylvania boys are having just now. LONE STAR.

Minneapolis.

SCARCITY OF FANCY STOCK.—LITTLE CHANGE IN MARKET CONDITIONS.—VARIOUS NOTES.

There was no decided change in business last week, excepting that Easter's near approach gives the retailers as well as the growers something to keep them busy and from the outlook there will be a nice lot of azaleas, Harrisii, cyclamens, spiræas and so forth to decorate the show windows and to take the eye of the careful purchaser. There was a rather brisk demand for Meteors and Beauties last week, but fancy stock seemed a scarcity. Bridesmaids and Brides were in quantities enough, but the quality was not fancy, and plenty of second grade stock is to be had at any price. Carnations are in abundant supply but good prices are realized and they move rapidly. Tulips and daffodils are in full swing. Romans and narcissi are scarce and in good demand.

There are not many complaints of lilies being backward or diseased this year, although a few cases are reported.

C. F. R.

SPLENDID STOCK FOR EARLY PLANTING.....

3½ inch Bridesmaids, $5 00 per 100; $45.00 per 1,000. Rooted Cuttings, Brides and Bridesmaids $1 50 per 100.

ALBERT F. AMLING, Maywood, Ill.

ROOTED CUTTINGS

2½-inch.

Brides .....$15.00 per 1000
Bridesmaids.....$15.00 per 1000
Good clean stock.

C. S. FOOTE, Downers Grove, Ill.

Carnations FOR SALE

3000 Hill, 4000 Crane, rooted cuttings, extra fine. Grower going into roses. Will sell at $3.00 per 1000. Write to

A. L. RANDALL, 4 Washington St., Chicago.

ROBERT CRAIG & SON

Market and 49th Streets, PHILADELPHIA, PA.

OUR EASTER SPECIALTIES

CRIMSON RAMBLERS.

We have them in quantity and they are in superb condition; the clusters of bloom are of fine color and very profuse.

PRICES—$1.50, $2 00, $3.00, $4.00 and $5.00 each. All excellent value.

Azaleas.

A very large stock of the most desirable sorts; never had them better. We can certainly please our customers in Azaleas this Easter.

Also Lilies, Tulips, Hyacinths, Lilacs, Rhododendrons, Acacias, Dwarf Cherries, our usual fine stock.

SEND FOR PRICE LIST.

It will Pay you to Call and Look our Stock Over.

"If you are still looking for a PROFITABLE" HIGH GRADE

White Carnation

Don't fail to call and see, or investigate the

Gov. Wolcott.

Orders booked now will be filled in strict rotation, commencing Jan. 1st, 1902, and as fast thereafter as stock is ready. Rooted Cuttings from sand, $10 per 100; $40 per 500; $80 per 1000. Send P. O. Money Orders on Norwood, Mass.

Peter Fisher, Ellis, Mass.

CARNATIONS

Rooted Cuttings of all the new 1902 and best standard varieties. Send for price list.

WILLIAM SWAYNE,
BOX 226. KENNETT SQUARE, PA.

CARNATION

CUTTINGS AND BLOOMS.

J. D. THOMPSON CARNATION CO.

JOLIET, ILLINOIS.

CARNATIONS

Well Rooted and Healthy.

	Per 100	Per 1000
PROSPERITY, white overlaid with pink	$6.00	$50.00
GOV. ROOSEVELT, crimson	6.00	50.00
QUEEN LOUISE, white	4.00	40.00
BON HOMME RICHARD, white	4.00	30 00
IRENE, pink	4 00	30.00
TRIUMPH, pink	2 00	15 00
WHITE CLOUD, white	2.00	15.00
THOS. W. LAWSON, pink	4.00	35.00
MARQUIS, pink	2 50	20.00
G. H. CRANE, scarlet	2.00	15.00
AMERICA, scarlet	2.00	15.00
MRS. BRADT, variegated	2 50	20.00
GUARDIAN ANGEL	1.75	15.00

MICHAEL WINANDY,
DEVON AVE. AND NORTH ROBEY. **CHICAGO.**

NOTICE.

Before placing orders for Rooted Carnation and Rose Cuttings and 2½-inch Rose Plants, write your wants to

JOHN BROD, 349 WEST NORTH AVE. **Chicago, Ill.**

Successful Growers

Know that they can dispose of all their Surplus Stock by advertising in the American Florist. TRY IT NOW.

PETER REINBERG

51 Wabash Ave. CHICAGO, ILL.

LARGEST GROWER OF CUT FLOWERS IN THE WORLD.

For Easter Prices see List on page 277 of this issue.

CARNATION CUTTINGS.

All the new and standard varieties, free from rust and all other diseases. Our stock is in fine shape and all cuttings are well rooted when sent out.

	Per 100	Per 1000
HIGINBOTHAM	$12.00	$100 00
MRS. POTTER PALMER	12.00	100.00
PROSPERITY	4.00	30.00
NORWAY	5.00	40.00
IRENE	3.00	25.00
LAWSON	3.00	25.00
BON HOMME RICHARD	3.00	25.00
HOOSIER MAID	3.00	25.00
CRANE	1.25	10.00
THE MARQUIS	1.25	10.00
GENEVIEVE LORD	1.25	10.00
ARGYLE	1.00	7.50
GUARDIAN ANGEL	1.25	10.00

	Per 100	Per 1000
FRANCES JOOST	$1.00	$ 7.50
CERISE QUEEN	1.00	7.50
ETHEL CROCKER	1.25	10.00
TRIUMPH	1.25	10.00
FLORA HILL	1.25	10.00
WHITE CLOUD	1 25	10.00
PERU	1.00	7.50
AMERICA	1.50	12.50
MRS. L. INE	1.50	12.50
MRS. BRADT	1.75	15.00
ARMAZINDY	1.25	10.00
EVANSTON	1.00	7.50

ROOTED ROSE CUTTINGS.

	Per 100	Per 1000
BRIDESMAID	$1.50	$12.50
BRIDE	1.50	12.50
GOLDEN GATE	1.50	12 50
PERLE	1.50	12 50

2 1-2 INCH ROSE PLANTS.

	Per 100	Per 1000
BRIDESMAID	$3.00	$25 00
BRIDE	3 00	25.00
KAISERIN	3.00	25 00
PERLE	3.00	25 00
GOLDEN GATE	3.00	25.00

All Plants and Rooted Cuttings sold under express conditions that if not satisfactory when received they are to be returned immediately, when money will be refunded. Write for prices on large quantities.

Peter Reinberg, 51 WABASH AVE. Chicago, Ill.

Rochester, N. Y.

WELL KNOWN FIRM OF DECORATORS PUTS UP A GARDEN IN A BALL ROOM —FRUIT TREES IN BLOOM.—TRADE HOLDING UP WELL.—GOOD PLANTS FOR EASTER.

A most unique affair was a midwinter lawn party, held in the spacious hall of the Eureka Club a few days ago. Moss-green carpets covered the floor, the trunk of a large tree was placed in the center of the hall and long, stout branches, thickly covered with cherry-blossom, were fastened to the trunk. The tree had a spread of thirty feet one way and thirty-five feet the other when finished. Along the walls, smaller trees or branches of cherries, apples, Japan quince, spiræas, philadelphus, forsythia and so forth were placed. The green was southern smilax fastened to the branches. Quite a number of rose bushes in flower were also used here and there along the sides and in the corners of the hall were clumps of evergreens. Tulips, hyacinths and daffodils were freely used. Interspersed among the branches of the large tree, as well as in the side shrubberies were hundreds of chinese lanterns, into which incandescent lights had been dropped. Dancing under a full sized blooming cherry tree to the orchestra, hidden on the stage behind the flowering shrubs in February, was a rare treat to all participants. The dining hall was lavishly trimmed and decorated with tulips, hyacinths, daffodils and so forth. J. B. Kellar Sons furnished the decoration, as they did a former one, in which they transformed the same premises into a barnyard, with cow, horse, donkey, chickens and geese visible in enclosures, and with all sorts of farm utensils introduced among the other decorations.

Up to date Lent has not materially affected the flower and plant trade here. Prices for cut flowers are only a trifle lower than they were a month ago, although stock is quite plentiful. Flowering plants from the modest primrose, hyacinth and cineraria up to Lilium longiflorum, azaleas and rhododendrons in all sizes move freely at very fair prices. There are still some excellent, well-flowered cyclamens in 6-inch to 8-inch pots to be seen around and I am told that even at Easter some of these large plants, which are single bulbs, one year old, will be in the market. An occasional wedding, an anniversary, a family gathering or some sort of a party or celebration always calls for flowers and a more or less elaborate decoration to give the florist something to do. J. B. K.

DANVILLE, ILL.—Wm. J. Anker is building a flower store 18x20, a greenhouse 20x84 and a boiler and potting shed 10x30 to replace the structures sold last August to R. L. Burgoyne.

WE CARRY

The Largest and most Complete Stock of DAHLIAS in the World.

1902 DAHLIAS Admiral Schley, Eureka, Gold Standard, Black Bird, Pink Dandy, Leone, Profusion, Alba Superba, Gaillardia, Judah and Olympia. All sterling American varieties.

20th Century Collection of 1901 contains 11 superb new American dahlias.

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"THE CARLSON" an improved Paeony-Flowered Aster, much liked in the Chicago market. White, pink or lavender, each, trade pkt, 25c, ¼ oz. $1.20.

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Write for prices on larger lots on above two kinds.

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This mixture is made up by ourselves and includes all the best sorts and colors of the Large flowering and Fringed sorts and the unsurpassed Superbissima varieties with their delicately veined throats in various colors, and their truly mammoth flowers We are possitive that **no other Petunia Mixture can produce flowers with as wide a range of colors as our Vaughan's Best.**

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Large Flowering, finest mixed	.10	.50
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	Oz.	¼-lb.	lb.
"VAUGHAN'S SPECIAL" Mixture of Tall Nasturtiums	$ .10	$ .20	$ .70
MME. GUNTHER'S HYBRIDS, true.....10 lbs., $5.25	.10	.20	.60
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Ten Weeks, out of 2¼-in. $2.00 per 100; $15 per 1000.
Salvias, 2¼-inch, $2.00 per 100.
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Galax Leaves **30 W. 29th Street The Kervan Co.** THE EVERGREEN SPECIALISTS OF N. Y. CITY.

Scranton, Pa.

WYOMING VALLEY FLOODED.—LARGE GROWERS SUFFER LOSSES.—WELL KNOWN PLACES SUBMERGED.—WATERS REACH HIGHEST LEVEL EVER KNOWN.

The florists in Wyoming valley in Pennsylvania have suffered much loss by water during the recent floods. This beautiful valley has been one sheet of water. This historic ground is noted for its level stretches of land, dotted here and there with its little clusters of homes scattered in between the larger cities of Pittston and Wilkesbarre. On a bright, sunny day one can see, glistening like diamonds on the landscape, the various greenhouses, flourishing on the rich soil of the valley. Down upon all this came the waters of the Susquehanna, swollen to many times their natural volume by the tiny cascade, the larger streams and the melting snow and ice, which all along its way had been adding to it, and all this augmented by a severe rain storm. The whirling, rushing waters, with huge cakes of ice, brought destruction with them, as they descended upon the valley. The ice blocked below Wilkesbarre, causing this immense amount of water to spread over all this level ground, reaching at some points a width of three miles. The average width of the river is about a quarter of a mile. The height reached was thirty-one feet above low water mark.

Of the principal greenhouses in this section are E. E. Fancourt's, which are situated on a little higher elevation, and so fortunately escaped the spread of the water. B. F. Dorrance was not so fortunate, as his boilers are on a bank considerably below his greenhouses. The water got into these and prevented his firing for three days, and florists know what this means at this time of the year, so near Easter. Mr. Marvin has been the greatest sufferer of these three large places. He is on the opposite side of the river from Fancourt and Dorrance and on lower land. Some of his small houses were covered to the ridge, and, of course all of his benches were covered with water, and the only way of reaching the greenhouses was by boat, as the water was six feet above the level. We understand that he is pumping water out of his boiler pit to-day, the water having receded, it being nearly a week since the flood came. Such a misfortune would dishearten most any man, but Mr. Marvin, having stemmed the severe stroke of a cyclone some years ago, will ride difficulties under his feet and push ahead to greater success. I learn that Davies and Weiss, of Bloomsburg, and S. G. Bryfogle, of the same place, were nearly submerged.

These severe strokes to florists on the lowlands should be an everlasting lesson to these and all who contemplate building to build their glass castles high enough in the air to be above high water mark. SCRANTONIAN.

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Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

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A Few Left

	Per 100	1000
LILIUM SPECIOSUM MELPOMENE, large size, 9 to 11-inches.....	$8.50	$80.00
LILIUM AURATUM, LARGE SIZE, 9 to 11-inches.....	8.00	75.00

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Lilium Auratum,

Lilium Album in finest quality.

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(SOUND)

	Per 100
5 to 7-inch.....	$ 3.00
7 to 9-inch.....	4.50
9 to 12-inch.....	8.00
12 inches and up.....	16.00

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Begonias, tuberous single. Separate colors, ½-inch.....	.40	2.25
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Caladium, Fancy Leaved—Grow only choice named sorts; mixed stuff does not pay. Finest Brazilian sorts, 20 varieties.....	1.25	9.00
Caladium Esculentum—		
5-7-inch.....	.30	2.00
7-9-inch.....	.50	3.00
9-12-inch.....	.70	5.00
Monsters.....each, 15c;	1.25	
Calla, Spotted, large bulbs.....	.40	2.50
Cannas—A. Bouvier, Alsace, Austria, Burbank, Chas. Henderson, Florence Vaughan, P. Marquant, Italia, Queen Charlotte, Shenandoah (bronze foliage).....	.40	2.50
Beaute Poitevine, Crimson, Bedder, Mlle. Berrat, Duke of Marlboro, Philadelphia, Sec'y Chebanne.....	.50	3.00
Pres. McKinley, Black Prince, Souvenir d' A. Crozy.....	.60	4.00
Mixed.....	.30	2.00
Gladiolus, for forcing. American Hybrid, 60 per cent white and light	100	1000
1st size.....	$1.50	$10.00
2d size.....	1.00	7.00
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1st size.....	1.75	16.00
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Gladiolus, Groff's Hybrids, great prize winners.....dozen, 40c;	2.75	25.00
Send for our list of Gladioli, named sorts, separate colors, etc.		
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Separate white, blue, red, mottled	$ .50	$4.00
Choice mixture.....	.40	3.00
Monthretias, finest grandiflora sorts..	.15	1.00
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Auratum, 8-9..... (Scarce)	.60	4.00
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" Monster (Scarce)	1.25	8.50
Album, 6-7.....	.50	3.50
" 7-9.....	.75	5.00
" 9-11.....	.85	6.00
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Melpomene, 7-9.....	.75	5.00

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	100	1000	2000
Tuberoses, Ex. Pearl, fine stock, 3-4 inch.....	$ .60	$5.00	$9.00

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GERMANIA GIANT.

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Flowers 5 to 6 inches in diameter. Stems stiff, very long. Sold in New York for 25 cents a dozen. Certificate of Merit at Madison Square Flower Show. Stock limited. Strong, field-grown clumps, each 25 cents; dozen, $2.50; 100, $15.00.

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Grown for us one year in Japan. Have established root system, force much quicker than freshly made up stock. Extra select long leaved stock, 7-9-inch each, 30c; dozen, $3.00; 100, $24.00.

Fern Designs for Easter pay well. Try at least one to attract attention in store window.

	Each	Doz.
Anchors, Crosses.....	$ .50	$ 5.00
Turtles, Fish, Birds.....	.60	6.50
Frogs, Houses.....	.75	
Pagodas, Chinese Lanterns, Monkeys with drum or swing.....	.85	9.00
Full Rigged Ship, very fine.....	1.00	10.00

3 of a kind at dozen rates.

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Groffs Hybrids, an exceptionally select stock of this new strain	2.50	20.00
Bulblets, 75 bushels, 350,000 small bulbs, special prices		
Peerless Strain, an exceptionally fine strain of selected stock embracing every type	3.00	20.00
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Lemoinei Strain, select stock	2.00	15.00
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Extra white and light, white and light reds, pinks, various species		
Cannas, Black Beauty, Kate Gray, Luray, Inglewood, Marlborough, Trianoria, etc., etc., $10.00 per 1000 and up. Write for list		
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Begonias, flowering sorts		30.00
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Asparagus, P. Nanus, fine, 2-in.		30.00
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Cannas Dormant Roots, 2-3 eyes; Chas. Henderson, Chicago, Papa Canna, Queen Charlotte, Florence Vaughan, $2.00 per 100; $15.00 per 1000. Mixed, all colors, $1.50 per 100; $10.00 per 1000.

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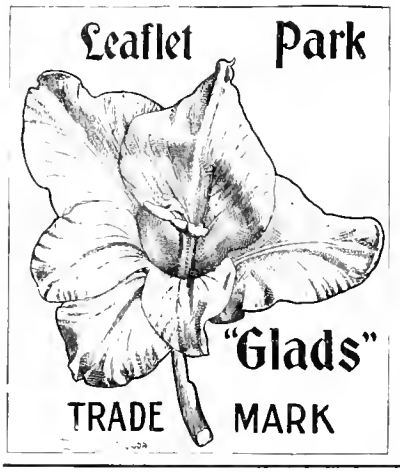

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$1.00 Each, One-third Discount.

10 DAYS ONLY.

The PARK BELLE is a pure illuminated pink, coming exactly true. Stem very strong. Only bedder; Extra good for cut flower work; spike full—2½ feet—does not blow down. Flowers 2½ inches, double row; shows full. Send for illustration. Honorable mention at Buffalo S. A. F. Diploma at Pan-American.

Our Leaflet Park (Florists') Mixture. $10.00 per 1,000 No. 1 Bulbs. 25 per cent discount.

This offer is made to florists for trial and only 1,000 can be allowed on any order. Cash with order at above rates.

Michigan Seed Co., South Haven, Mich.

BULBS...

Before placing your Order for Fall Bulbs, write us for Prices.

WALTER MOTT SEED & BULB CO.

108-110 E. SECOND ST., JAMESTOWN, N. Y.

NEW LATE CABBAGE "HOUSER."

The largest Hard-heading, Fine Grained, Smallest Hearted, Distinct Round, Late Cabbage known. Gardeners will do well to give it a trial.

Mr. J. M. Lupton, the noted cabbage specialist says: It is entirely distinct and keeps over the winter better than any other kind.

Packet, 10c; Oz., 50c; 1-4 Pound, $1.50; Pound, $5.50, postpaid.

Catalogue free for asking.

H. L. HOLMES, Seedsman. HARRISBURG, PA.

If You Have Stock To Sell...

the best way to make that fact known to the trade is by regular advertising in

Give it a trial.

...The American Florist.

Grafted Roses

Extra Selected No. 1 Stock
$15 per 100; $120 per 1000.

BRIDES, BRIDESMAIDS, KAISERINS and CARNOTS.

W. H. ELLIOTT,
BRIGHTON, MASS.

CARNATIONS.

Rooted Cuttings for latter March and April delivery.

	100	1000
QUEEN LOUISE	$4.00	$35.00
LORNA	5.00	40.00
G. H. CRANE	1.50	12.00
ESTELLE	5.00	
ROOSEVELT	6.00	
MORNING GLORY	2.00	15.00
ETHEL CROCKER	1.25	10.00
GENEVIEVE LORD	1.00	7.50
DOROTHY	5.00	40.00
PROSPERITY	4.00	30.00
CRESSBROOK	10.00	75.00

GERANIUMS.

Rooted Cuttings, March and April delivery.

A general assortment, standard and fancy sorts, single and double, all of them good. My selection of varieties, all correctly labeled at $1.50 per 100; $12.50 per 1000.

Jean Viaud, (rooted cuttings,) $3.00 per 100.
M. de Castelaine, (rooted cuttings,) $5.00 per 100.

BONE MEAL.

The very best brand in the market for florists' use, give me a trial order. 200 lb. bag, $3.50; per ton, $32.50. A little higher in price than some, a great deal better in results.

ALBERT M. HERR, LANCASTER, PA.

CHRYSANTHEMUMS READY NOW.

Strong plants, 2¼-in. pots, $3.00 per 100; $25.00 per 1000, of White Bonnaffon, Chadwick, Childs, Rieman. At $2.00 per 100; $15.00 per 1000, Major Bonnaffon, Yellow Jones, Perrin, Ivory, Jerome Jones, Robinson, Lager, Maud Dean.

ROSES

from 2½-in. pots, Bridesmaid, $2.50 per 100; $22.50 per 1000. Bride, $2.50 per 100; $22.50 per 1000. Cash with order.

PAUL FISCHER, Wood Ridge, Bergen County, N. J.

Alternantheras P. MAJOR and A. NANA.....

Strong rooted cuttings, 50 cts per 100, or $4.00 per 1000.

DAVIS BROS., MORRISON, ILL.

Please mention the American Florist when writing.

Carnation Cuttings...

Well rooted, from clean, healthy stock, cool grown.

	Per 100	Per 1000
ROOSEVELT	$6.00	$50.00
PROSPERITY	5.00	45.00
NORWAY	4.50	40.00
LAWSON	4.00	35.00
LORNA	3.50	30.00
EGYPT	3.00	25.00
MORNING GLORY	2.50	20.00
CRANE	$2.00	$17.50
GENEVIEVE LORD	1.50	12.50
WHITE CLOUD	1.50	12.50
TRIUMPH	1.50	12.50
MME. CHAPMAN	1.25	10.00
FLORA HILL	1.25	10.00
PERU	1.25	10.00

WE SOLICIT YOUR ORDERS AND WILL GUARANTEE SATISFACTION.

GRAND RAPIDS VIOLET CO., Grand Rapids, Mich.

WELL GROWN ROSES.

Beautiful Young Stock, breaking at every eye. Will make Large Plants Early.

	Per 100	Per 1000
BRIDESMAIDS, BRIDES, 2x3 rose pots	$2.50	$22.50
BRIDESMAIDS, BRIDES, Rooted Cuttings	1.50	12.00
METEORS, GOLDEN GATES, Rooted Cuttings	1.50	12.00
PERLES, KAISERINS, Rooted Cuttings	2.00	15.00

ALL SELECT TWO-EYE CUTTINGS.

CARNATIONS. Marquis, Crane, Joost, Jubilee, Flora Hill, Armazindy, $1.25 per 100; Scott, $1.00. Write for price on large orders.

W. H. GULLETT & SONS, Lincoln, Ill.

CARNATIONS ROOTED CUTTINGS.

From clean, healthy stock. No stem rot

	Per 100		Per 100
The Marquis	$2.50	C. A. Dana	$1.50
Mrs. F. Joost	2.00	Victor	1.50
America	2.00	G. Lord	1.50
Jubilee	2.00	Morello	1.50
Meteor	2.00	L. McGowan	1.50
Hill	2.00	Fisher	1.50
E. Crocker	1.50	Wm. Scott	1.50

Shamrock Rooted Cuttings, $2.00 per 100 postpaid. Express paid on all orders amounting to 300 cuttings and over. **LLEWELLYN, Florist, Olean, N. Y.**

AS SOON as Easter is over you will begin to think of Roses. We have 40 000 to 50,000 in 2 x 2½, 2½ x 3 and 3-in. We believe in shifting Young Roses often. All stock offered in 2½-in. pots has been shifted from 2-in. and is equal to most stock advertised as 3 in., and when we send it out is well established. Meteors, Maids, Brides, Perles, La France, Woottons, Pres. Carnot, Belle Siebrecht, Kaiserin, Golden Gate, Liberty and Am. Beauties, are the varieties we grow. Send $1.00 for samples of varieties you want and write

GEO. A. KUHL, Pekin, Ill.

IMPORTED BULBS for Florists' Forcing

for the Coming Season.

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 Spiraea** are unexcelled.

Bulbs secured from us will be subject to careful inspection and approval on arrival, and if in any way unsatisfactory, will be made good at once.

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 shipments and large importations supply half our profits.

Write for Prices before closing any forcing stock orders.

NEW YORK: 14 Barclay St. **Vaughan's Seed Store,** CHICAGO: 84-86 Randolph St.

=SEED PACKETS=

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We carry in stock eight hundred varieties of Flower and Vegetable Designs for Seed Packets, and issue a catalogue in colors.

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NEW YORK, U. S. A.

Established 1844.

Lenox, Mass.

HORTICULTURAL SOCIETY HOLDS INTERESTING MEETING.—FINE DISPLAY OF CARNATIONS.—OTHER GOOD EXHIBITS.

The March meeting of the Lenox Horticultural Society was well attended. A very successful exhibition of carnations was held, White Cloud, G. H. Crane and Marquis being exceptionally fine in the competitive classes. New varieties staged in splendid condition from C. W. Ward, Queens, were Golden Beauty, Harry Fenn and J. H. Manley. From Peter Fisher, Ellis, Mass., came a grand vase of the new white, Governor Wolcott. A very fine collection of hybrid roses was shown by Mr. Lundberg, who also staged two fine plants of cuphea. Another interesting exhibit was six vases of Gerbera Jamesoni, shown by F. Brunton, Stockbridge, for Mr. Herrington, of Madison, N. J. A magnificent bunch of 300 Princess of Wales violets from J. Dallas was greatly admired. Following is the list of awards: Carnations, White Cloud, Marquis and G. H. Crane, first, J. W. Ferguson. First-class certificate to Peter Fisher for Governor Wolcott. Diploma to C. W. Ward for Golden Beauty, J. H. Manley, and a vote of thanks for Harry Fenn. Vote of thanks to J. Dallas for Mrs. G. M. Bradt, Ethel Crocker, Chicago and New York. Vote of thanks to Mr. Philcocks for Goodenough and Lily Dean. Vote of thanks to Mr. Loveless for Prosperity. Diploma to A. Herrington for Gerbera Jamesoni. Diploma to Mr. Lundberg for collection of cut blooms of hybrid roses, and vote of thanks for Cuphea hyssopifolia. Vote of thanks to J. Dallas for violets.

The society heard with regret that Mr. Herrington, who had arranged to deliver an illustrated lecture on hardy flowers, was prevented from doing so by sickness. F. H.

MOBILE, ALA.—A recent pretty wedding here was that of Miss Corinne, daughter of Col. Franklin P. Davis, and Wallace Fraser, of Brimingham. The home of the bride was handsomely decorated for the event, Golden Gate roses being the principal flower used.

FANCY OR DAGGER **FERNS** $1.25 PER 1000

GALAX, green or bronze, 75c per 1000. Laurel festooning, 4c, 5c and 6c per yd. Once used, always used for decorating. SPHAGNUM MOSS, etc.

Telegraph Office New Salem, Mass.

CROWL FERN CO., P. O. Millington, Mass.

REMEMBER you can get our Standard Brands of Wild Smilax and other Greens from such people as **J. B. Osamud, Chicago. H. Bayersdorfer & Co., Phila. L. J. Kreshover, N. Y. City. Vail Seed Co., Indianapolis. Ed. Reid, Philadelphia. J. M. McCullough's Sons, Cincinnati, O. Michigan Cut Flower Exchange, Detroit, Mich.** or direct from us.

A FULL SUPPLY CONSTANTLY ON HAND.

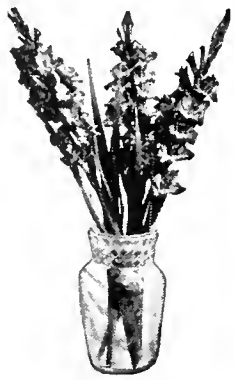
Caldwell The Woodsman Co., Evergreen, Ala.

Galax Leaves, Etc. Per 1000

Choice Bronze and Green, medium size..... $ .50
Choice Bronze and Green, large size..... .55
Choice Leucothoe Sprays..... 3.00
Choice Fancy and Dagger Ferns..... .75
Choice Rhododendron Leaves..... .50
Rhododendron Leaves for festooning, 50c per 1000

Largest dealer on earth. Cash with first order.

J. N. PRITCHARD, ELK PARK, N. C.



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Forcing or Garden.

Nothing better for the money. Young, vigorous 2-year-old American Hybrids, light colors, $10.00 per 1000.

FORCING GLADIOLUS MAY

A fine light variety—**nothing better**—can be used in design work, $1 50 per 100; $12.00 per 1000.

3,000 Mixed Iris Kæmpferi, $25.00 per 1,000.

We can load a car of **Sir Walter Raleigh** and **Rural New Yorker Seed Potatoes.** Fine smooth stock. Write for prices.

WE ARE GROWERS.

CUSHMAN GLADIOLUS CO., Sylvania, Ohio.

200,000 EVERGREEN and SHADE TREES

Oriental Planes, PIN Oaks, Sugar Maples

Norway, Sycamore, Silver (or Soft) and other Maples, etc. **MAGNOLIAS** and other Ornamental Nursery Stock.

California Privet, standards, hedge plants and specimens, the largest size of the latter for sale in America.

NEW SHELLBARK "HORNOR'S SPECIAL."

New Catalogue, New Prices. **CHAS. B. HORNOR & SON, MT. HOLLY, N. J.**

Clematis.

Strong field-grown, 2 and 3 year plants of following kinds, 25c and 30c each; $3.00 and $4.00 per dozen.

Jackmani, Henryi, Star of India. Superba, Duchess, Gipsy, Lawsoniana, Kermesina, and others.

H. P. ROSES from 4-inch pots, own roots, $1.00 doz.; $10 per 100; 12 kinds. Dinsmore, Mme. Masson, Paul Neyron, Malmaison, A. Mouton, La France, Belle Normande, Victor Verdier, Gen. Jacq., Emp. of India, Hermosa, Mont Carmel.

Queens Scarlet, best bedder, $8.00 per 100.

PAEONIAS. Choice named collection. Distinct named kinds and colors. $1.50 per doz; $10 per 100.

F. A. BALLER, Bloomington, Ill.

Clematis

2½-in. pots. Strong plants ready for repotting, $7.00 per 100; $65.00 per 1000. Jackmani, Henryi, Duchess of Edinburgh (double white), Ramona, Lawsoniana, Baronne Veillard (pink). Also strong, field grown plants of all above sorts, except Henryi, $17.00 per 100.

CHARLES LITTLE, 188 Brunswick St., Rochester, N. Y.

Ask for our SPRING TRADE LIST of WOODY and HERBACEOUS PLANTS

We make a **Specialty** of such shrubs as Clethra Alnifolia, Cornus Florida, Cydonia Lusitanica, Ilex Opaca, I. Glabra, Myrica, Pyrus Arbutifolia, Vinca, etc., etc.

PINEHURST NURSERIES, PINEHURST, N. C.
Otto Katzenstein, Manager.

W. Z. PURNELL,

DEALER IN

Green Sheet Moss, selected, $1.00 per barrel. Green Laurel, 2x2x4 feet cases, $2.00 per case. Long Needle Pines, 2x2x4 feet cases, $1.25 per case. Holly Seedlings, write for prices.

Cash from unknown parties.

Snow Hill, Md.

REMOVAL SALE.

As we intend giving up eighty acres of ground and move to our new place, the stock must be sold or transplanted, hence the low prices. Send for wholesale list.

Per 100

Tennessee Belle, 3 to 4-ft., own roots $4.00
Felicite Perpetue, 3 to 4-ft, " 4.00
Francois Levet, two years, strong, own roots 6.00
Magna Charta, two years, strong, own roots..... 7.00
Empress of China, 3 to 4-ft., strong, own roots..... 5.00

Other Roses priced upon application.

CLEMATIS PANICULATA

Strong. See price list.

Cal. Privet, $8 to $50 per 1000.....
Hydrangea P. G., 2 to 3-ft..... 7.00
" " 3 to 4 ft., extra fine 10.00

Send for wholesale list.

The Elizabeth Nursery Co.

ELIZABETH, N. J.

SHADE TREES, Etc.

	Per 100	1000
Sugar Maple..... 8 to 9 ft.,	$10	
Sugar Maple..... 6 to 7 ft.,	7	$60
Sugar Maple..... 4 to 5 ft.,	5	40
Sugar Maple..... 3 to 4 ft.,	3	25
Sugar Maple..... 1½ to 2½ ft.,	2	15
Tulip Poplar (Liriodendron)... 6 to 8 ft.,	15	
American Beech..... 4 to 6 ft.,	5	40
White Day Lily (F. Alba), crowns.....	5	
Hemerocallis Dumortieri, earliest.....	2.50	
" Flava, mid-season.....	2.50	
" Thunbergii, latest.....	2.00	18
Double Tiger Lily, strong bulbs.....	2.50	
Single " " " "	2.00	18
Eulalia Gracillima	2.00	18
Linnaeus Rhubarb, true, best, crowns	1	8
Madeira Vine, strong.....	2	

Well packed and in cars. Cash with order.

E. Y. TEAS, CENTERVILLE, IND.

Please mention the American Florist when writing.

Dreer's Special Offer of
AZALEAS & DECORATIVE PLANTS
FOR EASTER.

AZALEA.

Azaleas We are carrying a large stock of Azaleas in prime condition for Easter Flowering of nearly all the prominent varieties and can still include ten per cent of Mme. Van der Cruyssen if desired. As these plants can be shipped without risk of damage while in bud, we wish to impress the importance of early orders. We will not be responsible for injuries arising from late shipments when the buds are developed.

Bushy Crowns, 10 to 12 inches in diameter ..... $5.00 per doz. $40.00 per 100
Bushy Crowns, 12 to 14 inches in diameter..... 6.00 per doz. 50.00 per 100
Bushy Crowns, 13 to 15 inches in diameter ..... 9.00 per doz. 70.00 per 100

A fine lot of specimen plants of Mme Van der Cruyssen of good value at $2.00 $2.50 and $3.00 each.

PALMS Our Palm-stocks have never been in better condition. **Clean, Thrifty, of Good Color and Excellent Value.**

ARECA LUTESCENS.

		Per Doz.	Per 100
3-inch pots,	2 plants in a pot, 12 to 15 inches high,	$ 1.25	$ 10.00
4-inch pots,	3 " " 15 to 18 "	3.00	20.00
		Each	Doz.
6-inch pots,	3 " " 28 to 30 "	1.00	12.00
7-inch pots,	3 " " 30 "	1.50	18.00
8-inch pots,	3 " " 30 to 36 "	2.50	30.00

KENTIA BELMOREANA.

		Each.	Per Doz.	Per 100
3 inch pots,	5 leaves, 12 to 15 inches high.....		$ 2.50	$20.00
4-inch pots,	5 to 6 " 15 to 18 "		4.50	35.00
6-inch pots,	6 " 24 to 28 "	$1.25	15.00	
6-inch pots,	6 " 28 to 30 "	1.50	18.00	
7-inch pots,	6 to 7 " 30 to 32 "	2.00	24.00	
7-inch pots,	6 to 7 " 34 to 36 "	2.50	30.00	
8-inch pots,	7 " 36 "	4.00	48.00	

8-inch pots 3 to 4 plants in a pot, well furnished, 3½ feet high, $4.00 each.
5 inch pots, 4 plants in a pot, well furnished, 15 in. high, 60c each.

KENTIA FORSTERIANA.

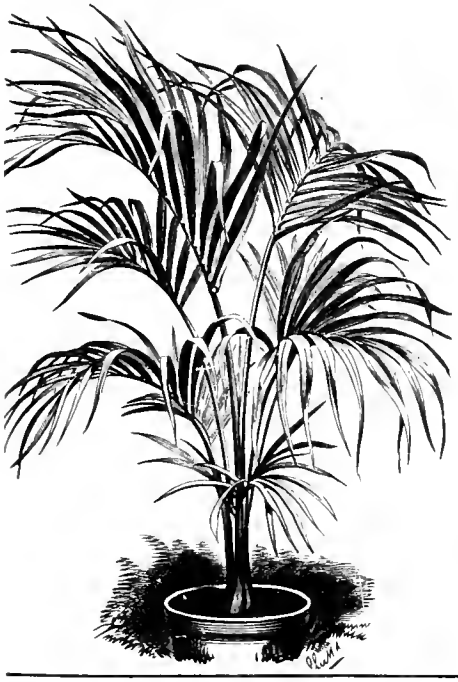
		Each.	Per Doz.	Per 100
3-inch pots,	5 leaves, 12 to 15 inches high.....		$ 2.50	$20.00
4-inch pots,	5 to 6 " 15 to 18 "		4.50	35.00
5-inch pots,	5 to 6 " 18 to 20 "		6.00	50.00
6-inch pots,	5 to 6 " 28 to 30 "	$1.00	12.00	
6-inch pots,	6 " 30 to 32 "	1.25	15.00	
6-inch pots,	6 " 34 to 36 "	1.50	18.00	
7-inch pots,	6 to 7 " 36 "	2.00	24.00	
8-inch pots,	6 to 7 " 42 "	2.50	30.00	
8-inch pots,	6 to 7 " 42 to 48 "	3.00	36.00	
9-inch pots,	6 to 7 " 48 "	4.00	48.00	
8-inch pots,	3 plants in a pot, 42 to 48 inches high..	4.00	48.00	

PHOENIX CANARIENSIS.

7-inch pots, 26 to 28 inches high, bushy stocky plants, each.....$1.75
8-inch pots, 28 to 30 " " " " 2.00
8-inch pots, 30 to 36 " " " " 2.50
12-inch tubs, 3½ to 4 feet high " " " 6.00
14-inch tubs, 4 to 4½ " " " " 7.50

LATANIA BORBONICA.

3-inch pots, 5 to 6 leaves, 10 to 12 inches high... $1.00 per doz., $ 8.00 per 100
6-inch pots, 5 to 6 leaves, 14 to 16 inches high....$6.00 per doz., $50.00 per 100
6-inch pots, 6 " 18 to 20 " ....$9.00 per doz., $75.00 per 100



AUCUBA JAPONICA.

6-inch pots, bushy plants, 12 inches high, each, 25 cts., doz.....$2.50
7-inch pots, " 15 to 18 inches high, each, 40 cts., doz.....$4.50

BOXWOOD.

Standard or Tree Shaped, atems 24 to 28 inches high, crowns 15 to 18 inches in diam., each...$1.00
Pyramid Shaped, 3 feet high, 15 inches in diameter at base, each.....$2.00

FICUS ELASTICA.

4-inch pots, 10 to 12 inches high.....$4.00 per doz., $30.00 per 100
6-inch pots, 24 inches high.....$7.50 " $60.00 "

PANDANUS UTILIS.

Fine plants, 3-inch pots.....per doz., $1.00; per 100, $8.00
" " 4-inch pots..... " 2.00; " 15.00
" " 6-inch pots.....each, 60 cts.; per doz, 7.00

PANDANUS VEITCHII.

Fine plants, 6-inch pots.....each $1.00; per doz, $12.00

FERNS FOR FERN DISHES.

We carry at all times a large stock of Ferns suitable for filling Fern Dishes, etc., which can be supplied in choice mixture of our selection.

2¼-inch pots.....$3.00 per 100; $25.00 per 1000
3 inch pots.....$6.00 " $50.00 "
250 will be supplied at 1000 rates.

We are **Headquarters** for **Water Lilies and all Aquatic Plants, Largest Stock and Best Assortment of Hardy Perennial Plants in the country.** All are fully described and illustrated in our March to July Wholesale List which has just been distributed.

HENRY A. DREER,
714 Chestnut Street, PHILADELPHIA, PA.

Rooted Cuttings

Alternanthera, strong, red and yellow, 50c per 100. **Coleus,** 25 sorts, 50c per 100. **Ageratum,** Princess Pauline, 50c per 100.

RANDOLPH BROS., Delavan, Ill.

GERANIUMS in Bud and Bloom

Strong, healthy plants of the finest varieties, scarlet, red, pink and white; double and single, from 3 in. pots, ready for 4's. $5.00 per 100. Fine bloom, will sell readily.

C. W. TURNLEY, Haddonfield, N. J.

Please mention the American Florist when writing.

AZALEAS, 10 to 12-in., 40 cents each; large plants, 50 cents. **CYCLAMENS,** 4-in., $8 per 100; **CYCLAMENS,** 5-in., $1.50 per dozen. **CINERARIAS,** 4-in., $8 per 100; **CINERARIAS,** 5-in., $1.50 per dozen. **HARRISII LILY PLANTS,** 10 cents per bud. **OBCONICA PRIMROSES,** 4-in., $1.00 per dozen. All the above are guaranteed right for Easter. **PANSIES,** large transplanted plants, 50c per 100; $3 per 1000.

WHITTON & SONS,
Corner City and Green Sts., UTICA, N. Y.
Please mention the American Florist when writing.

Orchids!

Our Illustrated and Descriptive Catalogue of Orchids is now ready and may be had upon application.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

PLACE YOUR NAME.....

and your specialties before the purchasing florists of the entire country by advertising in

SEND ADVT. NOW. **THE AMERICAN FLORIST.**

Detroit.

FAVORABLE WEATHER AFFORDS ASSURANCE OF LARGE SUPPLIES FOR EASTER.—CLUB HOLDS INTERESTING SESSION.—PLANS FOR NEXT MEETING.

The continuous bright and warm weather so very exceptional in this latitude has greatly advanced the tardy Easter lilies that have been giving the growers such apprehension because of the early date of Easter this year, so that now a good and sufficient stock is assured. Some complaints are heard of the shortness of the plants, but otherwise a healthy condition of the stock, which is mostly longiflorum, is reported. A good supply of stock of all kinds is now available. An improvement in Beauties is noted, while violets are most excellent and selling well, as are, indeed, flowers of all kinds, and everyone looks forward to a record-breaking Easter trade.

The club meeting of March 5 was well attended and two new candidates were elected to membership. The subject of the evening was "In what way can the club be conducted to better advantage," assigned to Frank Holznagle, who read a carefully prepared essay on the subject, showing deep consideration, and outlined many plans for the club's improvement. The discussion which followed led to thoughts on many phases of the club's management.

J. F. Sullivan returned Sunday evening from Asheville, N. C., where he attended the executive meeting of the S. A. F. and at the next meeting of the club he will relate his observations and impressions of his trip. He is also assigned for the same meeting the subject, "Was the visit to the recent carnation meeting a profitable one?"

Herman Knope, who has been foreman for Geo. A. Rackman several years, will soon assume charge of J. Breitmeyer's Sons' Mack avenue establishment. The position he vacates at the former place will be filled by Wm. Flowerday, who for a long time has been employed on the place.

The two Franks of our club, Beard and Holznagle, were recently elected trustees of their respective villages of Woodmere and Highland.

Visitors: C. W. Ward, Queens, L. I.; Leopold Oesternei, New Rochelle, N. Y.; E. J. Fancourt, Philadelphia; A. L. Vaughan, Chicago. J. F. S.

WAUKEGAN, ILL.—James Armstrong has charge of the Northwestern railroad's greenhouses here, producing carnations for the dining cars and bedding plants for the station grounds.

Phrynium Variegatum.

An elegant variegated, green and white foliage plant of great value for decorative purposes and bedding. No florist with a good trade can afford to be without it. Tubers should be started now. We offer strong tubers at $4.00 per 100.

PHŒNIX PALUDOSA. One of the most valuable sorts of the Date Palm family for decorative purposes, well developed plants from 6-inch pots, $35.00 per 100.

DRACÆNA BRAZILIENSIS. Elegant broad leaved sort, valuable in decorative work, 5 inch pots, $20.00 per 100.

ASPARAGUS SPRENGERI, strong 2¼-inch pots, $1.50 per 100.

ASPARAGUS TENUISSIMUS, strong 2½-inch pots $3.00 per 100.

GUAVA CATTLEYANA. (Yellow) fine fruiting and decorative pot plant, extra strong 2½-inch, $3.50 per 100.

We offer a large stock of Crinums, Amaryllis and pot Oranges. Send for list.

Jessamine Gardens, Jessamine, Fla.

Please mention the American Florist when writing.

CARNATIONS, PALMS, Etc.

Strong plants, 2¼-in. pots.	Per 100
Prosperity	$4.00
Lorna	4.00
California Gold	2.50
Ethel Crocker	2.50
G. H. Crane	2.00
Joost	2.00
White Cloud	2.00

GERANIUMS.

Jean Viaud	5.00
Marquis de Castellaine	5.00
In variety, best bedding sorts	3.00
ROSE GERANIUMS, strong	2.50
CANNAS, all the standard varieties, strong roots	2.50
MOONFLOWER, Ipomœa Grandiflora	3.00
PRIMULA FORBESI	3.00
HELIOTROPES, six varieties	2.00
SELAGINELLA Emiliana	2.00
FUCHSIAS, in good assortment of varieties, 2½-in. pots	2.50

	Per 100
Areca Lutescens, 2½-in. pots, $30.00 per 1000	$4.00
Areca Lutescens, 3-in. pots	8.00
Areca Lutescens, 4-in. pots., 3 plants in a pot	20.00
Kentia Belmoreana, 2½-in. pots	7.00
Kentia Belmoreana, 3 in. pots	15.00
Latania Borbonica, 2½-in. pots	3.00
Latania Borbonica, 3-in. pot, $40 per 1000	5.00
Pandanus Utilis, 2½-in. pots	5.00
Pandanus Utilis, 4-in pots	15.00
Pandanus Veitchii, 4-in. pots, $6.00 per doz.	
	Per 100
ASPARAGUS PLUMOSUS, 2½-in.	$4.00
ASPARAGUS SPRENGERI, strong, 2½-in.	2.00
ASPARAGUS SPRENGERI, strong, 3-in.	3.00
SPIRAEAS, Nana Compacta, Astilboides, Floribunda and Japonica at	3.50
AZALEA MOLLIS, fine for Easter	35.00
TUBEROUS ROOTED BEGONIAS, single, separate colors	3.00
TUBEROUS ROOTED BEGONIAS, double, separate colors	6.00
GLOXINIAS	4.00

The Storrs & Harrison Co.

PAINESVILLE, OHIO.

ROOTED CUTTING LIST

NOW READY FOR SHIPMENT.

	Per 100	Per 1000
Marguerites	$ .75	$ 6.00
Heliotrope, 4 varieties	.60	5.00
English Ivy	2.00	18.00
Pyrethrum, double white	1.00	8.00
Achyranthes, 4 varieties	1.00	8.00
Salvia, 4 varieties	.60	5.50
Ageratum, 6 varieties	.60	5.00
Alternanthera, 4 varieties	.75	6.00
Fuchsias, 3 varieties	1.25	10.00
Abutilons, 12 varieties	2.00	18.00
Coleus, 75 varieties, named	.75	6.00
" not named	.60	5.00
" Verschaffeltii, red	.60	4.50
" " golden	.60	4.50

	Per 100	Per 1000
Coleus, Golden Bedder	.60	4.50
" Brilliancy	8.00	

Boston Ferns Strong, bushy, well grown stock for immediate shipment.

	Per 100	Per 1000
2¼-inch pots	$2.50	$22.00
2½-inch pots	3.00	28.00
3 -inch pots	6.00	55.00

PTERIS TREMULA, 2¼-inch pots, per 100, $2.00; 2½-in. pots, per 100, $3.00; 3-in. pots, per 100, $5.

For list of varieties see AMERICAN FLORIST of Nov. 9. If wanted by mail add 15c per 100. Samples by mail 25c.

CHRYSANTHEMUMS W. H. Lincoln, Jerome Jones, Golden Wedding, Philadelphia, Ivory, Thornden, Pres. Smith, Minnie Wanamaker, Louis Boehmer, Maud Dean, Viviand-Morel, Bajor Bonnaffon, G. W. Childs. Rooted cuttings, grand stuff, $1.25 per 100; $10.00 per 1000.

☞ All the above sold on the positive guarantee of their being first-class, if not, your money at once refunded.

JOHN IRVINE & SONS, Bay City, Mich.

A Discount of 10 % on Wittboldii Ferns

FOR 30 DAYS ONLY.

2½-inch, $5.00; 3-inch, $8.00; 4-inch, $12.00; 5-inch, $20.00 per 100. Bench plants, $3.00 per 100. Good for 10-inch pots, 50 cts. each.

THESE ARE JUST WHAT YOU WANT FOR EASTER.

CASH PLEASE. **A. J. BALDWIN, Newark, Ohio.**

A SPECIALTY Boston Ferns for Easter, $50. $25 and $20 per 100. Excellent Kentias, 6-in., 3 ft., $1.00 each. Asp. Plum. Nanus, 4-in., $1 25 per doz. R. C. Coleus, mixed, 50c per 100; Ver. and G. B, 75c. per 100.

L. H. FOSTER, 45 King St., Dorchester, Mass.

Please mention the American Florist when writing.

Geraniums

Red, white, pink, salmon, rose, ivy and pelargoniums, in 2½ and 3-in., ready for shift; write

GEO. A. KUHL, Pekin, Ill.

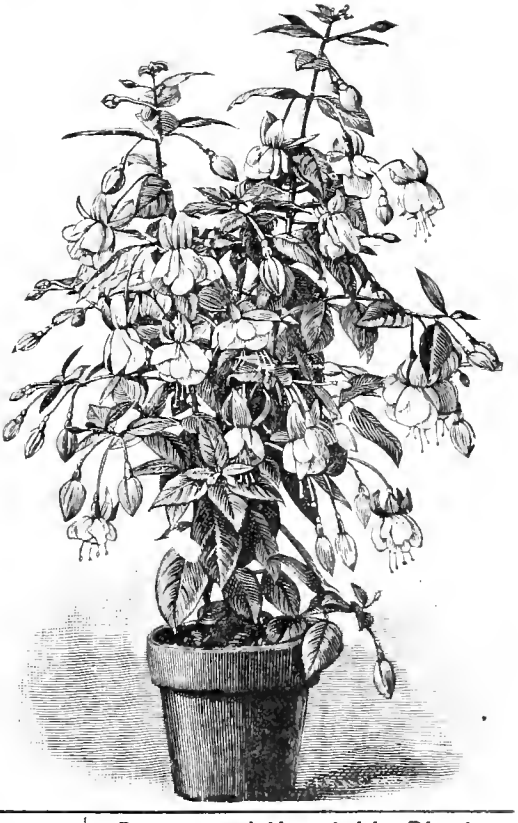
Please mention the American Florist when writing.

Cannas! Cannas! Cannas!

We Offer all the Standard Sorts Fine Growing Plants in pots at 50c per Doz.; $4 per 100.

	Doz.	100	1000
Azaleas in bud for Easter, 9 to 12 in. in diameter	$3.50		
Azalea Mollis, 15 to 25 buds	2.50		
Ampelopsis Veitchii, field-grown, 5 ft. long	1.50		
Alyssum, Giant flowering, 2½-inch pots	.30		
Araucaria Excelsa, 3 tiers, 12 in. high, 60c each	5.00		
Araucaria Excelsa, 4 tiers, 16 in. high, 75c each	7.50		
Araucaria Excelsa, 5 tiers, 20 in. high, $1.00 each	9.50		
Asparagus Sprengeri, 2½-in., fine plants	.50	$ 2.50	$22.50
Asparagus Plumosus, extra fine	.50	3.00	27.50
Browallia Gigantea, fine for bedding, baskets and vases, 2½-inch	.50	3.00	
Begonia Rex, 25 leading sorts, 2½-in.	.50	4.00	
Clematis, large flowering Jackmani and other strong 2-year old	3.50	25.00	
Cyclamen Persicum Giganteum, fine 2½ inch stock	.50	3.00	25.00
Chrysanthemums, all the best varieties, 2½-inch pots	.40	2.50	20.00
Cycas Revoluta, fine plants, 6 to 8 leaves, $1.50 each.			
Cycas Revoluta, fine plants, 10 to 12 leaves, $2.25 each.			
Coleus, all the leading sorts, best bedders, 2½-inch pots	.30	2.00	18.00
Carnations, a choice assortment, 2½-in.	.50	3.00	27.00
Caladium Esculentum, fine bulbs, 3 in. diameter	50	4.00	
Caladium Esculentum, strong bulbs, 4 to 5 inches in diameter	1.00	6.50	
Caladiums, Fancy, the best you have ever seen in 10 best sorts	1.25	9.00	
Cyperus Alternifolius, (Umbrella Plant) 2½-inch pots	.35	2.50	20.00
Camellias, fine plants, 18 inches high, all leading sorts	5.00	40.00	
Camellias, fine plants, 24 inches high	6.50	50.00	
Boston Ferns, fine 2½-inch stock	.50	2.50	22.50
Fuchsias, a grand collection, both double and single varieties	.50	3.00	25.00

	Doz.	100	1000
Geraniums, all the leading varieties of double and single flowers, 2½-in.	.50	3.00	25.00
Grevillea Robusta, fine basket and vase plants, 2½-inch pots	.30	2.00	17.50
Hibiscus, 12 leading sorts	.50	3.00	27.50
Hardy Shrubs, Weigelias, Spiræas, Snowballs, Hydrangeas, Calycanthus, Lilacs, Althæas, Dentzias, Pyrus, field-grown plants	.75	5.00	
Lantanas, best bedding, dwarf kinds	.50	3.00	25.00
Ponderosa Lemon is a grand pot plant and the largest of all lemons			
" 2½-inch pots	.60	5.00	40.00
" 3-inch pots, 10 to 12 inches high	1.25		
" 4-inch pots, 12 to 15 inches high	1.75		
" 5-inch pots, 16 to 20 inches high	2.25		
" 8-inch pots, 2½ to 3 feet	75c each.	6.00	
Moon Flowers, Order these now, as you always need them later and cannot get them	.50	3.00	
Marguerite Daisies, best sorts, white and yellow, 2½-inch pots	.50	3.00	25.00
Primula Forbesi, (Baby Primrose) fine 2½-inch pots	.40	2.50	20.00
Roses. We have an immense stock of three million plants, all the standard varieties, Teas and Hybrid Teas, 2½-inch pots	.50	3.00	25.00
Hybrid Perpetuals, standard sorts, 2½-inch pots	.50	3.50	30.00
New Fancy Rose, **Helen Gould**, (Baldwin) we have a grand lot of this fine rose, 2½-inch pots	.75	5.00	45.00
Swainsonia, white and pink, 2½-inch pots	.50	3.00	25.00
Violets, standard sorts, double white and purple and single purple, 2½-in. pots	.40	3.00	25.00



The GOOD & REESE CO.,

Springfield, Ohio.

THE LARGEST ROSE GROWERS IN THE WORLD.

ROOTED CUTTINGS

Estelle, $5.00; Lawson, $4.00; Marquis and Elm City, $2.00; Crocker and Lord, $1.00 per 100. Other varieties on application.

Genistas, bushy plants for Easter, 6-in. pots, $4.50 per doz.

DANA R. HERRON, OLEAN, N. Y.

... LILIES ...

Will probably be scarce with you and you will want some fine **BOSTON FERNS** for Decorative Plants. Write

GEO. A. KUHL, PEKIN, ILL.,

for them in 5, 6 and 7-in., also Specimen Plants in 8 and 10-in.

Pansy and Vegetable Plants.

Cabbage, Lettuce and Pansy plants ready after April 1. Tomato, Pepper, Celery and Cauliflower ready May 1. These are stocky transplanted plants from best seed obtainable; hardened off in cold frames. For prices write

FRANK SHEARER & SON.,

Gardeners, BINGHAMTON, N. Y.

Richmond, Ind.

HILL PLACE IN FINE SHAPE AND EVERYONE BUSY —BIG SEASON IN ALL LINES.—GRAVES HAS SPLENDID CARNATIONS.

Things seldom looked better at E. G. Hill's, nor have they enjoyed a heavier trade in years. The demand for carnation cuttings has been unprecedented, such varieties as Dorothy, Glacier, Avondale, Lawson, Lorna and Estelle having been distributed in great quantities. California draws heavily for these favorites and even England is awakening to the fact that the American carnation is without a peer. The center of attraction to the visitor just now is Adonis. To speak of its merits would be simply a repetition of what has been written about it time and again. Nelson and Cressbrook are two pinks which have come to stay, although Dorothy and Lawson still hold their own. Chrysanthemum plants are selling well, the best varieties of recent introduction being much in demand. Timothy Eaton seems to be the universal favorite, while Col. Appleton heads the list of yellows. Geraniums, as usual, are being shipped in large quantities and the new ones, some of which bid fair to become standards, are equally in demand. Two additional houses of large size will be built in the early spring.

A call at the Graves place proved more than of passing interest. There I saw Dorothy in all its glory, both quantity and quality. White Cloud is grown to perfection and America could not possibly be improved upon. President McKinley, the new carnation for 1903, fully deserves the illustrious name. It is an ideal flower, possessing all the merits required by the average grower.

Chessman & Shepman have things in fine condition, both roses and carnations promising to come in heavy crop for Easter. They report a good business all along the line. NOMIS.

New Castle, Ind.

NEWS OF ANOTHER ROSE PRODUCING ESTABLISHMENT.—DITMAN TO BUILD.

The *Courier* of March 6 publishes the following: "William Ditman has severed his connection with the South Park Floral Company and will go into business for himself. Tuesday he purchased six lots in South Park upon which he will erect his range. The lots are well located. One fronts on Fourteenth street, two on South Park avenue and three on Fair street. Mr. Ditman will build two houses at first. They will be 200 feet long and he will devote them to the culture of roses. 'Billy' will undoubtedly meet with much success in his new venture as he is one of the best florists in the business. He has a thorough knowledge of the business and will produce some prize winners."

Chrysanthemums

Fine stock of all the best commercial varieties, strong rooted cuttings now ready. Monrovia, Robt Halliday, 4c.; Timothy Eaton, 3c; Golden Beauty, Nellie Pockett, Lavender Queen, Colonel Appleton, Feedu Champsaur, Superba, 2c.; White Bonnaffon, J. K. Shaw, October Sunshine, F. B. Hayes, Mrs. E. D. Smith, 1½c; Major Bonnaffon, white and pink Glory of Pacific, Evangeline, Golden Wedding, Mrs. Murdock, Wallerco, Helen Bloodgood, Adula, etc., 1c. 500 in 10 to 20 varieties, my selection, $10.00.

Fine 2½-inch plants of all above varieties at double price of rooted cuttings. Cash with order.

Gunnar Teilmann, Marion, Ind.

Asparagus Sprengeri.

We have a fine lot of strong plants which have been grown cool and dry. These are now starting into active growth and can be divided to make 4 to 6 plants. Such divided plants are stronger and more satisfactory than seedlings. $4.00 to $6.00 per 100, according to size.

CINERARIAS.

From the best strains. Well shaped plants in bud and bloom for **Easter Sales.** From 4-in. pots, $8.00 per 100; 5-in. pots, $10 00 per 100.

Nephrolepis Cordata Compacta and Nephrolepis Cordifolia.

This is exceptionally strong 3-in. pot stock and a bargain. $4.00 per 100.

BEGONIA REX.

The best standard varieties, $5.00 per 100.

NATHAN SMITH & SON. Adrian, Mich.

	Per 100
Ageratum Princess Pauline	$2.50
Alyssum, double and Tom Thumb	2.50
" variegated	3.00
Alternanthera, two varieties	3.00
Begonias in variety	4.00
Chrysanthemums, fine sorts	3.00
Coleus, 20 sorts	2.50
" Rooted Cuttings, $8.00 per 1000	1.00
Centaurea Gymnocarpa	2.50
Feverfew Little Gem	2.50
Geraniums, leading sorts, splendid stock, $25 00 per 1000	3.00
" 3-inch	5.00
" 4-inch	10.00
Geraniums, Rose and Mount of Snow	3.00
" Ivy Leaf, Souv. de Chas. Turner	3.00
" Bronze	4.00
" Mme. Pollock	6.00
" Happy Thought	5.00
Heliotrope	3 00
Hydrangea Hortensis, extra strong, 4-inch	15.00
" " " 3-inch	10.00
Lobelia	2.50
Lemon Verbenas	4.00
Marguerites, yellow and white	3.00
Moon Vines (white)	4.00
Nerium, double pink and white	3.00
Pelargonium, Victor	5.00
" Mme. Thibaut	8.00
Pansies, from finest seed, $20.00 per 1000	2.50
Ivy, German	2.50
" English strong	4.00
Dracæna Indivisa, 5-in., $2.00 per doz.; 6 in., $4.00 per doz	
Vinca Major	3.00
Verbenas, very fine	2.50
" rooted cuttings, $5.00 per 1000	.75

W. L. Smith, Aurora, Ill.

PANSIES. Extra large stocky plants, some showing buds, of Odier, Cassier, Bugnot and Trimardeau, Mixture, $1.50 per 1000.

CARNATIONS. Rooted Cuttings, clean, healthy stock and well-rooted, of Lawson, $2.75 per 100; $25.00 per 1000.

Bradt	Per 100 $1.25	Maceo	Per 100 $1.75
Jubilee	" 1.10	Scott	" .75
Hill	" 1.00	Crocker	" 1.25
Meteor	" 1.10	Marquis	" 1.25
Egypt	" 2.50		

GERANIUMS, 2½-in., in 75 varieties, all good bedders, $2.50 per 100; 4-in., $5.00 per 100. Ivy Geranium, 2½-in., named varieties, $3.50 per 100. Sweet Alyssum, Dbl, 2½-in., $2.00 per 100.

ALTERNANTHERAS, 60c per 100, $5.00 per 1000. Daisy Etoile d' Or (new), $3.00 per 100. Agathæa Coelestis (Blue Daisy), $3.00 per 100.

PELARGONIUMS, in 20 different colors, 2½-in., $3.00 per 100, 3 in., $5.00 per 100; 4-in., $12.00 per 100. Fred Dorner, ever blooming, 2½-in., $10.00 per 100.

BEGONIA, New Double Semperflorens, Boule de Neige, Gloire du Montet, Triomphe de Lorraine, Emile Galli and others, 2½-in., $4.00 per 100.

These Prices cancel all others made.

HENRY ERNST & SON,
Washington, Mo.

Latania Borbonica

We have an extra fine stock of this valuable Palm to offer from 3-in. pots, showing one character leaf, at $4.00 per 100. This is a bargain. Also a fine lot of Cannas. Write for prices.

W. W. COLES, Kokomo, Ind.

Please mention the American Florist when writing.

==THE==

Princess of Wales VIOLET.

The most popular variety in this section and the most profitable. I have grown this variety in quantity for the last four years and I find it sells better than any other variety, double or single, and for better prices. I have the largest and finest stock in the country, and I am now booking orders for Strong Young Plants, April and May delivery at $2.00 per 100; $15.00 per 1,000; 500 at 1,000 rates.

WILLIAM SIM,
Cliftondale, Mass.

Pot Plants
AND CUTTINGS.

	Per 100
400 Hydrangeas 3½-in. pots, varieties, Thos. Hogg and Otaksa	$5.00
Chrysanthemums, 2-in. pots, early, midsummer and late varieties, per 1000, $15.00	2.00
Double Petunias, strong, 3 in. pot plants, $3.00 per 100; 2-in.	2.00
Rooted Cuttings, varieties, Pink Beauty, large double white, and a few other fine sorts	1.00
Alternantheras, four varieties; per 1000, $4 00	.50

Cash.

C. G. NANZ,
1007 WALNUT ST. OWENSBORO, KY.

SIEBRECHT & SON'S

SPECIAL OFFER OF PLANTS FOR MARCH AND APRIL . . .

Largest and grandest stock in the country. **Home Grown and Not Imported.** Compare our stock before ordering. If you cannot visit our nurseries, send a sample order, and we know you will place your entire order with us. Also remember we are **Headquarters** for Bay Trees, Box Trees, Aucubas and Large Specimens.

EVERGREENS OUR SPRING AND SUMMER CATALOGUE READY.

ARECA LUTESCENS (Bushy and Compact).

2-inch pot,	1 Plant,	6 to 8 inches high.		$ 5.00	per 100
3 " "	2 Plants,	12 to 15 "	"	9.00	"
4 " "	3 "	15 to 18 "	"	22.50	"
5 " "	3 "	18 to 24 "	"	75.00	"
6 " "	3 "	20 to 30 "	"	90.00	"
7 " "	3 "	30 to 36 "	"	18.00	dozen
8 " "	3 "	3 feet, strong		2.25	each

Specimen Plants, 8 and 9-inch pots, extra strong and bushy, $3.50 to $7.50 each.

KENTIA BELMOREANA (Queen of Palms).

2½-inch pots	10 to 12 inches high.	For growing on and Fern Dish Centers		$10.00	per 100
3-inch pots	10 to 16 inches high			18.00	" "
4 " "	16 to 18 "	"		32.50	" "
5 " "	20 to 24 "	"		9.00	per dozen
5 " "	24 to 26 "	"		12.00	" "
6 " "	26 to 28 "	"		14.00	" "
6 " "	28 to 30 "	"		16.00	" "
7 " "	30 to 32 "	"		1.80	each
7 " "	34 to 36 "	"		2.25	"
8 " "	36 to 38 "	"		3.75	"
8 to 9-inch pots heavy and very fine				$5.00 to 7.50	"

Large specimens. Price on application. We can supply to 22 feet high.

KENTIA BELMOREANA (Bush Plants).

4-inch pot,	3 to 5 in pot,	15 to 18 inches high		$ 9.00	dozen
5 " "	" "	18 to 20 "	"	12.00	"
7 " "	" "	24 to 30 "	"	2.50	each

KENTIA FORSTERIANA.

3-inch pots,	5 to 6 leaves,	12 to 15 inches high		$2.30	dozen
4 " "	5 to 6 "	16 to 18 "	"	4.25	"
5 " "	5 to 6 "	20 to 22 "	"	6.00	"
6 " "	5 to 6 "	24 to 30 "	"	9.00	"
6 " "	6 "	32 to 38 "	"	1.40	each
7 " "	6 to 7 "	36 to 40 "	"	2.00	"
8 " "	6 to 7 "	42 to 48 "	"	2.80	"

KENTIA WENDLANDIANA.

4-inch pots,	strong,	15 to 18 inches high		$ 6.00	per dozen
5 " "	"	18 to 20 "	"	10.00	"

BOUGAINVILLÆA SPECTABILIS.

The large flowering variety. Strong plants from 3½-inch pots.....$3.00 per dozen

CARYOTA URENS.

2¼-inch pot, grand stock.....$7.00 per 100

LIVISTONA ROTUNDIFOLIA.

Miniature Fan Palm.

3-inch pots,	fine stock	$15.00	per 100
5 " "	" " strong	6.00	dozen
6 " "	" " " "	1.00	each

Large Specimens, $1.50 to $3.50 each.

LATANIA BORBONICA (Fan Palm).

4-inch pots,	12 to 15 inches high			$25.00	per 100
5 " "	15 to 18 "	"		35.00	"
6 " "	18 to 20 "	"		8.00	dozen

8, 9 and 10-inch pots, large specimens, $3.50 to $7.50 each.

CANNAS (started).

In 20 best named varieties....$4.00 per 100; $35.00 per 1,000

CHRYSANTHEMUMS.

Best named varieties, for cut flowers. Rooted cuttings transplanted from flats.....$3.00 per 100; $25.00 per 1,000

DAHLIAS (started).

Roots (not cuttings) in 25 of the best varieties for cut flowers, ...$7.50 per 100; $70.00 per 1,000

BOXWOOD TREES AND BUSHES.

Standard and Pyramid forms.

Standard forms	$1.50 to $7.50 each
Pyramids	$1.50, $2.50 to $6.00 each

Rose Hill Nurseries, New Rochelle, N.Y.

GENERAL LIST OF HERBACEOUS PLANTS.

Field-grown stock indicated by figures, f. g.; pot- grown, 3½-ins., by p.

	Per 100.
Achillea, The Pearl, p.	$3 00
Achillea filipendula, p.	3 00
Achillea roseum, p.	3 00
Adonis vernalis, fg.	4 00
Agrostemma coronaria, fg.	4 00
Agrostemma Flos Jovis, fg.	4 00
Anemone sylvestris, p.	3 00
Anemone Japonica rubra, p.	3 00
Anemone, J. "Whirlwind," 2-in.	3 00
Anemone Penn. 2-in. pots.	3 00
Asclepias pulchra, p.	6 00
Asclepias tuberosa, p.	3 00
Apois tuberosa, p.	3 00
Armeria maritima, p.	3 00
Arabis alpina, p.	3 00
Artemisia arbrotanum, p.	3 00
Astilbe Japonica, fg.	4 00
Alyssum saxatile, 2-in. pots.	3 00
Anthemis Kelwayil, p.	3 00
Aquilegia vulgaris, fg.	4 00
Aquilegia " white, fg.	4 00
Aquilegia coerulea, fg.	4 00
Aquilegia Vervaeneana, fg.	8 00
Aquilegia chrysantha, fg.	4 00
Aquilegia glandulosa, fg.	8 00
Aquilegia Canadensis.	8 00
Aletris farinosa, fg.	3 00
Aralia hispida, fg.	8 00
Arenaria squarrosa, fg.	6 00
Asarum Canadense, fg.	8 00
Asplenium ebeneum, fg.	4 00
Aster Novae-Angiae, p.	3 00
Aster grandiflorus, p.	3 00
Aster alpinus, p.	3 00
Aster pyramidalis, p.	3 00
Aster pyramidalis, fg.	4 00
Aster linariifolius, fg.	6 00
Aster longifolius, fg.	10 00
Aster patens, fg.	6 00
Aster puniceus, fg.	10 00
Aster spectabilis, fg.	6 00
Aster Tradescanti, fg.	6 00
Aster Tataricus, fg.	6 00
Bocconia cordata, fg.	4 00
Boltonia asteroides, fg.	6 00
Baptisia tinctoria, fg.	6 00
Calla palustris, fg.	8 00
Caltha palustris, fg.	6 00
Caryopteris Mastacanthus, p.	3 00
Clematis Davidiana, p.	3 00
Clematis paniculata, p.	3 00
Campanula pyramidalis, fg.	4 00
Campanula pyramidalis, 2-in. blue.	3 00
Campanula pyramidalis, 2-in. white.	3 00
Campanula Medium, fg.	4 00
Campanula compacta, 2-in. pots.	3 00
Coreopsis lanceolata, p.	3 00
Coreopsis grandiflora, p.	3 00
Chrysanthemum, hardy, fg.	4 00
Chrysanthemum inodorum, fg.	4 00
Chrysanthemum uliginosum, fg.	4 00
Dentaria laciniata, fg.	6 00
Dicentra Canadensis, fg.	5 00
Dicentra spectabilis, fg.	5 00
Drosera filiformis, fg.	4 00
Delphinium azureum, fg.	4 00
Delphinium Sinensis, fg.	4 00
Delphinium nudicaule, 2-in. pots.	3 00
Dianthus barbatus, fg.	4 00
Dianthus Her Majesty, fg.	4 00
Dianthus May, fg.	4 00
Digitalis monstrosa, fg.	4 00
Digitalis grandiflora, 2-in. pots	3 00
Digitalis spotted, fg.	4 00
Epilobium angustifolium, fg.	8 00

	Per 100.
Eryngium Virginicum, fg.	6 00
Eupatorium purpureum, fg.	6 00
Eupatorium ageratoides, fg.	6 00
Eulalia Japonica, fg.	4 00
Eulalia Japonica, Var. fg.	4 00
Eulalia zebrina, fg.	4 00
Eulalia gracillima, fg.	4 00
Euphorbia corollata, p.	3 00
Funkia lanciifolia, fg.	4 00
Funkia Sieboldii, var, p.	4 00
Funkia coerulea, p.	3 00
Gentiana Saponaria, fg.	8 00
Gerardia flava, fg.	6 00
Gillenia trifoliata, fg.	10 00
Gratiola aurea, fg.	6 00
Gaillardia grandiflora, p.	3 00
Geranium Ibericum, p.	3 00
Geranium maculatum, p.	3 00
Geum astro-sanguineum, fg.	4 00
Helenium autumnale, fg.	4 00
Helianthus angustifolius, fg.	6 00
Helianthus stromusus, fg.	6 00
Helianthus Soliel d'Or, 2-in. pots.	6 00
Helianthus multiflorus, 2-in. pots.	3 00
Heliopsis Pitcherianus, fg.	4 00
Helonias bullata, fg.	6 00
Hemerocallis flava, fg.	4 00
Hemerocalis Sieboldii, fg.	4 00
Hepatica acutiloba, fg.	6 00
Heuchera Americana, fg.	4 00
Hibiscus Crimson Eye, fg.	4 00
Hibiscus coccineus, p.	3 00
Hibiscus Rose Pink, fg.	6 00
Hollyhocks, 4 colors, fg.	4 00
Houstonia coerulea, fg.	6 00
Hypericum angulosum, fg.	6 00
Iberis sempervirens, 2-in. pots.	3 00
Ipomoea pandurata, fg.	12 00
Iris Germanica, p.	3 00
Iris pumila, p.	3 00
Iris Siberica, p.	3 00
Iris Kaempferi, fg.	4 00

Dancing Lion, purple, very large and double.
Sky-against-the-clouds, white, very large and fine.
Glorious, maroon and white, variegated.
Crane, white and blue, large and fine.
Hollyhock, blue, shaded purple.
Fairy, bright blue.
Columbia, violet, very large and double.
Admiration, maroon, spotted lighter, very grand.
Surprise, violet, bright and clear.
Sawo-Watshii, pure white, large and fine.
Yum Yum, purplish blue.
Kasui-no-iro, light blue, very handsome.
Snow Cloud, double white, large and beautiful.
Spotted Fawn, light purple, with white spots.
Midnight, violet, very large and double.
Koko-no-iro, light purple, large and double.
Tora-odori, variegated blue, large flower.
Data Dogu, bright purple, very large and attractive.

	Per 100.
Lavandula vera, p.	$3 00
Lychnis Chalcedonica, fg.	4 00
Lobelia cardinalis, p.	3 00
Lobelia syphilitica, fg.	6 00
Linum perenne, p.	3 00
Lathyrus latifolius, p.	3 00
Liatris graminifolia, fg.	4 00

	Per 100.
Liatris spicata, fg.	5 00
Lilium Philadelphicum, fg. each	35
Lupinus perennis, fg.	8 00
Lysimachia ciliata, fg.	8 00
Lythrum Salicaria, fg.	8 00
Matricaria, fg.	4 00
Mitchella repens, fg.	3 00
Mondara didyma, fg.	4 00
Myosotis palustris, p.	3 00
Oenothera Fraserii, p.	3 00
Oenothera fruticosa, fg.	4 00
Papaver bracteatum, 2-in. pots.	3 00
Platycodon grandiflorum, p.	3 00
Platycodon grandiflorum	3 00
Platycodon Mariesii, p.	3 00
Paeonies, red, pink, rose, fg.	9 00
Pardanthus Sinensis, fg.	3 00
Pentstemon, assorted, fg.	4 00
Pentstemon barbatus, fg.	4 00
Phlox subulata alba, p.	3 00
Phlox subulata rosea, p.	3 00
Phlox, herbaceous, fg.	4 00

Alceste, fine pink, red center.
Aurora Boreale, orange, with purple center.
Caran d'Ache, carmine.
Epopee, violet, with red center.
Hector, pink, very large and fine.
J. H. Slocum, rose pink, crimson eye.
Jules Jouy, lilac, with white center.
Mme. P. Langier, bright red, vermilion center.
Premier Minister, white, with deep rose center.
Terre Neuve, lilac, violet center.
Queen, pure white. Nothing can surpass it.
Richard Wallace, white, with violet center.

	Per 100.
Physostegia Virginiana, fg.	$4 00
Pyrethrum roseum, fg.	4 00
Plumbago Larpentae, p.	8 00
Pyrolo rotundifolia, fg.	4 00
Rudbeckia Golden Glow, fg.	4 00
Rudbeckia Newmanii	3 00
Salvia pratensis, fg.	4 00
Statice latifolia, fg.	4 00
Tritoma grandiflora, p.	3 00
Tradescantia Virginica, p.	3 00
Trillium grandiflorum, p.	3 00
Valeriana, fg.	4 00
Veronica officinalis, p.	3 00
Yucca filamentosa, fg., small.	3 00
Yucca filamentosa, fg., large.	8 00

SHRUBBERY.

Berberis vulgaris, fg.	$6 00
California privet, 2 ft., fg.	3 00
Calycanthus floridus, fg.	6 00
Deutzia, Pride of Rochester, fg.	5 00
Forsythia viridissima, fg.	6 00
Hydrangea panticulata grandiflora, fg., small	4 00
Hydrangea paniculata grandiflora, fg., large	12 00
Kerria Japonica, fg.	6 00
Ribes (flowering currants), fg.	6 00
Sambucus aurea, fg.	6 00
Spiraea Thunbergii, fg.	6 00
Spiraea Anthony Waterer, p.	3 00

Single plants sold at 100 rates, when not less than 100 are taken. Under this amount rates will be doubled.

Not less than 500 plants sold at 1,000 rates.

EDWARD B. JACKSON, Stamford, Conn.

Dahlias

Mrs. Winters

THE WORLD'S BEST WHITE DAHLIA.

Novelties and Standard varieties. 18 yrs'. experience and have failed of no prize competed for.

See my catalogue before placing your order. Also fine field-grown Hollyhocks at $2.50 per 100. Cannas, Paeonias and Hardy Plants. Cheap mixtures are dear; get the best.

W. W. WILMORE, The Dahlia Specialist,
Box 382, DENVER, COLO.

For Sale....

A GREAT BARGAIN.- 75 Cypripedium Insigne strong blooming plants, grown in 7 to 10 in. pots in fine condition. Write for price at once.

W. T. & F. P. BUTZ, New Castle, Pa.

PALMS.

HOME-GROWN, FINE, CLEAN STOCK; GROWN COOL.

Write for Price List. **J. B. HEISS,**
The Exotic Nurseries, **DAYTON, OHIO.**

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For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO.,
.....324 Dearborn St., CHICAGO.

GERANIUMS

	Per 100
16 fine varieties, 2½-inch pots	$3.00
16 fine varieties, 3-inch pots	4 00
500 Asparagus Sprengeri, 2-inch pots	2.00
Coleus, 15 varieties, 2-inch pots	2.00
Verbenas, 2-inch pots	2 00
Vinca Var., 2-inch pots	2.50
Pansy Plants, from seed beds, 1000, $3	.50

CASH OR C. O. D.

J. H. CUNNINGHAM, Delaware, O.

Rooted Cuttings.

Ageratum, True Blue and nearly white, Cuphea, Coleus, 10 varieties; Swainsonia, Heliotrope, Salvia, white and yellow Daisies, $1.00 per 100; $8.00 per 1000. Roses—Brides, Maids, Meteors, $1.25 per 100. Vinca Var., $1.25 per 100.

Cash with order. Well rooted.

La Roche, Collingdale, Pa.

NEPHROLEPIS WITTBOLDII

We have a splendid stock of Nephrolepis Wittboldii in 8-inch fern pans, at from $12 to $18 per dozen. Plants from 2 to 3 feet high and in prime shape for Easter sales. Smaller sizes for growing on. The fronds are of great value for cutting purposes.

Variety		Per doz.
ARECA LUTESCENS	4-inch	$ 3.00
" "	5 "	5.00
" "	6 "	9.00
KENTIA BELMOREANA	4 "	4.00
" "	5 "	9.00
" "	6 "	18.00
KENTIA FORSTERIANA	4 "	4.00
" "	5 "	9.00
" "	6 "	15.00
LATANIA BORBONICA	4 "	3.00
" "	5 "	5.00
" "	6 "	9.00
" "	7 "	10.00
" "	8 "	24.00
FICUS ELASTICA	6 "	9.00

Variety		Per doz.
ARALIA SIEBOLDII	5-inch	$ 4.00
" "	6 "	6.00
FERN BALLS, well started		5.00
BOSTON FERNS	2-inch	per 100, $1.00
" "	5 "	3.00
" "	6 "	5.00
" "	8 "	15.00
" "	runners	per 1000, $30.00
PANDANUS VEITCHII	5-inch	12.00
" "	6 "	18.00
" "	8 "	36.00
ASPARAGUS PLUMOSUS NANUS	2-inch	per 100, $4.00
" "	3 "	" 8.00
" "	from seed bed	$25.00 per 1000

Send for our new illustrated descriptive catalogue.

THE GEO. WITTBOLD CO.

PALMS AND FERNS,

1657 Buckingham Place, CHICAGO, ILL.

Geraniums in Bloom

Nutt, Poitevine, Riccard, Grant, Bruant, Doyle, in bloom, 3-in. pots $3.00; 2½-in. pots, $2.50 per 100. **Pelargoniums** in 2½-in. pots, $2.50 per 100. These are A 1 plants.

G. P. MOORE, OCEAN CITY, N. J.

100,000 Pansies.

The Jennings' Strain, extra fine plants, all transplanted, many are fringed and curled, strong plants, $4.00 per 1000, express; 75c per 100 mail. Large plants, $1.00 per 100, by express only. Stock the finest. Grown in cool houses. Seed, $1.00 per pkt. Cash.

E. B. JENNINGS, Lock Box 254, Southport, Conn.
Grower of the Finest Pansies.

FAXON'S "WHITE HOUSE" PANSIES.

The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.

In Trade Packets at $1.00 each.

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Correspondence solicited.

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OFFERS THE FOLLOWING **PALMS**

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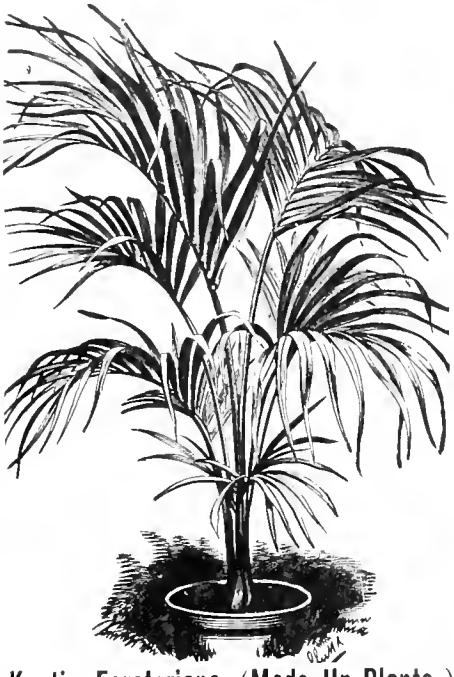

Kentia Forsteriana (Made Up Plants.)
8-in. pot, 4 plants in pot, 36-in. high, each, $3.

ARECA LUTESCENS.

							Per doz.	Per 100	Per 1000
2-inch pot,	1 plant in pot,	10 to 12	inches high				$1.00	$ 5.00	$15.00
4 " "	3 plants "	15	"				3.00	25.00	
6 " "	3 " "	20 to 22	"				9.00	75.00	
6 " "	3 " "	24 to 26	"				12.00	100.00	
							Each.	Per doz.	
8 " "	3 " "	30 to 36	"				$2.50	$30.00	
10 " "	3 " "	42 to 45	"				5.00		

KENTIA BELMOREANA.

							Per doz.	Per 100	Per 1000
2½-inch pot,	3 to 4 leaves,	8	inches high				$1.50	$12.00	$100.00
3 " "	4 to 5 "	9 to 10	inches high				2.50	20.00	
3 " "	4 to 5 "	10 to 12	"				3.00	25.00	
4 " "	5 to 6 "	15	"				4.50	35.00	
4 " "	5 to 6 "	18	"				6.00	50.00	
							Each.	Per doz.	
6 " "	6 "	24	"				$1.25	$15.00	
6 " "	6 to 7 "	26 to 28	"				1.50	18.00	
8 " "	6 to 7 "	30 to 32	"				3.00	33.00	

KENTIA FORSTERIANA.

							Per doz.	Per 100	Per 1000
2½-inch pot,	4 leaves,	8	inches high				$1.50	$12.00	$100.00
3 " "	4 "	12	"				2.50	20.00	
4 " "	4 to 5 leaves,	15	"				4.50	35.00	
							Each.	Per doz.	
6 " "	5 to 6 "	30	"				$1.25	$15.00	
6 " "	6 "	28 to 32	"				1.50	18.00	
7 " "	6 to 7 "	30 to 36	"				2.00	24.00	
7 " "	6 "	36 to 42	"				2.50	30.00	
8 " "	7 "	42	"				3.00	36.00	

JOSEPH HEACOCK, Wyncote, Pa.

Columbia Tubs

FOR PLANTS AND TREES

Made in 5 sizes of the best of Cypress.

"THE TUB THAT LASTS FOREVER"

Handled by leading Seedsmen and Florists Everywhere.
Get your order in now for Spring trade.

Manufactured by **THE INVALID APPLIANCE CO.,**

150-160 Vedder St., CHICAGO.

EASTER STOCK

BOSTON FERNS.

In pans, grown the way you like them, full, bushy, compact stock, ready for your counter trade.

	Each	Doz.	100
12-inch pans	$4.00	$40.00	
10-inch pans	3.00	30 00	
9-inch pans	2.00	20.00	
8-inch pans	1.50	15.00	
7-inch pans	1.00	10.00	
6-inch pans	.75	8.00	$60.00
5-inch pans	.50	5.00	40.00
4-inch pots		2.50	20.00
3-inch pots		1.50	10.00
2½-inch pots		.60	5 00

ASPARAGUS PLUMOSUS NANUS.

Fine bushy stock in large quantity.

	Doz.	100	1000
5-inch pots	$4.00	$30.00	
4-inch pots	2.00	15.00	
3-inch pots	1.00	8.00	$70.00
2½-inch pots	.60	5.00	40.00

ARAUCARIA EXCELSA. A Big Bargain.

5-inch pots, 18 to 20 inches high, 4 to 6 whorls, each, 75c; dozen, $9 00.

PANDANUS VEITCHII. Very fine colored.

5-inch pots	each,	$1.00
6-inch pots	"	1.50
7-inch pots	"	2.00
8-inch pots	"	2.50

FICUS ELASTICA (Rubber Plant).

7-inch pots, 36 inches high, very fine stock, $9.00 per dozen.

PHŒNIX CANARIENSIS.

Fine bushy plants, 8-inch pots, 36 inches high, each, $2.50; dozen, $24 00.

LATANIA BORBONICA. Fine stock.

5-inch pots	per dozen,	$4 00
6-inch pots	"	5 00
8-inch pots, fine specimens	each,	1.75

KENTIA BELMOREANA.

6-inch, 5 to 6 leaves, 28 to 30 inches high, dozen, $18.00.

KENTIA FORSTERIANA.

7-inch, 5 to 6 leaves, 36 to 40 inches high, each, $2 00. Many other sizes in Kentias. See our Book for Florists.

GENISTAS.

5 and 6-inch pots, fine bushy plants, full of buds and flowers, per dozen, $6.00.

CRIMSON RAMBLER ROSES.

7 and 8-inch pots, in fine shape and flower for Easter sales, $3.00 to $5.00 each.

HYDRANGEAS.

7-inch pots, in bud and flower, bushy stock, per dozen, $8.00.

GERANIUM JEAN VIAUD.

The finest of all geraniums. Handsome bushy plants in 5 inch pots, showing from 2 to 4 flower spikes ..... per dozen, $6 00
3-inch pots ..... per 100. 8.00
2¼-inch pots ..... per 100, 5.00

SPIRÆA

JAPONICA, COMPACTA and GLADSTONE, 6-inch pans, fine bushy stock, will be in flower for Easter, per dozen, $4.00.

RHODODENDRONS

In flower, assorted sizes, in white, pink and lavender colors, $1 50 to $3 00 each, according to size of plant.

ROOTED CARNATION CUTTINGS.

Why not get the Best? They are the Cheapest.

You don't have to buy 200 to have 100 fit to plant out, when planting time comes. For every 100 we send, you have 101 when ready to plant.
We have the finest and largest stock of NORWAY and ESTELLE in the country.
Stock marked (*), now ready in flats. ☞Send us a list of your wants for special prices on large lots.

	Per 100	Per 1000
Flora Hill	$1.75	$15.00
*General Maceo	1.75	15.00
*Mrs. F. Joost	1.75	15.00
*White Cloud	1.75	15.00
*Wm. Scott	1.75	15.00
*America	1.75	15 00
Daybreak	1.75	15 00
Ethel Crocker	1.75	15.00
*G. H. Crane	2.50	20.00
*Triumph	2.00	18.00
Guardian Angel	1.75	15.00
*Genevieve Lord	2.00	15 00
*Marquis	2.00	17.50
*Mrs. G. M. Bradt	2.50	20.00
*Chicago	3.50	30.00
Gold Nugget	3 50	30.00
*Morning Glory	3.00	25 00
Lorna	5.00	40.00
*Mrs. T. W. Lawson	5 00	40.00
Queen Louise	5.00	45 00
*Norway	4.50	40.00
Prosperity	6.00	50.00
*Governor Roosevelt	6.00	50.00
Estelle	6.00	50.00
Dorothy	6.00	50 00
Cresbrook	10.00	75.00
Enquirer	12 00	100.00
Mrs. Potter Palmer	12.00	100.00
Mrs. Higinbotham	12.00	100.00
Mrs. E. A. Nelson	10.00	80.00

CANNAS.

Strong, Dormant, Two Eyed Roots.

	Per 100	Per 1000
Allemania	$3.00	$25.00
Burbank	3.00	25.00
Exp. Cramphell	3.00	25.00
Florence Vaughan	4.00	35.00
Mdlle. Berat	3.00	25.00
Paul Marquant	3.00	25.00
Pres. Carnot	2.50	20.00
Mixed all colors	1.75	10.00

Largest stock in United States of other choice cannas true to name. Write for prices.

GREENHOUSES: WESTERN SPRINGS, ILL.

VAUGHAN'S SEED STORE, 84-86 RANDOLPH ST., CHICAGO. 14 BARCLAY ST., NEW YORK.

100,000 GIANT PANSIES

Best strain, strong plants, all transplanted and grown cool, 50c per 100; $4.00 per 1000. Express prepaid.

ASTERS. Hohenzollern, pure white, delicate rose and red (Roemer's), last year novelty, grandest aster to date. Mammoth size, 7 inches across, double to center, resembling a large Japanese chrysanthemum, unsurpassed for cutting or bedding, plants branching, with strong stems 18 to 20 inches long, 75c per 100; $6.00 per 1000.

Queen of the Market, white, red, pink and mixed.

Florists' Upright Branching, outer petals recurved, center petals incurved, superb cut flower, pure white, daybreak pink, fiery scarlet and lavender.

Late Branching or Semple's, white, rose pink, lavender, red and mixed.

All the above are the best money makers for florists, strong, healthy plants, assorted to suit, 50c per 100; $4.00 per 1000. Express prepaid for cash with order.

DES MOINES PLANT CO.,
38th St., Des Moines, Iowa.

ROOTED CUTTINGS

	Per 100	Per 1000
Coleus	$ .60	$5.00
Geraniums	1.50	12.50
Carnations, 25 varieties, send for list		
Mme Salleroi Geranium	1.25	
Petunia, Mrs. Edwards, best bedding, double	1.50	
Alternanthera, from flats, fall struck, perfect plants	1.00	8.00
Baby Primrose	1.50	

CENTRAL MICHIGAN NURSERY,
KALAMAZOO, MICH.

30,000 BLOOMING PLANTS FOR EASTER. . .

1500 Crimson Ramblers, unique designs, extra fine, $1.00 to $25.00.

1000 Hydrangeas, the finest in the market, $1.00 to $5.00.

10,000 Lilium Longiflorum, 12c per bloom.

2000 Davallian Fern Balls, 75c to $2.00.

Also a large assortment of Hyacinths in pans, $12.00 per doz.

Azaleas, 75c to $10.00 each.

Hybrid Roses, $5.00 per doz. and up.

Genistas, $4.00 to $12.00 per doz.

Spiræas, $4.00 per doz. and up.

Rhododendrons, $1.00 to $5 00 each.

Also a large assortment of Palms and other ornamental plants. Cash with order.

HERMAN C. STEINHOFF,
WEST HOBOKEN, N. J.

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John G. Esler, Sec'y F.H.A.
SADDLE RIVER, N. J.

GERANIUMS.

We have ready for immediate delivery strong, thoroughly established plants from 2 1-4 and 2 1-2 inch pots, according to vigor of variety, in the following kinds:

Mme. Buchner, Countess d'Harcourt, Rene Bazin, Mme. Rozain, Eulalia, $3.50 per 100.

Beaute Poitevine, Mme. Laudry, Richelieu, Mme. Chas. Molin, Mme Barney, Comtesse de Castris, S. A. Nutt, Marvel, Mme. Ph. Labrie, Mme. Desbordes, Valmore, Marie Fournier, $4.00 per 100.

Alphonse Riccard, John Doyle, $4.50 per 100.

Jean Viaud, Mme. Charrotte, $5.00 per 100.

Pasteur, $8.00 per 100.

Le Soliel, $10.00 per 100.

THE COTTAGE GARDENS,
QUEENS, L. I.

Successful Growers are Wanted

To know that they can dispose of all their surplus stock by advertising in the American Florist. TRY IT NOW.

West Hoboken, N. J.

WELL KNOWN GROWER ADOPTS NOVEL BUT SUCCESSFUL MEANS OF OVERCOMING SMOKE NUISANCE.

For a long time E. G. Asmus has been put to much discomfort and no inconsiderable loss by the clouds of smoke belched from the chimneys of the Peerless Rubber Company, of New Durham, N. J., the works being in proximity to the greenhouses. The smoke was not only annoying but clouded the glass, obscured the light and reduced the crops of the houses to a greater or less degree. Mr. Asmus remonstrated ineffectually with the management of the rubber works, being told that there was no feasible remedy for the difficulty. Shortly after, he read of the installation by Bassett & Washburn, at Hinsdale, Ill., of a number of Jones under-feed stokers and of the resulting economy of fuel as well as consumption of smoke. Mr. Asmus posted himself as to these stokers, examining their working upon his recent visit to the west, and again presented the matter to the offenders, but they were still obdurate and he began suit for damages. Now the rubber factory has installed two of the mechanical stokers and the smoke pall is materially lessened. The balance of the battery of nine huge boilers will be equipped as rapidly as possible and then Mr. Asmus can breath freely again. Perhaps his experience may be useful to other florists whose glass is clouded by the smoke from near-by factories.

Toronto.

DECREASED DEMAND BRINGS DECLINE IN PRICES.—GOOD STOCK.—GREENS SCARCE. —VARIOUS NOTES.

The Lenten season has caused a drop in prices and tea roses are now quoted at $10 per hundred. Stock is in elegant shape and that sent to the rose exhibition by Dunlop will certainly be heard from. Bulbous flowers continue plentiful, but keep moving nicely. Asparagus, maidenhair and smilax are exceptionally scarce and very little is in sight for Easter. This cry is heard annually and there would undoubtedly be money in it for one who would go into greens extensively.

A meeting of the executive committee was held at Jay's for the arrangement of the prize list for the fall show, but with only a few changes and additions the schedule remains about the same as last year.

Chas. Tidy, "Ned" Dale and H. G. Dillemuth have gone to attend the rose society meeting at New York. H. G. D.

BARGAINS. READ THIS, FOR HERE IS WHAT YOU WANT AND WE WANT ROOM.

Geraniums, composed of S. A. Nutt, La Pilot, Richard Brett, Frances Perkins, Beaute Poitevine, Dble. Gen. Grant, Bruanti, Ruy Blas, Gloire de France, Centaureau, Alph. Riccard, Margaret de Leyas, Jas. Gaar, Wunder, Granville, La Favorite, Mme. Bruant, and several other varieties in 2¼ in. pots, also Rose Geraniums, and want shifting at once, at $2.50 per 100; $20.00 per 1000. Special prices in lots of 5000 or more. 500 at 1000 rate.

Coleus, in variety, 2¼-in. pots, $1.50 per 100; rooted cuttings, 60c. per 100; $5.00 per 1000.

Verschaffeltii and **Queen,** 70c. per 100; $6.00 per 1000.

Anthemis Shower of Gold, R. C., $1.50 per 10.

Ageratum, in variety, 2¼-in. pots, $2.00 per 100; rooted cuttings, 60c. per 100.

Fuchsias, in variety, 2¼-in pots, $3.00 per 100; rooted cuttings, $1.25 per 100.

Heliotrope, in variety, 2½-in pots, $2.00 per 100; rooted cuttings, $1.00 per 100.

Salvia, in variety, 2½-in. pots, $2.00 per 100; rooted cuttings, 75c. per 100.

Var. Vincas, 2¼-in. pots, $2.00 per 100; rooted cuttings, fine, $1.00 per 100; 4 in. pots, $6.00 per 100

Feverfew, from soil, $1.50 per 100.

English Ivy, from soil, $2.00 per 100.

Cash with the order.

J. E. FELTHOUSEN, Schenectady, N. Y.

We Have Everything

YOU WILL NEED IN THE LINE OF FLORISTS'

REQUISITES FOR EASTER

Including the very popular and wonderfully effective **Porto Rican Matting** for pot wrappings and the useful **Water Proof Crepe Paper.** Also Baskets, Hampers, Ribbons, Unrivalled Wheat Sheaves, Cords, Tassels and all the staple articles of an up-to-date stock. Write now, there's a big Easter coming.

H. Bayersdorfer & Co.

50-56 N. Fourth St., PHILADELPHIA.

"EUREKA" WEED KILLER.

A SOLUBLE POWDER.
NO LEAKAGE or DANGER.
EASILY APPLIED.

Positively clears all paths and drives of weeds without disturbing the gravel; lasting effects.

$1.00 Tin Sufficient for 100 Square Yards.

VAUGHAN'S SEED STORE, Sole Agents for the U. S and Canada. 84-86 Randolph St., CHICAGO. 14 Barclay Street, NEW YORK.

Cheapest and Best Flower Stakes ever Offered

HARD WOOD FLOWER STAKES

	3 Ft.	3½ Ft.	4 Ft.	
Plain	$2 00	$2 25	$2 50	Per THOUSAND
Plain Creosoted End	2 25	2 50	2 75	not
Green Creosoted End	3 00	3 25	3 50	Per HUNDRED.

LOUIS A. SHARE, Manufacturer, 1918 BARTH AVE., INDIANAPOLIS, IND.

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GERANIUM NOVELTIES: **Thos. Meehan,** semi-double dark pink; **Levi P. Morton,** semi-double maroon; **Dutchess of Orleans,** single oriole; **Ernest Kellway,** semi-double crimson; **J. J. Harrison,** semi-double scarlet, and **Snow Drift,** semi-double white; all winners. Extra strong rooted cuttings, $2.00 per 100; $20.00 per 1000.

STANDARDS: S. A. Nutt, E. G. Hill, Beaute Poitevine, Frances Perkins, Alphonse Riccard, Mme. Bruant, Mme. Jaulin, Athlete, La Favorite, J. M. Gaar, extra strong rooted cuttings, $1.75 per 100; $16.00 per 1000.

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He has a battery of FIVE OF THE VERY LATEST STYLE MERGENTHALERS, has all the up-to-date faces and can guarantee you perfect satisfaction. His plant runs NIGHT AND DAY, and your order is assured PROMPTNESS IN DELIVERY.

San Francisco.

SEVERE WIND BRINGS LOSS TO LEADING GROWERS.—TRADE SHOWS DECREASE.—A CHANGE IN FIRM.—LILIES BADLY DISEASED.—VARIOUS NOTES.

San Francisco and vicinity has again been visited by heavy wind storms accompanied by rains, flooding the lands and playing havoc among the growers of cut flowers, pulling off ventilators, leveling poorly constructed houses and breaking glass in every direction. Among the heavy losers are Schwerin Bros., at whose place ventilators were torn off and thrown into other houses. Bunean's fifty-foot smokestack was blown into a rose house. McLellan, of Burlingame, lost considerable glass, broken through pressure of wind. J. Jacquemet lost one large house and his wind mill was damaged. Grallert & Company, Colma, lost ventilators and others sustained more or less damage.

F. Baalhorn, of Nebraska, has bought a half interest in the Richmond Nursery, formerly conducted by Henry J. Kessell, and the new firm will be Kessell & Baalhorn. They are adding four new three-quarter span houses 16x120 feet which will be devoted to fern growing. The whole will be heated by hot water.

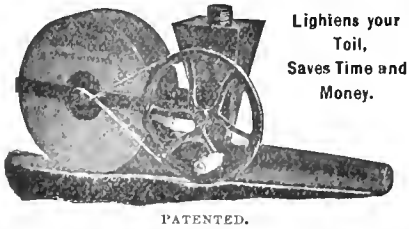
Lilies for Easter will be very scarce owing to considerable poor stock. Two out of three is the loss with almost all growers of lilies and the Japanese bulbs are the worst of all. The prices of the best lilies in pots will surely be $1 to $1.50 a plant and cut flowers $5 to $10 per dozen stalks.

Business has been not quite so good recently and prices are taking a downward course. Freesias and violets are sold for anything they will bring. Carnations also fell somewhat but are still in fair demand. Roses are steady and the same may be said of tulips and lily of the valley.

A great many elaborate funeral pieces for the late J. A. Fillmore were made by Sievers & Boland, Pelicano & Company, the Shanahan Floral Company and Podesta & Company, leading florists of San Francisco. GOLDEN GATE.

The Peerless Powder Blower

Every Grower Should Have One.



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"We are much pleased with your Powder Blower."—John N. May, Summit, N. J.

"Can sulphur a house 20x100 feet in less than three minutes."—Chas. Schweigert, Niles Center, Ill.

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"Best thing we ever had to apply sulphur in greenhouses."—Geo. Wittbold, Chicago.

If your seedsman does not handle it, order direct.

Price, $4.00 F. O. B. Chicago.

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"THE BEST"

Adjustable Plant Stands.

This is one of the most useful contrivances a Florist can have, not only for decorating but for permanent conservatory and greenhouse use.

The special merits of this stand may be briefly enumerated as follows The three feet cause it to stand firmly on a carpet or uneven floor. The upright is of three parts telescoped being easily adjusted to various heights, fastened by means of thumb screws which are well made. The top flange will hold any ordinary pot upright, or by using the four-pronged crotch attachment, a pot can be placed on its side at two different angles, a very useful contrivance for temporary decoration.

Where large plants weighing two or three hundred pounds are to be elevated, three stands placed close together carry them safely, although the floor itself may be uneven. While possessing a number of advantages over any other stand in the market the price is lower.

1 Stand, $1.50; 3 Stands, $4.00; 6 Stands, $7.50; 12 Stands, $14.00

If your dealer does not keep them in stock order of

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Read Our 30 Days Special Offer Below.

This Machine will Whitewash Buildings, Walls, Barns, Poultry Houses, doing it far better, saving ¾ the time over the old method of using brush. Will Whitewash Buildings, or Spray Trees any height by using extra hose and extension rod to elevate Spray. Endorsed and used by hundreds of noted Breeders. It is used and endorsed by Sid Conger, Shelbyville, Ind.; C. R. Fishel, Hope, Ind.; Meadowbrook Poultry Farm, Dallas, Pa.; G. W. Brown, Camden, Ark.; A. G. Duston, Marlboro, Mass.; Texas State Fair Ass'n, Dallas, Texas. W. B. Dean, Secretary of State Board of Agriculture, Yankton, S. Dak., says: "We gave all State Fair Buildings two coats with your machine. It is a complete success and a great labor saver." In order to get them introduced in every locality, we will allow freight to your station, for the

NEXT SIXTY DAYS ONLY,

at the following net cash prices: No. 6.—Eight Gallon Heavy Galvanized Steel, complete as shown in cut with 10 feet of ¾ inch hose and one 8-foot bamboo extension rod and brass cylinder pump with agitator, $12.00. No. 7.—Sixteen Gallon size, $15.00. Terms cash with order, or we will ship C. O. D., if $3.00 accompanies order. Take advantage of our Special Offer. Send 5c in stamps for a copy of our 1902 Sprayer and Breeders' Supply Catalog.

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WE WANT YOU

TO BUY ONE

STEEL SWING

AT WHOLESALE

and then take Agency. One sold 36 1st year, another 30, and so on. Set it up in your yard and people will buy. Every part a spring, 3 seats (1 for baby), or foot rest. Noiseless. Adjustable canopy. Beautiful enamel colors.

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The most convenient way of applying an insecticide ever yet devised. No pans required—No heating of irons—No trouble—Cannot injure the most sensitive blooms—Very effective. Price 60¢ per box of 12 rolls. *All dealers sell it!*

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Reach all the Trade.

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USE
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Clean and harmless as **Fumigant** or **Spray**. Ask your seedsman for it or write to

The Tobacco Warehousing and Trading Co.,
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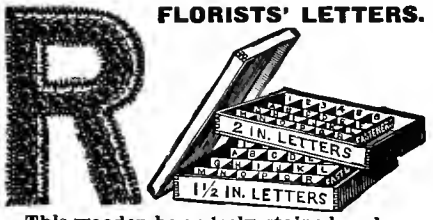
MANUFACTURERS OF
FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1½ or 2-inch size, per 100, $2.00.
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WIRE · FLOWER · STAKES.
....ANY LENGTH OR SIZE DESIRED....
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WRITE US. LOWEST PRICES.

ESTABLISHED 1866 **EMIL STEFFENS** SUCC.TO N. STEFFENS AND STEFFENS BROS
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"BLACK DEATH" (POWDER) TO EAT THEREOF IS TO DIE.
BUG KILLER and FERTILIZER. Three years of unprecedented success wherever introduced all over the United States has proved "BLACK DEATH" to be a cheap and absolute annihilator of all insects, bugs or beetles that prey on vegetation, foliage and flowers. See what Peter Reinberg said in this paper, Feb. 8. Other strong indorsements sent on receipt of postal card.
Western Sales Agency, 235 Franklin St., Chicago.
HANDLED BY SEEDSMEN. S. D. STRYKER, Agent.

GROUND MOLES... HOW TO CATCH THEM.

After 40 years gardening I three years ago discovered how to catch moles without traps, poison or loss of time. I catch every one that comes on my place. If you have moles in your garden, lawn, park or cemetery for **One Dollar** I will mail you instructions how to catch every last one of them.

E. McNALLY, Florist and Gardener, **Anchorage, Ky.**

PURE SHEEP MANURE
In natural state makes the best **LIQUID** fertilizer. $1.00 per bbl., f. o. b cars, Kirkland, Ill. Write for prices on car load lots; also on **Dried, Unpulverized and Pulverized.**
MONTANA FERTILIZER CO., Elgin, Ill.

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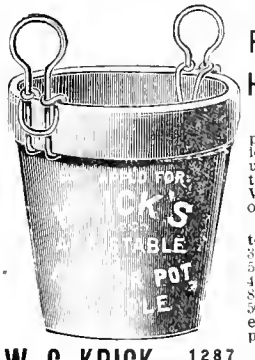
For Easter
WHEN YOU ARE CROWDED FOR ROOM USE
THE
Perfect Flower Pot Handle and Hanger



is used for lifting plants out of jardinieres, also for hanging up plants for decorations on walls, etc. Will sustain a weight of 100 lbs.

No. 1 will fit from 2 to 5-inch pots, per doz. 30c; No. 2 will fit from 5 to 8-in. pots, per doz. 40c; No. 3 will fit from 8 to 12-in. pots, per doz. 50c. Postage 10 cents extra per dozen; sample pair 10c. postpaid.

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Columbus, O.

GOOD WINDOW DECORATIONS BELIEVED A PROFITABLE INVESTMENT.—GRUMPF HAS GOOD SEEDLING.—NOTES OF DOINGS OF VARIOUS GROWERS.

A run over to Logan and a call on H. Grumpf revealed the fact that there is a good seedling carnation largely grown by this old timer and never introduced. It is of the Scott type but is said to be a better grower and more profuse bloomer. Mr. Grumpf's place looks fine, as does that of his friendly opponent, Mr. Voris, who is growing carnations, principally. Mr. Voris shifts his carnations to a 3-inch pot before planting out.

The store windows on High street, those of E. M. Krauss, J. R. Hellenthal, C. A. Roth and the Livingston Seed Company, with their decorations of azaleas and bulbous stock, are fine at this season of the year. They all take pride in making a show and are also convinced that a well decorated window is a profitable investment.

Howard Affleck has returned from a trip to Richmond and other points of interest, taking notes and getting some new stock for next season. This firm is now growing nothing except roses, but contemplates taking up the carnation again, growing fancy varieties.

It is generally predicted that bedding stock will be in better shape for spring planting this season, as Easter comes so early, giving the growers plenty of time after the Easter rush to look after spring stock.

Gravett & Son, of Lancaster, are still having a fine cut of carnations, doing White Cloud exceptionally well. While the Gravetts do a snug wholesale business, they also have a large retail trade.

CARL.

HUBBARD, O.—Judge Gillmer has made an order allowing E. C. Gething, assignee, to sell the effects of Hood & Cox, florists, for two-thirds the appraised value, which will more than cover the firm's indebtedness.

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The Largest Manufacturers of these Goods in America.
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Standard Pots
which for strength and porosity combined are the best on the market.

NOTICE TO FLORISTS.
If you are looking for
RED POTS
We have them. Write for prices. Can ship on three direct Railroads.
COLESBURG POTTERY CO., Colesburg, Ia.

Awarded the only first-class Certificate of Merit by the Society of American Florists at Boston Aug. 21, 1890, for Standard Flower Pots.

Traveling Representative,
U. CUTLER RYERSON,
108 Third Ave. Newark, N.J.

STANDARD FLOWER POTS!
Packed in small crates, easy to handle.

Pots	Price per crate		Pots	Price per crate	
1500	2-in., in crate,	$4.88	120	7-in., in crate,	$4.20
1500	2¼ "	5.25	60	8 "	3.00
1500	2½ "	6.00	48	9 "	3.60
1000	3 "	5.00	48	10 "	4.80
800	3½ "	5.80	24	11 "	3.60
500	4 "	4.50	24	12 "	4.80
320	5 "	4 51	12	14 "	4.80
144	6 "	3.16	6	16 "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers. Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.
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OR ... FORT EDWARD, N. Y.
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NEPONSET PAPER Flower Pots.
LIGHT, COMPACT, UNBREAKABLE, UNEQUALLED.
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Before buying write for prices.
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SAMPLE POT AND PRICE LIST ON APPLICATION.
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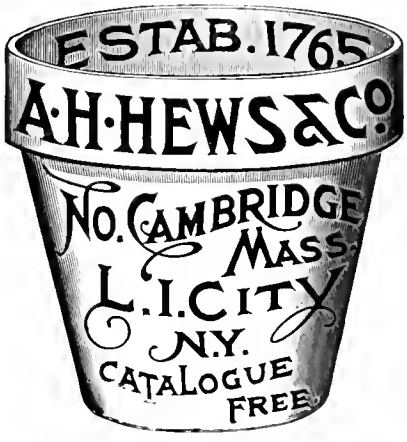
are right you can make a profit on an advertisement here.



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Carefully Packed in Small Crates. Easy to Handle.
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FLOWER POTS
ALL KINDS.
STANDARD POTS A SPECIALTY
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Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.

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"STANDARDS"
FULL SIZE AND WIDE BOTTOMS.
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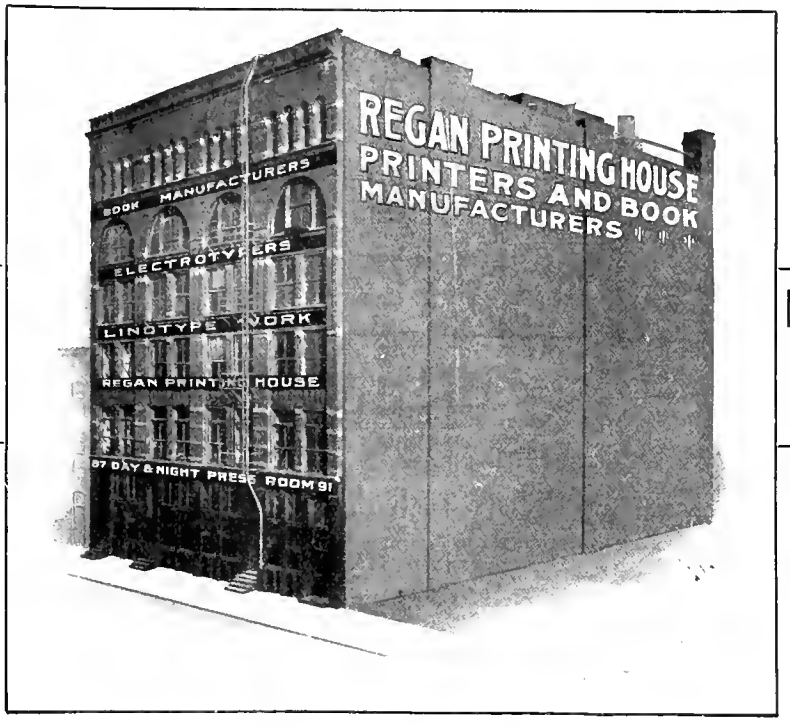

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Worcester, Mass.

CONDITIONS FAVORABLE FOR EASTER BUSINESS.—STOCK SHOWING THE EFFECT OF FINE WEATHER.—VARIOUS ITEMS.

The weather is generally warm and bright and just what we need to get Easter stock into condition. From present indications lilies will not be very plentiful this year. The daily receipts of flowers are also showing the effect of plenty of sunshine, both in the increased quantity and improved quality. Although there has been nothing of especial interest to record since Lent commenced, trade has held up fairly well and stock keeps moving in a gratifying manner. Bulbous stock, which usually starts to pile up at this time of the year, is not being brought to town in overwhelming quantity, many of the growers having materially reduced their bulb orders. General stock was never better, the quality of roses, carnations, violets and valley being especially fine. Lange is cutting some fine snapdragons which are very popular with flower buyers on account of their keeping qualities and its delicate fragrance. A. H. L.

Riverton, N. J.

DREER CORPORATION TO BUILD BIG RANGE OF NEW STYLE HOUSES.—TWELVE STRUCTURES WITHOUT PARTITION.

The Henry A. Dreer Company has placed an order for a large addition, covering 25,000 square feet of ground, to their already extensive plant. The style of house adopted is the Dietsch patent short-roof construction and the material is to be turned out and shipped east by A. Dietsch & Company, of Chicago. One of the principal errands which took Mr. Eisele west recently was to take a look at this new style of construction. He visited Michael Winandy, at Rogers Park, Chicago, who has the only range of these houses which have had a practical test, and was well pleased with the style of construction, providing, as it does, for the most complete ventilation, at the same time doing away with the high peak of the wide houses.

The addition which Mr. Eisele has decided upon will consist of twelve of the two-bench houses, each 150 feet long. They will be built without partition walls and it will be practically one large house, the gutters being supported on iron posts and raised well above the benches.

LOWELL, MASS.—We are in receipt of a photograph showing handsome and well grown seedling cyclamen in 7-inch pot, but unfortunately the picture was so badly damaged in transit as to be unfit for reproduction. The plant was grown by Frank Sladen, gardener to Geo. W. Fifield.

"Fumigation Methods"

BY PROF. JOHNSON.

Every Grower needs this book..... Price $1.00

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321 Dearborn Street, ...CHICAGO.

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Greenhouse Glass.
LET US ESTIMATE ON YOUR REQUIREMENTS. . . .
205 Randolph St., CHICAGO.

ANNOUNCEMENT.

Having purchased the machinery and material of the Henry W. Gibbons Co., we shall continue the business started by them, adding more machinery and increasing our facilities. Our descriptive circular will be ready about April 1st, and will contain valuable information for every florist. Our aim is to plan and build greenhouses that will be durable, practical and at a low cost. We have something new to offer. Send for our circular if you are going to build.

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"Chemicals"
for making LIQUID COMPOST.
Dry powders all soluble in water. Composts cost less than ½c per gal. Correspondence invited.
EASTERN CHEMICAL COMPANY,
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LABELS. The Best and Cheapest EVERLASTING METAL LABEL made. Don't send out your trees, shrubs, etc., without being properly named. Price quoted and samples on application. Plain labels 40c per 100; $2.00 per 1000, including steel marker.
WILLIS G. YOUNG, 323 Brown St., Dayton, O.

Fresh Tobacco Stems.
Bales of 300 pounds, $1.50.
CASH WITH ORDER.
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FOR SALE.
VALUABLE IRON GUTTER PATENTS

I hereby offer for sale the Patents covering my Wrought Iron Gutter; also the Patents covering the Gutter advertised in last week's edition of the AMERICAN FLORIST, Florists' Exchange, and the Florists' Review, by Geo. M. Garland.

The increased business of the Standard Ventilating Machine demands my whole attention to its manufacture. But, as in the past I will give the gutter business its fullest share of attention until the patents are sold. Yours truly,

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GOOD HOSE.
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NEXT SEASON'S BUSINESS

can be started now by advertising in this journal. Don't delay in commencing next summer's business. The best orders are placed early with advertisers in THE AMERICAN FLORIST

TRY THIS PLAN.

A BUNCH OF AMERICAN BEAUTIES.

WE make CYPRESS Greenhouse MATERIAL

For Houses in which to grow AMERICAN BEAUTIES of Another Kind.

Send for our new Catalogue.

Our Material is Thoroughly Air Dried, and Absolutely Free of Sap.

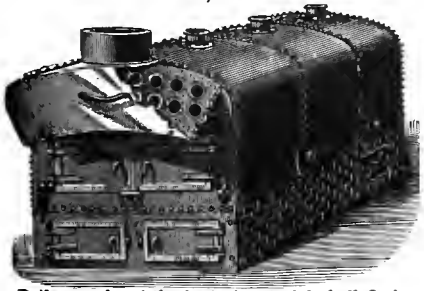
Louisiana Red Cypress.

If you will send us the particulars of what you want, we will send you sketches and estimates, and if we get your order, will furnish working plans and details for construction. Let us give you our prices, you will find them right.

Office, 471 West 22nd Street.
Factory and Lumber Yard, 474-498 West 21st Place.

Foley Manufacturing Co.
Chicago, Ill.

KROESCHELL BROS. CO.
IMPROVED
Greenhouse Boiler,
45 Erie St., CHICAGO.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

GREENHOUSES.
MATERIAL FURNISHED AND MEN TO SUPERINTEND ERECTION IF DESIRED.
CYPRESS SASH BARS
ANY LENGTH UP TO 32 FT. OR LONGER.
THE A. T. Stearns Lumber Co.,
NEPONSET, BOSTON, MASS.

GET OUR PRICES ON GLASS AT WHOLESALE.

Clear Gulf Cypress
GREENHOUSE MATERIAL.
Hot-Bed and Ventilator Sash.
S. JACOBS & SONS, Manufacturers and Greenhouse Builders,
1365 to 1373 Flushing Avenue,
Estimates Cheerfully Furnished. BROOKLYN, N. Y.

FRUIT AND FLOWER PLATES
Seed Packets and Supplies of all kinds for NURSERYMEN, FLORISTS and SEEDSMEN
SEND FOR PRICE LIST.
Stock Cuts, 10c per square inch. Engraving by all processes. Printing and Lithographing. Illustrated Catalogues a specialty.
VREDENBURG & CO., Rochester, N. Y.

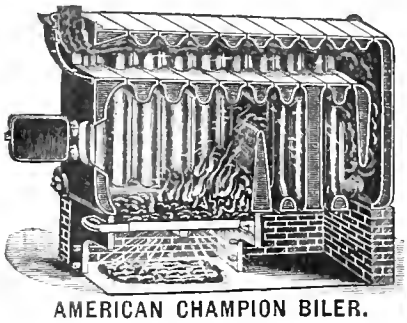
KIFT'S Patent Adjustable Vase Holders
No. 1.—Brass, nickel, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) $2.25. Price complete (with green or white cornucopia vases) $2.50. No. 2.—Heavy 4 ft. rod brassed and nickeled, with three clasps for 5 to 6-inch pots, each, $1.75.
Kift's patent rubber capped FLOWER TUBES, 1½-inch diameter, per 100, $3.50.
JOSEPH KIFT & SON, 1725 Chestnut St., Phila., Pa.

GALVANIZED WIRE—AT BARGAIN PRICES.
Fifty car loads of new galvanized wire, in short lengths. Never was used. Comes from 6 to 1[illegible] gauge. Put up 100 lbs. to a coil and only one size wire to each bundle.
Prices range from $1.40 to $1.90 per 100 pounds.
Our Free Catalogue No. 47 for the asking. We handle all kinds of supplies from Sheriff's and Receiver's Sale.

Chicago House Wrecking Co.
West 35th and Iron Sts., Chicago.

The Horticultural Trade Journal
THE LARGEST, BRIGHTEST AND BEST
Horticultural Trade paper in the British Isles. It contains MORE ADVERTISEMENTS, MORE ILLUSTRATIONS and MORE NEWS than any of its contemporaries. Read by the whole of the British trade and all the best European houses every week. Annual subscription, 75 cents. Specimen copy post free. Published weekly.
Horticultural Trade Journal Co., Padiham, Lancs., Eng.

American Florist Ads. always do business,
Every day in the week, all over the country,
At Home and Abroad.



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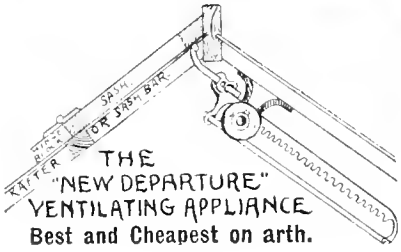


MI PICTER.

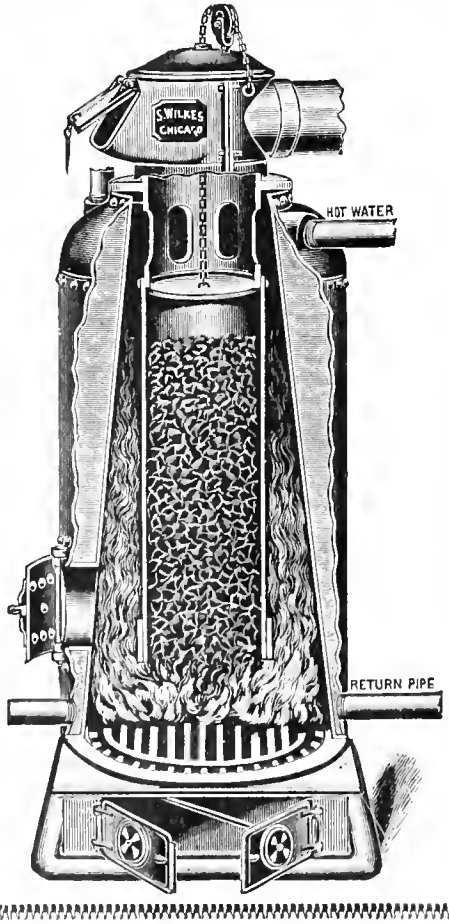
THE EVERLASTIN HINGE.

Hi dideldidel Ile tune mi fiddle
and play you a song of spring
robbins are Robbin an flies are flying
while we hear the jay Bird Sing.
Dread winter is dead, Jack frost has fled
and happy are we today.
so bring out the plow we'le start it now
With a song so merry and gay.

An now we hev got the Boys tew work you Florists hed better look over the greenhouses an see wat you need in the line uv **BILERS** an **HINGES** an **VENTILATIN KONTRAPSHINS,** an dont make the mistak uv byin sum old stile thing kaws it is wat yer father used, when you kin get sumthing new thats better fur less muny. Send tew me fur a Kat-a-log Wat tels awl about em.

Mi name iz **J. D. CARMODY,**

an i live in **EVANSVILLE, IND.,** whitch iz **klose to Pozey Kounty.**



Wilks Heaters

....BEST FOR....

Small Greenhouses, Etc.
Self-Feeding Magazine.
Simple, Strong, Durable.

EXPANSION TANKS.

Send for Catalog.

S. Wilks Mfg. Co.

53 S. Clinton Street, CHICAGO, ILL.

ESTABLISHED 1868. INCORPORATED 1894.

John C. Moninger Co.

All Heart Cypress Greenhouse Construction Lumber.

Our material is **guaranteed** to be **strictly first-class, absolutely free** of **sap** and defects.

We carry constantly a large and complete stock of open-air dried lumber. This with our unexcelled facilities for manufacturing enables us to make prompt shipments.

On **Hot Bed Sash,** we are **Leaders.** Our Sash are strong and well made, tenons are White Leaded.

Standard Sizes carried in stock.

Our long experience, large and extensive trade places us in a position to furnish **strictly up-to-date material.**

If you contemplate building it will pay you to get our plans and estimates.

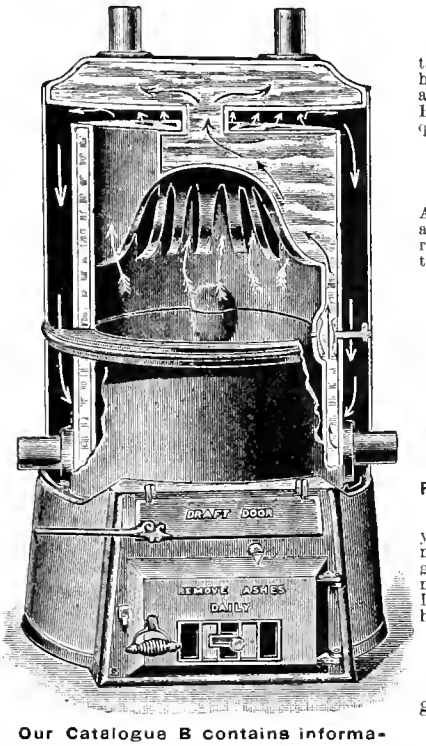
OUR RECORD FOR 1901.—Material Furnished for over 1,200,000 Square Feet of Glass.

SELLING AGENTS FOR GARLAND GUTTER.

Office, 111 E. Blackhawk St.
Factory, 412-422 Hawthorne St.
Lumber Yard, 31-41 Smith Ave.

John C. Moninger & Co.
CHICAGO, ILL.

High Grade Heaters



Our Catalogue B contains information valuable to Floriste and will be sent with prices on application.

(ALL CAST IRON.)

In our **STANDARD BOILERS** the castings containing water have numerous shallow chambers that hang over the fire and immediately receive all heat and allow none to pass wasted to the chimney. The Boiler contains only three cored castings and is quickly erected.

NO WATER CASTINGS

Are exposed to outside air, but protected by cast iron asbestos lined casing which effectually prevents the radiation of the heat and causes the water chambers to be entirely surrounded by the heat.

SIMPLICITY OF OPERATION

WITH ENORMOUS EFFICIENCY IS THE CLAIM WE MAKE FOR THIS BOILER.

P. B. MAGRANE, Florist, Lynn, Mass., says:

"Your Standard Hot Water Boiler No. 32 is all that you recommend it to be. It does the work for me nicely that other boilers have failed to do. It heats a greenhouse 80x18 and also a large two-story barn and makes them quite comfortable in the coldest weather. I highly recommend it to any one as a first-class heater both from point of efficiency and economy."

We make a special price on the first Boiler going to a place where we have none in use.

GIBLIN & CO., UTICA, N. Y.

Camden, N. J.

BRIGHT OUTLOOK FOR EASTER BUSINESS.—BULBOUS STOCK AND GOOD PLANTS IN EVIDENCE.

The prospects for a good Easter trade are very flattering. The growers in this vicinity are doing their utmost to make the festival a success. The severe and inclement weather has handicapped outdoor trimming and lifting bulbs. The violent wind storm has made sad havoc of the trees in the parks and lawns hereabouts. The job was done in a very short time, but not as æsthetic and shapely as if done by pruning hook and saw. Modesty stood aghast in beholding the nude appearance of the trees in their tattered undress.

Hyacinths, tulips, narcissi, spiræas and cinerarias are in evidence at fair prices. There is quite an inquiry for violets, but wanted at fakirs' prices.

Two notable funerals recently required large quantities of funeral flowers.

Indications point to the extinction of the Harrisii lily at an early date.

C. W. T.

Springfield, Mass.

DARK WEATHER CUTS DOWN SUPPLIES.—PLANTS IN GOOD SHAPE FOR EASTER.

The weather has been very cloudy these two weeks, and from reports lilies, roses and carnations are going to be scarce for Easter. Potted azaleas, lilacs, spiræas, Ramblers, hyacinths and rhododendrons will be enough to supply the demand. Business is good, there being a good call for cut flowers of all kinds. Design work is quite brisk, quite a number being shipped to outside points. Violets are plentiful and good. A few single violets are to be seen and sell on sight.

W. Wilkinson, who has been engaged with L. D. Robinson, has gone to take charge of R. W. Day's private place in Agawan. J. Brundrett resigning to take charge of a place in Westerly, R. I.

A. B.

CYPRESS

Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.

Ormsby Ventilating Apparatus

Under Ormsby Patent 11639.

For Greenhouses, Monitor Roofs, etc. It is the lightest, strongest, neatest, quickest and most effective device ever put upon the market. Manufactured and for sale by

M. D. VAUGHN,
Office, 413 Atlantic Ave., Boston, Mass.

The Highest award at the New York Carnation Show was given to a man who has forty-three (43) of our AUTOMATIC VENTILATORS

OUR VENTILATORS

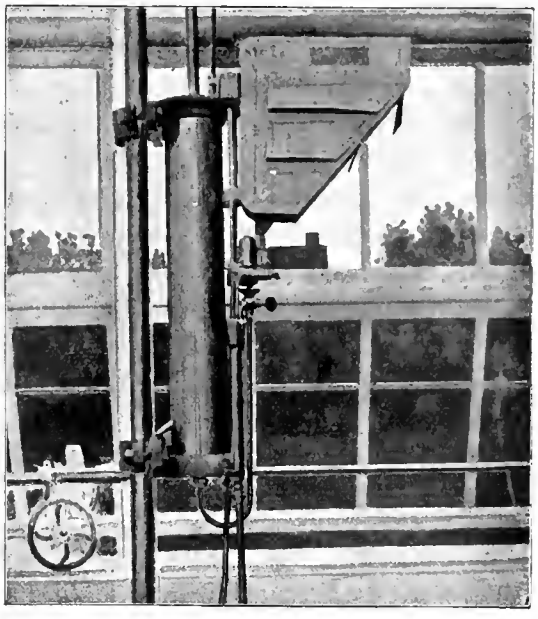
are at work in the Central Park Conservatories.

Prevents Mildew

Operates to perfection in catchy weather.

Commercial growers use them largely.

The Automatic Ventilator does its own thinking.



Saves all labor.

Improves the growth of plants.

Especially good for Roses.

Will last a lifetime and soon pay for themselves.

The Automatic Ventilator ventilates as necessity requires.

The Chadborn Patent Automatic Ventilator

For Greenhouses, and also Temperature Regulator for Radiators.

One of our Washington, D. C., patrons says, under date of Jan. 8, 1902, "I have the finest carnations in Washington." They are equally good for roses.

MANUFACTURED BY

THE CHADBORN MFG. CO.

Broadway and High St., Newburg, N. Y.

Our Illustrated Catalogue, Prices, Etc., is yours for the asking.

WE VENTILATED THE NORTH CONSERVATORY AT THE PAN-AMERICAN EXPOSITION AND TOOK THE GOLD MEDAL

LUMBER and MATERIAL FROM THE BUFFALO EXPOSITION.

We purchased the buildings and property formerly owned by the exposition and now offer for sale 33,000,000 feet of fine seasoned lumber. Thousands of Sash, Windows and Doors, Engines, Boilers, Pumps and Machinery in general. Mile upon mile of Iron Pipe, Electrical apparatus of various kinds. Fire Apparatus, Iron Beams, Trusses, Columns, Benches, Builders' Hardware and thousands of other items too numerous to mention. All of the above will be included in our Exposition Catalogue, mailed on application. OUR PRICES WILL ASTONISH YOU

CHICAGO HOUSE WRECKING CO., Pan-American Dept. No. 76, BUFFALO, N. Y.

D. O. Cunningham Glass Co.,

PITTSBURG, PA.

Tank Window Glass.

Hot-House Glass A Specialty.

Please mention the American Florist when writing.

The Standard

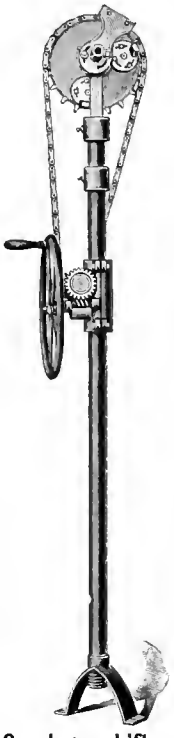
The lightest running, most rapid and powerful ventilating machinery in the market.

Duplex Gutters,

Made of wrought or cast iron with self adjusting sash bar clips. The only Drip Proof Metal Gutter offered to the Public. Send for my catalogue free.

E. Hippard,
Youngstown, O.

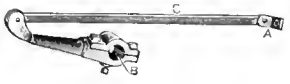
Please mention the American Florist when writing



Our Large Lifter, for heavy duty.

Our Challenge Roller Bearing Apparatus complete on a greenhouse.

Our Little Giant Lifter for small houses.



Our Adjustable Arm.

Our No. 3 Hanger.

--The--
Evans Improved
Challenge
Roller Bearing
Ventilating
Apparatus.

WRITE FOR CATALOGUE.

MANUFACTURED BY **QUAKER CITY MACHINE CO., Richmond, Ind.**

TESTIMONIALS OF NINETY-SEVEN LEADING GROWERS SHOW THAT

THE GARLAND IRON GUTTERS

CONTAIN ALL THE VALUABLE POINTS OF MERIT CLAIMED FOR THEM.

90,000 FEET Have been put to practical test since I first advocated their use as an economizer. I am not offering to the public an article based on theoretical ideas; neither do I aim to duplicate sham gutters which are gotten up for the purpose of getting your money without value received, but I can show houses which have been up 13 years, and anyone who is inclined to persuasion by theoretical argument, as is set forth by people who would mislead them, should investigate more fully. Owing to the increased demand for my gutter and cast iron posts I have enlarged my foundry so that I will be able to fill orders promptly. My gutter is fully protected by patents, and if you buy the original, complications cannot arise.

GEO. M. GARLAND,

PATENTEE AND MANUFACTURER. DESPLAINES, ILL.

J. C. MONINGER CO., CHICAGO, SELLING AGENTS.

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Good Today! Good Always!

The WEATHERED BOILER

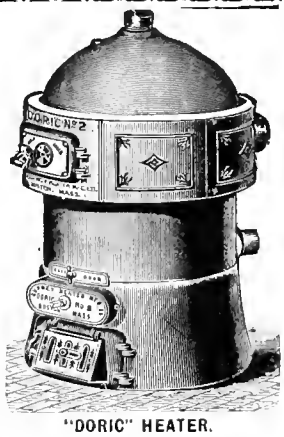
and the principles on which it is constructed have stood the test of years. If you want a reliable heater, there are none as good as the WEATHERED. Endorsed by hundreds of Florists. Send for descriptive list.

Thos. W. Weathered's Sons,
46 MARION ST., NEW YORK CITY.

Holds Glass Firmly
See the Point of PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER, 714 Chestnut St., Phila., Pa.
FULL SIZE No 2

GLASS
AND GULF
CYPRESS MATERIAL
HOTBED SASH.
Catalogues and estimates furnished.
S. JACOBS & SONS,
1365-1373 Flushing Ave., Brooklyn, N. Y.

WROUGHT IRON PIPE
Good condition, used short time only; new threads and couplings; for Steam, Gas or Water; sizes from ½ to 12 inch diameter. Our price per foot on ¾ inch is 3c; on 1 inch 3½c. Write for free catalogue No. 47.
CHICAGO HOUSE WRECKING CO.,
W. 35th and Iron Sts., CHICAGO.



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Crops Grown With
"Gurney" Heaters
cost less than other crops because "Gurney" Heaters wear longer than others, besides returning the maximum of heat from the fuel consumed. How can you expect to compete with those who grow crops cheaper than you do? There's just one way to do it: PUT IN A "GURNEY" HEATER. Send for latest catalogue right away.
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111 FIFTH AVE., NEW YORK CITY.
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COR. CLINTON and RANDOLPH STS. CHICAGO.
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OUR SPECIALTY.
LARGE STOCK PROMPT SHIPMENT.
ALSO MANUFACTURERS OF Pure Linseed Oil Putty, Paints, Brushes Etc.
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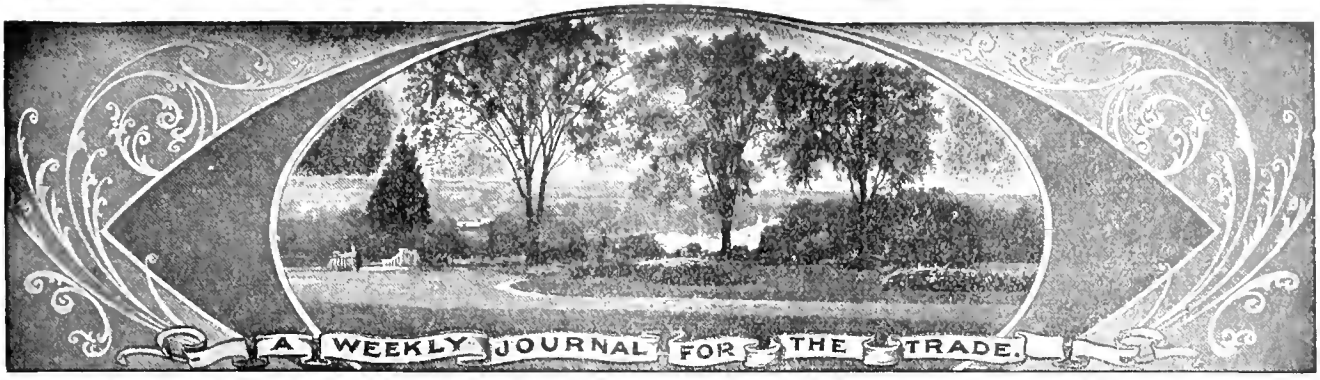
THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

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THE AMERICAN FLORIST

SEVENTEENTH YEAR.

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Annual meeting at Asheville, N. C., August, 1902. Edwin Lonsdale, Chestnut Hill, Pa., Sec'y.

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The Easter Lily Trouble.

C. H. RONEY, JAMESTOWN, N. Y.

In regard to the lily troubles complained of in Philadelphia, we find it general through the country this season, of Japan longiflorum. We concur in what Mr. Michell says, that in the great eagerness of most growers to have lilies early lies a good deal of their trouble. We have noticed in the past two years that the "Japs" have not allowed the bulbs to mature and ripen properly. It can be readily traced to a small stem that still remains in the bulb when received and shows it has been cut out with some sharp instrument and that the bulbs do not have that bright golden yellow appearance that a well ripened bulb will have. I have found that all bulbs that have made a start, being bought a few weeks later, have all done well and produced good plants and well developed flowers. The bulbs with no vitality we have thrown away after we find they do not start, in a week or two after potting. If our growers will be satisfied with December for delivery of Japanese stock and not hurry shipment and give the bulbs time to properly ripen I think the loss would be reduced to a minimum. I have always insisted on getting my bulbs on the last shipment, but confess I do not know whether this has always been done, but I do know that the later bulbs will outgrow the earlier shipments and that there is no trouble in getting them in for Easter even when this festival is at its earliest date.

A. N. PIERSON, CROMWELL, CONN.

I have read the article on "Lily Troubles in Philadelphia" and find that the experiences of those whom it quotes hamonize fully with my own. I bought about 42,000 Japan longiflorum bulbs and, while I do not find many diseased ones among them, I do find a mixture of several varieties, each requiring a different temperature to bring it into bloom at the same time as the others. But this is not the worst of it. Between twenty-five and thirty per cent of the lilies have to be thrown out after growing them about two months because of their inferior quality. They are curled up and twisted and the sooner they are discovered and destroyed the better it is for the rest. They are utterly worthless, for even if you allowed them to bloom, the flower would be as imperfect as the stem, and of course unsalable. This defect cannot be laid to any one importer, as I bought my bulbs from several of the leading houses in this country, with exactly the same result. Those bought for multiflora were mixed in the same way.

The same is true of the Bermuda lilies of late years. Last year I bought 37,000 Harrisii. These were potted and grown until about eight inches high. Then enought of them were planted out to fill two houses. It was expected that they would be in bloom, one house for Thanksgiving and the other for Christmas. We did cut some at these times and have been cutting from these two houses ever since. About one-third have not flowered yet and I am confident will not be in bloom by Memorial day, although all have been treated exactly alike. A good many of these bulbs are mixed Japan longiflorum, that have probably spent one or two seasons in Bermuda and then been newly christened Harrisii.

A few years ago I bedded out lilies in this way and had the whole house in perfect bloom at one time. But after my experience this year I shall not bed any more Harrisii lilies. If there is any truth in the old saying that "Misery loves company," it may be comforting to our Philadelphia friends to know that the "lily troubles" are not confined to their city alone.

ANTON THEN, CHICAGO, ILL.

My longiflorum lilies this season started good and strong. I thought I would have the best lilies this time, but in four to six weeks after we brought them into the house about one-third commenced to curl up, and we began to work with the wheelbarrow and the pile outside grew to be a nice ornament. You all know what this means.

One of my shippers told me last year that we growers don't put the bulbs deep enough in the ground when first potted. This year I started them in 6-inch pots two inches deep and plunged them outside until rooted. They were handled with the best of care, but I found the same trouble and lost 1,500 out of 3,500 bulbs.

Now I wonder what is next. My idea is that the bulbs are taken up before they are ripe and, second, that lilies grown on the same land for many years are getting like potatoes, no good. Third, I think over-production is a cause; fourth, if the growers will demand better stock and not pay for poor bulbs (if prices were again as high for good bulbs it will save time, labor and space) we soon will have better lilies for Easter, without having the headache for two or three months previous.

Tobacco Dust Fumigating Pan.

The accompanying illustration is from a photograph of a pan which we are using for fumigating with tobacco dust. It is by far the most effective method we have ever tried, also easy to manage and inexpensive. Take an ordinary "dripping pan" 8x12 inches, cut the bottom out, leaving a margin of the same of one inch. Fold the piece so cut out to form a "leg," to tilt the pan, and rivet it on. Take fine wire netting, folding the four sides to give it strength, and insert in place of the bottom which has been cut out, letting it rest on the shoulders which were left. Fill about one-half full with tobacco dust. Put a little kerosene oil at lowest point of pan to ignite the dust. It will not flame but will smoulder for several hours and will effectually dispose of the aphis.

Eight pans to a house 18x100 are sufficient. The dust costs about 50 cents per 100 pounds and that quantity will fumigate twenty to 25,000 feet of glass two to three times.

The writer is indebted to Chas. H. Allen for this method of fumigating.

L. E. MARQUISEE.

PAN FOR FUMIGATING WITH TOBACCO DUST.

Philadelphia Easter Stock.

A tour among the growers of Easter stock just now is a great pleasure; in fact it is inspiring. He must indeed be of a very phlegmatic temperament whose nature is not stirred as he passes from one house of well grown plants to another, which, just bursting into bloom, shows the perfection of the "art which doth mend nature."

The features of this stock may be said to be Robt. Scott & Son's house of Crimson Ramblers. The first sight of this gorgeous mass of bloom fairly takes one's breath away. They are individually and collectively the finest I have ever seen. A very "creamy" lot of lilies are also to be seen here. They carry more flowers to the single stem than the great majority seen this season.

W. K. Harris' house of bougainvillea is perhaps the second feature in this grand display. This is another breath suspender, as one hesitates for words to do it justice. Why don't others undertake this plant? It should be a money maker everywhere. Mr. Harris is also in it with his hydrangeas, which are as near right in color, both pink and blue form, and flowering condition as it is possible to get them. His blue ones at $15 are stunners. The azaleas are also gilt edged and in good variety, the Vander Cruyssens being of beautiful color. A house of deutzias, two of spiræas, a lot of bulbous stock and a fine lot of valley in pots and pans, and we must mention some choice rhododendrons and lilacs, and a house of genistas, which are grown better here than anywhere else in the country.

Robert Craig & Son have perhaps the greatest variety of well grown stock to be seen anywhere. Although a great many lilies were thrown out, yet thousands of very fine plants are seen, just right for the season. Azaleas are the strong point here; house after house of the choicest stock is to be seen, each if anything handsomer than the other and seemingly right to the hour in point of time. Two large houses of Ramblers are also in great shape but nearly all marked sold Spiræas here are also well flowered, many of them the new Gladstone. Messrs. Craig & Son are also very strong on bulbous stock and have thousands of tulips and hyacinths in pots and pans, which are almost worth a journey to see. Double flowering cherries, acacias and hybrid roses about make up the assortment, which is fully up to the standard of former years.

Hugh Graham has a fine lot of lilies, very well grown, and azaleas in quantity, also some extra quality hyacinths. H. A. Dreer confines his Easter assortment to azaleas, of which they have an elegant stock, all of last fall's importation. George Anderson has his usual fine stock of lilies, now all sold. J. W. Colflesh is strong in lilies and azaleas, which with daisies, hydrangeas and cinerarias and a line of bulbous stock make up the assortment. Jacob Becker has his usual lot of choice azaleas and a fine batch of lilies.

James Cole has a nice lot of azaleas, lilies, geraniums, heliotrope and cinerarias. George Carpenter has a nice batch of healthy, well flowered lilies and hydrangeas. Julius Koehler has a good assortment of lilies, azaleas, daisies and bulbous stock. Westcott Brothers are well prepared with lilies, hydrangeas, cinerarias, daisies, spiræas and a great stock of hyacinths. Harry Faust has a nice Easter assortment of lilies, azaleas, genistas and bulbous stock The Floracroft Greenhouses, at Moorestown, have lilies, hydrangeas, Ramblers and hybrid roses, a scarce article this season. Sam'l Bunting is very strong in lilies and has a large lot in single and double plants. He has also a large lot of bulbous stock.

Taking the stock of the various growers collectively we have never seen a finer assortment and all look forward to a great business, for all the choice stock has been sold for weeks and at present the conditions are favorable to a complete sweep.

K.

Spring Exhibition at Boston.

The spring exhibition of the Massachusetts Horticultural Society opened Wednesday noon with the large exhibition hall well filled with multi-colored groups, spring flowering bulbs and other brilliant material, the view looking from the loggia being gorgeous in the extreme, lacking only a necessary setting of green background, for which no provision had been made, and which was afforded only in the groups of Farquhar and J. S. Bailey, both of which were effectively arranged.

The most extensive exhibitors were Ewell, bulbs; Bussey Institution, bulbs forced shrubs, herbaceous and wild flowers; Mrs. Cheney, Lorraine begonias, cyclamens and cinerarias; G. T. Fabyan and C. H. Souther, cyclamens; Botanic Garden, obconicas, lachenalias, cyclamens and violets not for competition; Mrs. Gardner, bulbs and primroses; Dr. Weld, ericas and hard-wooded plants. The most sensational feature was Pierson's Nephrolepis Piersoni, which received the rare distinction of a gold medal. It was pronounced the most notable introduction in decorative ferns since Adiantum Farleyense.

Wm. McAllister, gardener to Mrs. J. C. Whitney, showed Dendrobium nobile carrying over 1,300 flowers and was awarded a silver medal. The cyclamens, always grand in this show, were the best ever seen here. Cinerarias were fully up to the past averages. The bulbous material was uniform and good, Ewell's display being particularly varied and comprehensive. L. H. Foster received a certificate for Nephrolepis Fosterianna.

Cut blooms were shown in the small hall. Notable displays of orchids came from W. P. Windsor, Peter Murray, gardener, and J. E. Rothwell, E. Johansen, gardener, the first named receiving a silver gilt medal and the second a silver medal. A fine collection forty named hybrid perpetual roses came from Col. Col. Chas. Pfaff, Geo. Melvin, gardener. Helen Gould-Balduin and Liberty in excellent form were shown by the Waban Conservatories and Bride and Bridesmaid came from J. Pritchard.

Premiums were awarded as follows: For specimen azalea, to Dr. Weld; for Lorraine begonia, to Mrs. Cheney; for ericas, to Dr. Weld; for specimen orchid, to Mrs. Whitton, W. P. Winsor and Mrs. Gardner; for specimen stove plant, to Mrs. Gardner and Dr. Weld; for hardwooded greenhouse plant, to Dr. Weld; for forced shrubs, to the Bussey Institution and Mrs. Gardner; for primroses, to Dr. Weld and Mrs. Gardner; for polyanthuses, to Mrs. Gardner; for cyclamens, to Mrs. Cheney and C. H. Souther; for cyclamens in 7-inch pots, to Geo. F. Fabyan and Mrs. Cheney; for specimen cyclamen, to C. H. Souther and Mrs. Cheney; for six cinerarias, to E. J. Mitton, Mrs. Cheney, Mrs. Gardner and Dr. Weld; for three specimen cinerarias, to Mrs. Cheney and Mrs. Gardner; for specimen cineraria to Mrs. Gardner, E. J. Mitton and Mrs. Cheney; for hyacinths, two firsts to Dr. Weld, to E. S. Converse one first, to Mrs. Gardner one first and three seconds, to the Bussey Institution one first and three seconds; for tulips to Warren Ewell one first, one second and a third, to Dr. Weld one second and to E. S. Converse one second; for narcissi and jonquils, to Dr. Weld three firsts and one second, to Ewell two firsts and one second; for lily of the valley, to Bussey Institution, Ewell and Peter B. Bradley; for crocuses, to Bussey Institution and Ewell; for ixias and tritomas, to Dr. Weld; for Roman hyacinths, to Weld, Ewell and Bussey Institution; for general bulb display, to Bussey Institution and Ewell; for cut roses all prizes for perpetuals to Col. Chas. Pfaff; for Bride and Bridesmaid to John Pritchard; for Liberty to Waban Conservatories.

On carnations, which were a feature of the second day, M. A. Patten was first for Marquis, Lorna, Bradt, Lawson and Roosevelt, second for Morning Glory and Wolcott. Peter P. Bradley was first and second for vase of 100 blooms.

The weather was rainy and disagreeable during the first two days.

The Toronto Carnation Show.

The third annual carnation show of the Toronto Gardeners' and Florists' Association was held in the Pavilion of the Horticultural Gardens, on March 13, and both from the number and quality

of the blooms shown this meeting was certainly the most successful of its kind yet held in this vicinity. This meeting is practically a carnation meeting of Canada, and it is as much looked forward to as the one which is held by our brothers across the line.

The weather was very favorable, and nearly all shipments which arrived from a distance came in very good condition. A very large number of people inspected the display, and the result cannot be other than beneficial in giving the carnation one of the first places in the florist business. Something over 5,000 blooms were shown, many of which were the new varieties. The best was Adonis, shown by the E. G. Hill Company, of Indiania, and was awarded the challenge cup, which was offered by the horticultural society. L. E. Marquisee, with Empire State, was second, and the Dale estate, with Gov. Roosevelt, was third. The Chicago Carnation Company sent a nice vase of Mrs. Potter Palmer, which is a fine bright red and worthy of praise. R. Witterstatter sent a nice lot of Enquirer, which were fine blooms but a little off color. Dorner's exhibit arrived sleepy, but Bassett & Washburn put up a particularly good exhibit. C. Warburton showed Cresbrook, which was a very nice pink with good stem. J. Gammage & Son, of London, put up a nice table of carnations.

R. Jennings, of Brampton, showed some nice Beauty roses and carnations. The Dale estate, Brampton, showed Lorna, which was very good. Wm. Fendley had a good display of carnations and violets.

Among the local exhibitors, J. H. Dunlop had the largest exhibit of carnations in the hall, having several tables filled with the newer varieties in splendid shape. His vase of Lawson were very fine flowers but a little off color. Mr. Dunlop also received special mention for his exhibit of azaleas and rhododendrons. The Toronto Floral Company showed a fine vase of mixed carnations, and Manton Brothers showed a nice exhibit of orchids. W. Lawrence had a good exhibit of carnations, lilies and roses, and Jay & Son had a fine display of mixed plants and good carnations. Exhibition Park had a fine collection of flowering plants, and Horticultural Gardens a fine exhibition of plants. The judges were D. G. Manton and F. Dicks, of London.

The visitors were Messrs. Gammage and Dicks, of London; Webster and Brown, of Hamilton; Fendley, Jennings, Webb and Watkins, of Brampton, and Ewing, of Berlin. H. G. D.

The Effect of Ether in Forcing Plants.

In *Le Jardin*, M. Albert Maumene summarizes the results of experiments under the above heading at the experiment station at Dresden, the gist of which we give herewith:

In the early forcing of shrubs no one can neglect the advantages resulting from the use of ether. The commercial man must take into account that certain species can not only be brought into flower earlier and thus bring an advanced price, but that they occupy the houses a much shorter time and thus the expense of growing is greatly reduced. It is stated by the author, as a proved fact, that the saving in the time required in the house will more than cover the additional expense of the process, having the advanced price obtained by being first in the market as a net profit.

EFFECT OF ETHER IN FORCING PLANTS.
Etherized plant of Lilac Marie Legraye in bloom.

Experiments with the lilac, the varieties used being Marie Legraye, Charles X and Leon Simon, showed the flowers fully expanded in eighteen days after being brought into the houses, Marie Legraye being even earlier than this. In the forcing of shrubs for a very early date, while those not treated have flowered only poorly, the treated plants have produced much better flowers, eight to ten days earlier. Etherized plants are even found to force at a much lower temperature than those not so treated. In addition to the lilacs, Azalea mollis and the viburnums responded readily to the treatment; Prunus triloba was more rebellious; while the flowers of Deutzia gracilis were spoiled. Lily of the valley, etherized and placed in heat (about 75°) on November 21, flowered forty per cent, while those not etherized flowered only two per cent. For much later forcing the ethering process does not seem advisable. In treating roses so marked a success has not been shown, although the flowers were earlier. Cut branches of Azalea mollis flowered in twenty-three days, while branches not so treated were twelve days late. Viburnum plicatum, etherized and placed in heat December 2, was in full flower on the 14th, while the plants not etherized flowered very poorly a long time later. Azalea mollis treated November 26 and brought into the house November 28, was covered with flowers on December 20, although the untreated plants were only poorly flowered in early January. As the normal flowering season approaches, the action of ether becomes less and less marked, so that its use is especially indicated for the months of November and December.

The application of this process requires, of course, considerable care. The vapor of ether is very inflammable and the work must be done in the absence of fire and artificial light. The box or apartment in which the plants are treated must be absolutely tight, as the vapor will otherwise escape, for they must be in an evenly etherized atmosphere about forty-eight hours. Arrangements must also be made for rapid and complete ventilation when the exposure has been sufficiently long. The article from which we condense this account is accompanied by illustrations of the subjects, treated and untreated. With the lilac, Marie Legraye, and Viburnum plicatum tomentosum, the flowers and foliage on treated plants were fully expanded while the buds on those not treated were just beginning to

swell. It is worthy of note that the lilac foliage on the treated plants was developed with the flowers and was vigorous and of good color, instead of weak and pale, as usually occurs in early forcing.

We are indebted to Professor Ledien, of Dresden, for the photographs from which the accompanying illustrations were prepared. Some of the pictures appeared in *Le Jardin* first, however.

Rose Mrs. Oliver Ames in England.

With the rose of to-day, as seen on the exhibition tables, we are afraid there is an ever growing tendency towards delicacy and some of the most handsome forms in cultivation are too evanescent to be of use for cut purposes. That one of the varieties shown at a recent meeting of the R. H. S. committees at the Drill Hall, Westminster, was not lacking in the power of endurance was demonstrated by the fact of it having withstood a fourteen days' journey before being put on the show board. It was sent by John May, Summit, N. J., U. S. A. A grand bunch of it was shown and greatly admired, and their durability commented on by all. The blooms were large and deep. The prevailing color was shell pink, giving place in the center to salmon-pink, and on the outside to buff-pink. Some of the color may have been lost in the long journey, but it was still charming. The beauty of the blooms was greatly enhanced by the crimped and waved margins of the otherwise shell-like petals. The foliage, like the blooms, was in good condition and exhibited every evidence that the general habit of the plant was very vigorous. To crown all, the blooms were carried well up on stiff stems, so much favored and rightly so by the American growers, and possessed a pleasing fragrance. Roses are largely cultivated in the United States for winter work, and for this purpose they are grown upon benches under glass and forced for the sake of cut flowers. That the variety is well adapted for this purpose there cannot be a doubt.—*Gardening World.*

CHRYSANTHEMUMS.

FROM THE COMMERCIAL STANDPOINT.

Chrysanthemums for commercial purposes should be classed in three different sections, those which produce for the open market the highest grade of bloom; second, the cheaper grade of stock grown for the open market, the principal use for this class of stock being as a "fill-up," pushing it along with all possible speed and getting it out of the way in as short a time as nature will allow; third, the varieties of the grower who caters direct to his patrons and consequently has a wider field, he being in a position to be able to grow a larger assortment of the different forms, many of which are the most beautiful and artistic but too delicate for the rough handling in the commercial market.

In dealing with section one, when we aim to produce high grade blooms, the first business in order is to select the proper sorts to grow, and to do this and to make any money on them, we want only such varieties as will come near producing 100 per cent perfect flowers which will stand the wear and tear of getting them to market and give satisfaction to the buyer afterwards. The following is a list of varieties most suitable for this purpose:

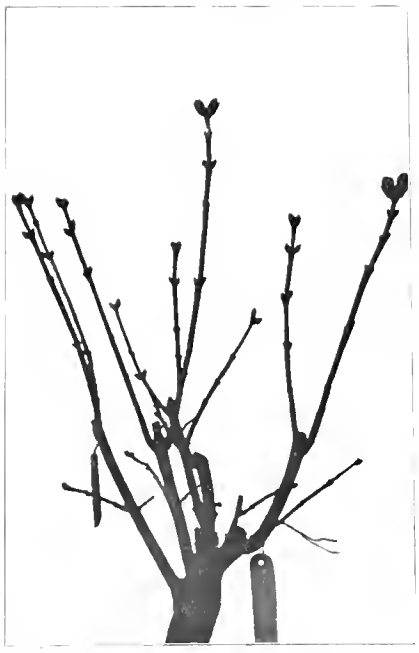
Yellow: Soleil de Octobre, Major Bonnaffon, Col. D. Appleton, Yellow Mrs. J. Jones and Golden Wedding.

White: Ivory, Mrs. Henry Robinson, Mrs. Jerome Jones, W. H. Chadwick and Yanoma.

Pink: Viviand-Morel, Lavender Queen and Superba.

Other colors: Chas. Davis and Geo. W. Childs.

These should be rooted between March 20 and April 1, potted into 2-inch pots and given a light place with a night temperature of about 50°. After they take hold of the soil it will be a very little while before they will need a shift. Attend to this at once, so as not to let them become root bound. Pot into 3-inch pots, giving them a little space between each plant when setting them on the bench to prevent their becoming drawn. It will be necessary to watch closely to see that the plants do not suffer for the want of water. This size pot will carry them along to planting out time, which should be soon after the first of June, after the usual work has been done in getting the house and benches ready.



EFFECT OF ETHER IN FORCING PLANTS.
Non-etherized plant of Lilac Marie Legraye before forcing commenced.

Always make sure of four and one-half feet head room for Ivory, Mrs. J. Jones, Yellow Jones and Soleil de Octobre. The other varieties will need a foot more. Choose a good, live, rich soil. Fresh soil that has been stacked over winter is the proper thing, with the lumps broken up, so it can be handled, but not so fine as if it had been sifted. A little of the fibrous turf mixed through the soil for the roots to work on I have found to be quite beneficial. Add about one part of cow manure combined with a sprinkling of horse manure to three parts of soil. After the benches are filled for kin a good dressing of bone meal, making the beds as firm as possible, setting the plants about eight inches apart each way. Syringe several times a day at the start to prevent wilting, after which they delight in a damping down two or three times a day and must be watered when occasion requires it and given all the light and air the house will allow.

The general routine of the work for a time after planting is to free the beds of any weeds that appear, keep all side shoots picked out and the plants free from aphis. After the plants have taken a good hold of the soil give the beds a light dressing of air-slaked lime and when the roots are found to be pushing up through the top of the soil a light dressing of well-rotted manure will be necessary, but after this has been put on do not allow it to become caked, but loosen it up every little while, being careful not to disturb the young roots too much.

In taking the buds on this early planted stock great care will have to be exercised or failure will result, therefore all side shoots or buds that appear along in July must be removed as soon as large enough to handle. By so doing you give the plants a show to mature and throw the right bud at the proper time, which in most cases will be about August 20. After the buds are taken the suckers from the bottom will begin to give trouble and should be removed as soon as large enough. When the buds have commenced to form apply a weak form of liquid manure and gradually increase the strength as the buds expand, letting down again as they begin to show color. After this keep all stems tied up and give particular attention to the ventilation at this time to prevent draughts should a cold, wet spell come on.

Stock for the second grade can be propagated at the end of April, during May or in the first part of June, potted up as soon as rooted and planted out on the benches between June 15 and July 15, or a little latter will do no harm for late varieties. In selecting varieties for this section we can add to the list chosen for the first section, all the well known early varieties, such as Lady Fitzwygram, Yellow Fitzwygram, Glory of Pacific, and such midseason and late varieties as Mrs. Perrin, Niveus, Mrs. Murdock, Mutual Friend, Xeno and W. H. Lincoln. To produce stock suitable for this trade the plants can be set close together but I would not advise setting them closer than five inches each way, and also after the plants take hold of the soil the tops can be taken out and the plants run to two or three blooms as you wish. With late struck stock some varieties will grow straight ahead and not form any bud until about September 1. It is perfectly safe to select this bud for the bloom and in most cases it will make the best flower.

Any florist, who grows for retail, will display mighty good taste by adding some pompon varieties to his list, also some anemones, both of which should be grown naturally, with very little if any disbudding. The plumed section should also come in for recognition here and will prove a big attraction. There are also several distinct varieties such as Iora, Mrs. F. A. Constable, Nyanza, Chito, Mrs. A. J. Drexel and several more mighty pretty things that do not find favor with the retail florists of large cities but could be used to good advantage by the man who grows to sell from the greenhouse. C. W. JOHNSON.

BIRMINGHAM, ALA.—There is bad blood between the two leading florists of this city and on March 15 they engaged in a game of fisticuffs in the street, but were separated by their friends before any harm was done.

EFFECT OF ETHER IN FORCING PLANTS.

Viburnum plicatum tomentosum; very bad grower early in season; both plants etherized November 14, flowering January 1.

WITH THE GROWERS.

MINNEAPOLIS FLORAL CO., MINNEAPOLIS.

A visit to the modern wholesale producing establishment of the Minneapolis Floral Company is most interesting. This is one of the largest places in the state, as well as one of the newest. John Monson, formerly superintendent for the C. A. Smith Company, is manager and part owner, Mr. Moulton, one of the successful bankers of the state, owning the principal interest in the concern.

The main plant consists of eighteen houses containing 75,000 square feet of glass. Five small sash houses contain about 5,000 feet additional. Their specialties are roses and carnations, while a general line of plants and bulbs are also grown.

In roses Meteor, Bride, Bridesmaid, Sunset, Liberty, Beauty and Queen of Edgely are grown. Meteor does well here. It is planted in a mixture of gravel and clay loam and fertilized very sparingly. Mr. Monson says he has always had best results with this sort by starving it. Liberty has done fairly well but is not considered profitable, as it comes into full crop only two or three times each season, the balance of the season producing only short-stemmed blossoms which do not sell well. Bride and Bridesmaid do well and, with Meteor, are the most profitable sorts to grow. The house of Beauties is a forest of growth but the plants were benched too closely and have not thrown as many long-stemmed blooms as they would have if planted otherwise.

Queen of Edgely is a most beautiful bright pink variety but as grown here lacks substance and will never take the place of Beauty, if it equals it. Sunset is still grown to good advantage, though not as profitable as some other sorts. A few plants of the old favorite Perle des Jardins are very strong and vigorous. A nice stock of young plants of the Helen Gould is being grown for another season's benching.

While a goodly number of grafted roses are being grown, Mr. Monson is an ardent believer in own-root stock. Quite at variance with most of the prominent growers, he claims to grow stronger, more prolific plants from rooted cuttings than from grafted stock, and the stock seen in his houses would seem to verify his theory. Club root is almost unknown here. This he claims is due to keeping the plants in a root-bound, dried-out condition. The roses here are grown in connected houses with iron gutters, butted glass, short span to the south. The houses were built under Mr. Monson's personal supervision and according to his plans.

In carnations the most pleasing, prolific and profitable sort grown is Prosperity. The blooms are extra large and possessed of great keeping qualities. The stem, however, is not strong enough for its enormous load of bloom. Lawson, grown in the same house, has also done very well but throws fewer buds. This variety develops its buds very slowly, while Prosperity develops very rapidly.

Nearly all of last year's novelties were tried here, with varying results. Lorna and Norway are both good whites. Marquis does very well. Crocker and Olympia are too shy bloomers to be retained. Bradt is profitable. Crane and Jubilee are both good reds but Estelle beats them in color.

For Easter trade a fine lot of hydrangeas in bud and bloom are very showy and attractive. In addition to these choice plants a fine lot of azaleas, pæonias, hybrid roses and lilacs are being pushed along for Easter trade. Lilies were rather disappointing, so many of the bulbs being diseased. Bostons, Sprengeri, Asparagus plumosus and palms at this establishment are all in fine shape. Violets were planted in the ground in early summer and sash houses built over them. Stock is looking fairly good.

Next season another large addition and improved heating facilities will be completed. With ample resources, an ideal location and an enthusiastic, energetic, experienced manager, this firm is bound to push to the front and build up a most prosperous business. FELIX.

To Writers.

The following advice is taken from an English contemporary: "There is a man the printer loves, and he is wondrous wise; whene'er he writes the printer's man he dotteth all his i's. And when he's dotted all of them with carefulness and ease, he punctuates each paragraph and crosses all his t's. Upon one side alone he writes and never rolls his leaves; and from the man of ink a smile and mark 'insert' receives. And when a question he doth ask—taught wisely he hath been—he doth the goodly penny stamp, for postage back put in. And thus by taking little pains, at trifling care and cost, assures himself his manuscript will not be burned or lost. So let those who long to write take pattern by this man, with jet black ink and paper white, do just the best they can; and then the printer man shall know them as his friends, all through life's journey as they go, until that journey ends."

EFFECT OF ETHER IN FORCING PLANTS.

Viburnum plicatum tomentosum; flowering plant etherized November 14, flowering January 1. The other non-etherized plant died through being placed in heat too early.

Chicago.

WEEK A FAIRLY BUSY ONE.—SHIPPING TRADE BRISK.—OCCASIONAL SHORTAGES DEVELOP.—EASTER PROMISES TO CLEAN UP EVERYTHING IN SIGHT.—LEADING RETAILER SELLS HIS LEASE AND SECURES A NEW LOCATION.—SCHUBERT TO RETIRE.—PLANS OF THE GROWERS.—VARIOUS PERSONAL AND TRADE NOTES OF INTEREST.

This has been a fairly active week in the local cut flower market, with good demand from outside sources. Local trade is beginning to pick up in good style and there is a prospect of very fine business before the city retailers for the next few weeks. They are all confident of a good Easter and are laying in such supplies of well-grown plants as are obtainable. For the past few days the shipping demand has been steady and has consumed the receipts fairly well, with occasional shortages. On Wednesday afternoon it was impossible to fill late orders for white carnations, although early in the day there had been liberal quantities in sight and of colored stock there was an abundance, in fact rather more than could be moved to advantage. Every indication points to a very large supply of carnations for Easter, also to good cuts of bulbous material, but in general the local houses are not hustling for orders which require first-class tea roses, the supply being too uncertain. The big growers are coming in with splendid cuts of long Beauties and anyone who has use for this material at from $5 to $6 a dozen can get what he wants in this market of as good a quality as he ever had the pleasure of handling. Bulbous stock in general is fairly plentiful except Harrisii. It is figured that the shortage of Easter lilies will make a market for other material and the wholesalers are all satisfied that they have a big Easter business right at hand.

John Mangel has sold the lease on his store at the corner of State and Washington streets to Otis Wilson & Company, bankers, and will vacate May 1. He is said to have received $12,000 bonus for his contract. John C. Schubert will retire with the end of April and Mangel has made a lease upon the Schubert stand at the corner of Wabash and Monroe. H. C. Rowe, who has been with Schubert for some time, has made a lease upon a very nice store in the Windsor Clifton Hotel and will go into business for himself at the end of his engagement with Mr. Schubert.

A dozen blooms of Peter Fisher's new carnation Enchantress received by a local firm, March 11, were still in good condition a week later. This certainly speaks well for the keeping quality of the variety, which Mr. Fisher claims is better than Mrs. Lawson.

Peter Reinberg agrees with those growers who, in the last issue of this journal, said they think Liberty is a coming rose. He has 10,000 grafted up on Manetti for this year's planting. Bassett & Washburn will also go in heavy on this rose next year.

The Chicago Carnation Company is reported to have decided to go into roses, building at once a good sized range for them. It is a move which will undoubtedly add much strength to their already firm position in the trade.

The Chicago Florists' Club will give its annual ball in the drill hall of the Masonic Temple on April 8. Tickets are on sale at the wholesale houses at $1 each.

Wm. Dittman was in town this week and ordered the material for his new greenhouses, the cypress from Moninger and the glass from Rice.

J. P. Risch says that the Easter demand is assuming very fine proportions and that he thinks lilies will prove to be not the only shortage.

Andrew Miller, of John Mangel's, who has been in ill health, will be home in a few days from a western recuperative trip.

E. H. Hunt is showing samples of some particularly nice hydrangeas, low plants with tremendous trusses of bloom.

George Reinberg is getting ready to push his building operations as soon as the Easter rush is over.

J. D. Thompson reports that his sales of carnation cuttings have been excellent thus far this season.

John Degnan, of the McKellar & Winterson Company, is at home from his eastern trip.

John F. Cowell and Emil Buettner will officiate as judges at the coming fall exhibition.

There are signs that the growers are pickling again.

New York.

MARKET QUIET.—LILIES AND CARNATIONS SHOW THE ONLY IMPROVEMENT.—BEAUTIES NOT SO STRONG AS WOULD BE LIKED.—SIEBRECHT HAS FRAGRANT CROPS.—GERTRUDE HYACINTH A GOOD THING.—VARIOUS NOTES.

No change of any special interest has occurred in the cut flower business since last week's report. Trade is quiet generally and except on carnations and lilies prices are unchanged, these two specialties having stiffened up somewhat. The supply of carnations has shortened up, particularly the white varieties. This does not, however, indicate any scarcity for Easter but probably indicates the reverse. The market for American Beauties is not all that could be desired. They are more plentiful and with the decreased demand tend to weaken in price. Other varieties of roses are in moderate supply. Bulbous stock is noticeably lighter in receipts. Tulips and daffodils sell much better than they did last week and leave no surplus. Violets are also decreased in volume and consequently are moved at better advantage. Orchid supply is light and the market for greens has improved. Some very good Jacqs have made their appearance.

One can almost find the establishment of W. H. Siebrecht at Astoria, at present, by the perfume of hyacinths, lily of the valley and other fragrant things that abound there, without the use of eyes. Calling there the other day we found that industrious gentleman busy clearing out the last of the bulb boxes from the big storage shed to make room for the lilies, which will be moved there as fast as they reach the proper point of development. There is, however, no great necessity for holding lilies back this year, either at Mr. Siebrecht's or elsewhere in this vicinity, for it will take all the time until Easter to get the greater part of the plants into bloom.

Von Asche, who occupies the houses of Alex. Burns, at Woodside, has several houses of as handsome azaleas as are ever seen in this market but they are all sold. That is the plant growers' luck, something that doesn't come to the flower growers nowadays. Hyacinth growers should make a note of the single pink variety, Gertrude, which Mr. Von Asche grows in large numbers and which always brings the top price. A little tipping outward of the outside row of bulbs in the pan at the time of planting spreads the spikes nicely and brings the foliage well over the edge of the pan.

Ernst Asmus has given to Hitchings & Company the contract to erect a new house 54x400 feet at Closter, N. J.

John DeWolf has resigned the position of landscape architect of the Public Park department, and Sam'l Parsons, Jr., who has been superintendent of parks for a number of years, has been appointed his successor.

Visitors: H. H. Battles, Philadelphia; C. A. Leighton, Skowhegan, Me.

Philadelphia.

ANNUAL SPRING EXHIBITION BRINGS OUT A NICE LOT OF SEASONABLE PLANTS.—GOOD ROSES AND CARNATIONS SHOWN.—BUSINESS NOT HEAVY.—ALL THOUGHTS CENTERED ON EASTER.

The spring exhibition of the Pennsylvania Horticultural Society opened last Tuesday afternoon. There was a nice display of bulbous stock, which might be said to be the feature of the show. Next in importance were Primula obconica and Cineraria stellata, of which there were several nice entries. H. A. Dreer had a table of rare plants in the center of the hall, in the middle of which was a well colored plant of Pandanus Sanderi. John Westcott had his usual group of foliage and flowering plants. John Gaynor had a group on the opposite side of the hall which contained a great variety of plants, most of which were in bloom. There were several entries of lilies, mostly Harrisii. They were all tall and without a trace of disease. Edwin Lonsdale staged some nice plants of his light begonia, Gloire de Lorraine. They were very well flowered. The rose and carnation competition was held on Wednesday. John N. May had a fine vase of Mrs. Oliver Ames and Stephen Mortenson another of extra Liberty roses. There were three entries in the American Beauty class. Adolph Fahrenwold was first with a vase of twenty-five magnificent blooms, while John Burton took second with roses that would in most cases have taken first. In the carnation classes Marquis won from Prince Henry, a flower of Daybreak color, with a good stem, exhibited by Hugh Graham. Robert Craig & Son were easily first with a vase of fifty Adonis. The blooms were exceedingly fine and very much admired. As compared with the fall show the hall had an empty look. Perhaps it is not practicable, but it certainly would add much to the appearance of the show, if the society would have the hall decorated and laid out according to some well planned scheme that would be attractive in itself, and at the same time make an appropriate setting for the exhibits.

Business the past week, with the exception of some anniversary dinners and St. Patrick's day celebrations, has been dull. Speaking of St. Patrick's day, we must refer to W. K. Harris' success with his house of shamrocks. Twenty thousand 2½-inch pots of these plants were sold in two places. All the large florists handled them in quantities. The shipping trade was also very large, as the novelty of the shamrock-shaped pot seemed to take the public fancy, and very few were left unsold. Prices of flowers are about the same as last week, although a good shipping demand has kept the stock from accumulating.

Everybody is busy getting ready for the grand rush. Most of the large stores

have rented additional space in adjoining buildings, which are classified as annexes. Charles Thomas has taken a large store a few doors from Pennock Brothers, on Chestnut street, which is filled with Easter stock. The success of these ventures depends largely on the state of the weather. At present it is blowing great guns and it would seem as if such light structures as greenhouses would be blown away. However, we hope for better weather next week. K.

Boston.

SLOW WEEK BUT HORIZON CLEARS.—OVERSTOCK NOW UNDER CONTROL.—NO PROSPECT FOR HIGH PRICES FOR EASTER.—TRADE DOINGS OF MINOR IMPORTANCE.

The past week has been a very slow one for the flower trade and has brought to the grower and wholesale dealer many problems hard to solve. The street fakir has had his innings and made the best of it, for the weather has been sufficiently mild for him to expose flowers during most of the day without any danger of injury from the cold or the heat. Violets have been his best hold and he has unloaded them by the tens of thousands for the puzzled dealers, but at his own figure. Yet, while there is no prospect of a better demand until close to Easter Sunday, it is evident to anyone versed in the ways of the flower business that the worst of the trouble is now over and that the overstock which has impeded all progress during mid-Lent need no longer give any great concern. Growers from now on will cut sparingly and ship only such material as must be shipped. All flowers that can be retarded will be retarded and in the meantime a better value may be obtained for the stock marketed. As to the Easter values, nobody seriously expects any material advance beyond the average prevailing price in an active market, excepting on a limited quantity of very fancy stock.

George Melvin, gardener to Col. Pfaff, received a certificate of merit for cultural skill displayed in an exceptionally fine specimen of Oncidlum Cavendishianum shown at Horticultural Hall on Saturday, March 8.

Mr. Warburton reminds us that his Cressbrook carnation scored 91 points at the Park street exhibition, an item which somehow did not get into our regular report thereof.

Chas. Ingram is sending to Welch Brothers the first samples of a crop of longiflorums of unexcelled quality.

The announcement is out of the engagement of Harlan P. Kelsey to Miss Low, of Salem, Mass.

Visitors: John P. Brown, Connersville, Ind., secretary of the International Society of Arboriculture; Martin Reukauf, representing H. Bayersdorfer & Company, Philadelphia; H. S. De Forest, of Hitchings & Company, New York.

Worcester, Mass.

SOCIETIES HOLD ANNIVERSARY OBSERVANCES.—A FINE SPRING EXHIBITION.—VARIOUS NOTES.

The Massachusetts Fruit Growers' Association held its eighth annual meeting in Horticultural Hall, March 12 and 13 and elected the following officers: President, A. G. Sharpe, of Richmond; vice-president, Jonathan Eames, of Sherburn; secretary, C. A. Whitney, of Upton; treasurer, Ethan Brooks, of Springfield.

The Worcester County Horticultural Society observed its sixty-second anniversary March 12 with a reunion and banquet attended by more than 300 members and guests. Chas. W. Wood acted as toastmaster and among the speakers were President Hadwen, Mayor Fletcher, H. E. Van Deman, pomologist of the Pan-American Exposition; and Miss Louise K. Miller, of the Lewthorpe Horticultural College at Groton. After the banquet dancing was enjoyed till a late hour.

The spring exhibition of the Horticultural Society was held March 13 and was the best spring show ever held in the hall. The competition was very keen and all the classes had many entries. Cyclamens and azaleas were especially fine and the quality of primulas, hyacinths, tulips, lilies, violets, Lorraine begonias and cinerarias was excellent. A fine lot of carnations was staged, including nearly all the 1901 novelties. Following are the first prize winners four prizes being awarded in each class:

E. W. Breed on hyacinths, Primula Sinensis and azaleas; H. F. A. Lange on carnations and cut flowers; M. J. Whittall on Primula obconica; F. A. Blake on specimen azalea and his seedling carnation Bonnie Bride: Mrs. J. C. Whitin on cyclamens and L. C. Midgley on cineraria. Mrs. J. T. Whitins staged a fine lot of orchids. A. H. L.

Baltimore.

CLUB BANQUET PRECEDED BY A BOWLING MATCH.—BOSTONIAN ENTHUSIASTIC AS TO HORTICULTURAL POSSIBILITIES OF THE SOUTH.—OTHER MATTERS.

The annual banquet of the Baltimore Gardeners' Club was held March 10, and among the guests were Messrs. Burton, Kift, Cartledge, Starkey, Watson and Gibson, of Philadelphia, and Mr. Mathison, of Boston. Some of the gentlemen mentioned had just returned from Asheville, N. C. A bowling match preceded the banquet and the result was that Philadelphia was badly beaten, the score being Baltimore 2297 pins, Philadelphia 1995. Kift and Starkey made the best average for Philadelphia and Seybold and Lehr for Baltimore. The Baltimore team has been invited to play Philadelphia a return match in the near future. F. R. Mathison, in responding to a toast at the banquet grew quite eloquent over the possibilities of North Carolina as a bulb and flower growing state, in which both Messrs. Burton and Cartledge concur. Mr. Mathison said the southern states are not taking full advantage of their wonderful resources and that there is a great opportunity to make North Carolina famous as a producer of flowering bulbs. Ninety per cent of the bulbs are now imported from the other side, costing millions of dollars annually, and all should be grown in the Carolinas. These states should not only grow enough to supply our demands, but even those of other countries. North Carolina lilies of the valley and tuberoses, too, are better than any the speaker had ever seen. Everybody is enthusiastic about the beautiful country around Asheville as a result of the trip and the great speeches made by our worthy president, Mr. Burton, and Mr. Mathison. We hope to have a good delegation for our next convention.

The stores are profusely decorated and those of Halliday Bros., Seidewitz, Feast and Cook are very artistic. Roses are far from being plentiful and are commanding a good price. Harrisii and longiflorum lilies are equally scarce, but other bulbous stock is plentiful. Seidewitz has done a good business with his fine stock of primroses and azaleas, as did Halliday Brothers with their fine carnations. The Lawsons of Halliday Brothers are now very superior in quality to what they were at first.

I would advise our growers to look into the matter of herbaceous plants for spring, summer and fall bloom, for there is practically nothing in the line of cut flowers during the heated term. We certainly have hundreds of excellent herbaceous plants to select from.

Pittsburg.

STATE OF TRADE AND THE PROSPECT FOR NEXT WEEK.—GROWERS HAVE GOOD STOCK.—BATCH OF BREEZY COMMENTS.

The condition of business during the past week was very unsatisfactory. Of course we expected little from the social events, but the absence of funeral work was very noticeable. Mr. Langhans, of the Pittsburg Cut Flower Company, states that there was a big increase in their out of town business. The activity in shipping orders was sufficient to give a fair week's business. This feature was most acceptable as the city stores have little need of cut flower stock. The condition of stock is fair, although the largest portion of the home and eastern roses seem to possess that limpid state of transparency that clearly indicates that they had been retained too long on the plants. The finer varieties of carnations are holding their own in quality and prices. Sprengerii has improved greatly within the past few weeks. It is reported that A. W. Smith, Charles Koenig and Mr. Burki will be fairly successful with their lilies and other bulbous stock. There seems to be a difference of opinion regarding the supply of lilies. Some of the growers are bitterly disappointed over the condition of their stock, and the small bulbs seem to be bearing the brunt of the attack.

J. B. Murdock has secured two very large orders for trees; about 800 is the quantity. Mr. Murdock states that the demand for nursery stock will be exceedingly great this year and his orders to date are such that he will have to go east to purchase stock of this character.

Charles Crall, of Monongahela city, informs me that he intends to erect several new houses, and may extend some of the present ones. His plant is already very large, but he is progressive and in business for money.

The Pittsburg and Allegheny Florists' Club held a social meeting last week. Euchre, bowling and lots of conversation and good feeling was the order of the evening.

Thomas Nelson is shaping things for Easter. He always does a big business and his output of funeral work in a year is something remarkable.

Miss Maxwell, of Wilkinsburg, is thoroughly satisfied with the outlook for Easter. She expects a large increase of business over last year.

Mr. Dunlevy, of Scott township, is in a good humor over the outlook of his stock for Easter. E. L. M.

SALEM, MASS.—The Salem Flower Company opened a new store on Essex street on March 1.

NEW ORLEANS, LA.—Henry Rehfeld, a florist, has been arrested for stealing plants from the Metairie Cemetery. It is charged that he has made a number of thefts and when detected he was carrying a basket with about $10.00 worth of stock.

THE AMERICAN FLORIST

SEVENTEENTH YEAR.

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen and Nurserymen and dealers in wares pertaining to those lines *only*.

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AMERICAN FLORIST CO., Chicago.

THE mailing label on your paper shows when your subscription expires; when you send your renewal note that the date changes within two weeks; it will serve as your receipt.

JOHN THORPE, who has just returned from Kansas City, says that next fall's show there will have a premium list of $7,500, with $1,000 for carnations, and many special prizes. Unique features are already being planned.

Valuable.

ED. AM. FLORIST:—I enclose another year's subscription and one for a friend. I would not like to be without the paper; it contains so many valuable hints and reminders that every grower ought to have it. JOHN DAHL.

Highland Park, Ill.

Greenhouse Building.

Thompson, Conn.—H. C. Coman, one house.

Berlin, Conn.—W. H. Shumway, propagating house.

Wayland, Mass.—D. Becker, one house.

San Mateo, Cal.—Jno. O'Hearn, carnation house.

Onondaga Valley, N. Y.—F. W. Bannister, house 10x100.

Wheeling, W. Va.—Wheeling Floral Co., carnation house 23x150.

St. Paul, Minn.—Holm & Olsen, three houses.

Middletown, O.—Jos. Goldman, two houses.

Closter, N. J.—Ernst Asmus, house 54x400.

Premiums at Chicago.

The Horticultural Society of Chicago has issued its preliminary premium list for the exhibition next fall and it shows some notable changes over last year. In chrysanthemums, cut blooms, there are classes for six light yellow and dark yellow, and light pink and dark pink in which Bonnaffon and Viviand-Morel are the respective color standards. For best vase of 100 blooms there is a premium of $50, and $35 for a vase of 100, no bloom to exceed four inches in diameter. There are liberal prizes for pompons and anemones, also classes for seedlings in which Bonnaffon and Morel are again color standard. The best specimen plant gets an added premium of $15, as does the best group in the classes for three and five specimens. For three standard geraniums the premiums are $50 and $35; for the best fifteen of one variety, $40 and $25. For fifty American Beauties there is $40, $25 and $15; for seventy-five Liberty, $35 and $25; for 100 Golden Gate, Kaiserin, Bride and Bridesmaid, in each class, $20 and $12. The rose classes for twelve and twenty-five blooms are dropped, those for forty blooms continued as last year. There are thirteen classes for new carnations with premiums of $10 and $7, besides the usual classes for standard varieties. Once judging will suffice. Copies of the list may be had by addressing the secretary, Room 1002, 185 Dearborn street, Chicago.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

Messrs. Schmidt & Botley, Springfield, Ohio, who registered new Rose America on November 30, 1901, advise the secretary's office that they have learned that an old rose, introduced many years ago under the name America, is still in existence and catalogued by some dealers. They ask, therefore, to have the registration entry changed from America to Young America, by which name their new rose will hereafter be known. It is described as a hybrid tea, the result of Duke of Edinburgh × Meteor. Buds large, pointed; flowers large, double, fragrant; color deep scarlet crimson; foliage large, dark, leathery.

This voluntary action on the part of Messrs. Schmidt & Botley, after they had gone to considerable expense in cataloging and advertising their new rose under the name first given should, and doubtless will, secure for them the commendation and gratitude of the entire trade.

A. L. Thorne, Flushing, N. Y., registers Carnation White Layde, (Flora Hill × Mrs. Bradt); color clear ivory white; size three and one-quarter inches and over; stems long and stiff; calyx does not split; steady bloomer.

WM. J. STEWART, Sec'y.

Concerning Puppy Dogs.

Once upon a time there was a small dog with an exceedingly long and fluffy tail. Also the hair upon the other parts of his carcass was long and stiff and curly, so that it stood out from his body in such wise that he had the appearance of being "quite some" of a dog. Also he was possessed of quite a phenomenal voice, insomuch that the chance passer-by was apt to be scared half out of his wits by the fearsomeness of his bark. Also he was of a quarrelsome disposition and a fierce appearance.

Now for a long time this dog had successfully put to flight such small boys and such dogs, of not too large a size and not too belligerent an appearance, as passed by his domicile. And this continued for so long a time and with so much success that the small dog of whom this story is told became very much puffed up and swelled in his head, to such an extent that he came really to believe that he was as much of a dog as he looked, and sounded, and acted to be; and thereby came about troublous times and the final downfall of the aforesaid dog, namely, he of the long and fluffy tail and the fierce bark and the quarrelsome disposition.

Now it came about in this manner. Upon a day there ambled down the street, at the heels of his master, a dog of medium size, but to the close observer, somewhat large and broad of head. This stranger dog was apparently of a meek and retiring disposition, and to the foolish imagination of the first-mentioned dog, was an easy mark; so he left the protection of the front fence, and, with his fiercest bark, flew savagely at the stranger dog. Alas and alack! The stranger dog consisted of about twenty-two pounds of bull terrier ginger. He wasn't very much of a barker, but had had experience in the past with several different kinds of dogs. There is nothing more to chronicle, except one snap, one shake, then four and one-half pounds of dog with a long and fluffy tail and long and curly hair, lying by the wayside, barkless forevermore, while the bull terrier ambled on.

Now the moral of this tale runs in this wise; that had this foolish little dog remained safely behind the front fence he might still be able to bark some more. How much more discrete are the actions of those who, safely sheltered under a non de plume, criticise the work of exhibition judges who have endeavored to perform their disagreeable task as fairly and as impartially as the ability was given them so to do. TERRIER.

OBITUARY.

PAUL DUCRET.

Paul Ducret, who has conducted greenhouses at Union Cemetery, Kansas City, since 1883, died March 12, of appendicitis. He was ill only a few hours. Mr. Ducret was born at Geneva, Switzerland, in 1850. In 1876 he made Kansas City his home, and a few years later began the culture of flowers. A wife and three children survive him. He was a Mason and took active part in the affairs of the Gruetli Verein, a branch of a Swiss patriotic society.

JAMES SUTHERLAND.

James Sutherland, Jr., of Athol, Mass., died on March 14, aged 52 years. Mr. Sutherland had been in failing health for more than a year. He learned his business as a gardener and florist in Scotland, coming to this country when he was 25 years of age. Up to seven years ago he was in business in Winchendon. He sold out and removed to Athol, where he has been in business since. He leaves a wife, three sons and one daughter, besides four brothers all in the florist business, one of these being George A. Sutherland, the wholesaler, of Boston.

Catalogues Received.

Samuel C. Moon, Morrisville, Pa., trees and shrubs; Sutton & Sons, Reading, England, wholesale and retail seeds; Webster Bros., Hamilton, Ont., plants and shrubs; Henry Eckford, Wem, Shropshire, England, sweet peas; Frantz De Laet, Contich, Belgium, cacti; P. S. Peterson & Son, Chicago, trees and shrubs; Pinehurst Nurseries, Pinehurst, N. C., plants and seeds; Phœnix Nursery Co., Delavan, Wis., trees and shrubs; Klehm's Nurseries, Arlington Heights, Ill., trees and shrubs; Chas. B. Hornor & Son, Mt. Holly, N. J., trees and shrubs; N. L. Willett Drug Co., Augusta, Ga., seeds; Isaac Hicks & Son, Westbury Station, N. Y., trees; Ellwanger & Barry, Rochester, N. Y., trees and shrubs, A. B. Howard & Son, Belchertown, Mass., petunias; John H. Dunlop, Toronto, Ont., plants and cut flowers; Lager & Hurrell, Summit, N. J., orchids; Henry W. Gibbons, New York, greenhouse building materials; W. W. Barnard & Company, Chicago, seeds; Livingston Seed Com-

pany, Columbus, O., seeds; M. B. Faxon, Boston, Mass., pansies; Armand Kerlec & Sons, New Orleans, La., seeds and plants; G. Herbert Haszard, Charlottetown, Prince Edward Island, dahlias; Wm. H. Moon Company, Morrisville, Pa., trees, shrubs and plants; Osman & Company, London, England, florists' supplies; L. Boehmer & Company, Yokohama, Japan, seeds and bulbs; Thomas Meehan & Sons, Germantown, Philadelphia, Pa., trees and shrubs.

SALT LAKE CITY, UTAH.—There is a noticeable demand for daffodils and violets, which are being shipped in from the east. Less and less stock is being received from California, the western growers not seeming to know how to pack flowers properly for shipment. However, lilies still continue to come from California.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (six words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1902 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—By experienced rose and carnation grower. Best references. L N, care N. Nelson, Mankato, Minn.

SITUATION WANTED—Expert grower wants position as foreman. Highest testimonials. Address J S, care American Florist.

SITUATION WANTED—By good all-around man, good on roses. Minnesota or Wisconsin preferred. X, care American Florist.

SITUATION WANTED—By experienced single florist and gardener, commercial or private place. Address COMPETENT, Am. Florist.

SITUATION WANTED—Gardener, thoroughly practical in all branches of floriculture and horticulture; long experience. Address J P, care American Florist.

SITUATION WANTED—By practical florist and gardener, competent to take charge of country place; references; German; married, one child. Address TH H, care American Florist.

SITUATION WANTED—By a thoroughly experienced English gardener; will furnish first-class references as to ability, sobriety, etc. Address W. J ARMSTRONG, Oakland, N. J.

SITUATION WANTED—By landscape gardener and florist, 22 years' experience, No. 1 references, competent to take charge of first-class private place. State wages. Address N, care American Florist.

SITUATION WANTED by retail florist with long experience: good salesman, designer and decorator; sober, industrious and reliable; references. Address JULIUS A. SCHNAPP, 2220 Indiana Ave., Chicago, Ill.

SITUATION WANTED—By a Hollander as decorator and designer. An expert in making fountains and any scenery in connection with floral decoration. Address S P W, care American Florist.

SITUATION WANTED—By competent florist, landscape and vegetable gardener; good grower of cut flowers, palms, ferns and bedding stock; German, age 31; references; central states preferred. W, care American Florist.

SITUATION WANTED—By florist and landscape gardener, 18 years experience in greenhouses, vegetables and lawns; would like to take charge of private place. Best of references furnished as to ability. Married, no children. L, care American Florist.

SITUATION WANTED—As manager or foreman. Married; 38 years of age. Roses, Beauties, a specialty; carnations, 'mums; expert florist on general stock; English and American experience. W E B, 427 E. 63rd St., N. Y., care of Mrs. Williams.

SITUATION WANTED—By experienced florist and gardener, also designer and decorator; married, no children; would like to take charge of private or commercial place; age 29, German; best of references. Address J A K, care American Florist.

SITUATION WANTED—By a young man as foreman or assistant on a private place; good grower of roses, carnations, fruit and general stock. Thoroughly competent; temperate. References will bear personal investigation. Address RUSSELL ALBERTSON, Long Island N. Y.

SITUATION WANTED—As foreman by thoroughly practical florist. Good decorator, designer, etc. Grower of No. 1 roses, carnations and 'mums. First-class commercial or private position. Good wages expected. Address G. FOREMAN, care P. O., Canton, O.

SITUATION WANTED—As gardener on a private place, age 33; German, single; thoroughly practical man in all branches, lawn, greenhouses, roses, shrubs, trees, and vegetable gardening; 18 years' experience best of references. Address R M, care American Florist.

SITUATION WANTED—By thoroughly experienced grower of ferns, palms and general stock, also roses and carnations. First-class commercial place. Good references; age 28; single; thirteen years' experience on large commercial places. Address H. HANSEN, 237 Mt Auburn street, E Watertown N. Y.

SITUATION WANTED—By landscape gardener, German, 28, single; good grower of cut flowers and pot plants. Understands how to do the work in a practical manner; would like to get a position in a private place. Best references from commercial places and landscape architect as an honest, sober, industrious and faithful worker. North-middle states preferred. Address LANDSCAPE, care American Florist.

SITUATION WANTED—As head gardener on gentlemen's place. First class man with life experience in all the branches of horticulture; willing to work and take charge of large place. Expert in growing bedding stock, cut flowers, landscape work; handle labor to best advantage. High wages expected. Have charge at present of private place in Colorado. Open for engagement May; German, age 36; married; best references. PRIVATE GARDENER, care American Florist.

WANTED—Fireman experienced in greenhouse work. C. S. FOOTE, Downers Grove, Ill.

WANTED—A good rose grower, one who has had experience with greenhouse stock. C. S. FOOTE, Downers Grove, Ill.

WANTED—Two men for general greenhouse work and two helpers for rose sections. J. F. WILCOX, Council Bluffs, Iowa.

WANTED—A man to work in the greenhouse, one with experience in carnations preferred. Address S C, care American Florist.

WANTED—Good all-around florist; must understand his business; bedding plants a specialty. 5411 Woodlawn avenue, Chicago.

WANTED—A good all-around single man; also an assistant. Good wages and steady work. J. F. GIBBS, Woodville, Allegheny Co., Pa.

WANTED—Young man with some knowledge of rose growing and greenhouse work. State wages wanted with board. R, care Am. Florist.

WANTED—Good all-around greenhouse foreman, must be sober and industrious; married man preferred. SWAIN NELSON & SONS, 275 N. Paulina street, Chicago.

WANTED—Florist with some experience in growing stove plants; wages $10 per week. Address, with references, J. A. PETERSON, McHenry Ave., Westwood, Cincinnati, O.

WANTED—If E. H. Smith, formerly of Macomb, Ill., will send address to 5 9 Eddy St., Fort Scott, Kan., he will hear something to his advantage.

WANTED Young man for general greenhouse work on commercial place; must be good on design work. Address, with references, age and salary, I R, care Eastern Office Am. Florist, 79 Milk St., Boston, Mass.

WANTED—A first-class manager for flower department. Good salary paid to experienced party. Apply by letter to M. A. FIEDLER, care A. B. Fiedler & Sons, 199 Adams street, Chicago.

WANTED—Young man, single, with some experience of rose and carnation growing, and general greenhouse work. Must be sober and industrious; references required. State experience and wages per month with board and room. H. L. CRUIKSHANK, St. John, N. B., Can.

WANTED—Two men, one for carnation section who can take charge of growing and propagating. One man for growing a section of American Beauties. We want only steady, sober men who can make a success. We expect to pay fair wages. GEO. M. KELLOGG, Pleasant Hill, Mo.

FOR RENT—Greenhouses and 14 acres of land with good dwelling and good water supply, without extra expense for rent. Enquire of T. H. WRIGHT & Co., Ft. Dodge, Ia.

FOR SALE—A profitable and growing florist business for sale at a very low price, with or without real estate. A great bargain. Address for particulars. ALMA S. PATTERSON, Fort Scott, Kan.

FOR SALE—Prosperous up-to-date retail florist business, complete, established 12 years; can show handsome profits. Engaged in another enterprise reason for selling. For full particulars address CHARLES H FOX, 21st and Columbia Ave., Philadelphia, Pa.

FOR SALE—In Ravenswood, Chicago, fine plant of greenhouses, 20,000 feet of glass, good house, 6 rooms and bathroom. All in good running order. Within one block of three lines of electric cars. A bargain. Address CHAS. E. NASLUND, 1829 Lincoln Av., Chicago.

FOR SALE—An old established florist business in Baltimore city, consisting of dwelling, greenhouses and cold frames fully equipped. Several large cemeteries adjacent. Entire property and business including large stock for spring trade is for sale. Death of former owner cause of sale. Address N. RUFUS GILL & SONS, 215 St. Paul street, Baltimore, Md.

$300 Per Month.

Do you want it? If so, buy me out NOW, at your own price. Good reasons. 15,000 feet. It costs you a postal card to have particulars.

C. S. FITZSIMMONS, Lansing, Mich.

For Sale at a Bargain

Greenhouses, 25,000 square feet of glass, all in good condition and paying well; within 20 miles of Chicago. Owner is going to retire from business. Address F S, care American Florist.

TRUSTEE'S SALE

—OF—

MORRIS FLORAL COMPANY

You are hereby notified that on **TUESDAY, April 1, 1902,** at 2 o'clock p. m., at the greenhouse of The Morris Floral Co., located at the city of Morris, Grundy County, Illinois, I will offer for sale and will sell at public auction, to the highest and best bidder, free of all incumbrance, all of the property both real and personal, belonging to the said estate. None of the property mentioned herein to be removed until the sale is confirmed by the Court, which confirmation will be had within a very few days after the sale.

The above property is located at a city of 1,500 population, 60 miles from Chicago on the Chicago, Rock Island & Pacific Ry. Six trains running to Chicago every morning, and product can be on the Chicago market at a very early hour of the day.

This property consists of 6 acres of land, 12 greenhouses having an area of 20,000 feet of glass, with a stock of carnations, lilies, geraniums, Asparagus Sprengeri, Asparagus plumosus, roses petunias, pansies and other plants usually found in greenhouses.

The greenhouses are steam heated, the heating apparatus being in good condition. The soil surrounding the greenhouses is unexcelled for raising plants.

Two neat cottages, also good barn and well with windmill are on the premises. If you are looking for an opening in the floral business you will certainly find a bargain in this place.

Any further information desired can be obtained from the undersigned trustee.

Terms of Sale—Fifteen per cent cash on day of sale, balance when sale is confirmed by the Court.

GEORGE W. ANDERSON, Trustee, Morris, Ill.

HEADQUARTERS FOR.....

Green Goods

Where you never get disappointed. We always have the stock on hand and of the best quality.

FANCY and DAGGER **Ferns,** $1.50 per 1000.

Discount on large orders.

BRILLIANT BRONZE AND GREEN GALAX, 75c per 1000 in 5000 lots. Satisfaction guaranteed.

SELECTED SOUTHERN WILD SMILAX, $4 and $7 per case. Also LAUREL FESTOONING, good and full, 4c, 5c and 6c per yard.

☞ Orders by Mail, Telephone or Telegraph promptly attended to.

HENRY M. ROBINSON & CO.,
32-34-36 Court Sq., BOSTON, MASS.

Wholesale Flower Markets

MILWAUKEE, Mar. 20.

Roses, Beauty, long, per doz.	3.00@ 5.00
" " med. "	1.50@ 2.00
" " short "	.50@ 1.00
" Liberty	6.00@10.00
" Bride, Bridesmaid	6.00@ 8.00
" Meteor	6.00@ 8.00
" Golden Gate	6.00@ 8.00
" Perle	6.00@ 8.00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00@ 2.50
Violets	.50@ .75
Lily of the valley	4.00
Daffodils	3.00@ 4.00
Freesias	2.00
Tulips	2.00@ 3.00
Adiantum	.75@ 1.00
Smilax	18.00@20.00
Asparagus	65.00
Common ferns	.25

PITTSBURG, Mar. 20.

Roses, Beauty, specials	40.00@50.00
" " extras	20.00@30.00
" " No. 1	10.00@15.00
" " No. 2	3.00@ 6.00
" Bride, Bridesmaid	3.00@12.00
" Meteor	2.00@ 4.00
Carnations	1.00@ 4.00
Lily of the valley	2.00@ 4.00
Violets	.20@ .75
Harrisii lilies	8.00@15.00
Romans, Paper Whites	1.00@ 3.00
Tulips	3.00@ 5.00
Lilac per bunch,	1.00@ 1.50
Sweet Peas	1.00@ 1.50
Smilax	12.50@15.00
Adiantum	1.00@ 1.50
Asparagus	50.00@75.00

CINCINNATI, Mar. 20

Roses, Beauty	20.00@40.00
" Bride	4.00@ 6.00
" Bridesmaid	4.00@ 6.00
" Meteor	4.00@ 8.00
" Perle	3.00@ 4.00
Carnations	1.50@ 3.00
Violets	.50@ 1.00
Harrisii lilies	15.00
Lily of the valley	3.00@ 4.00
Daffodils	3.00
Tulips	3.00@ 5.00
Romans, Paper Whites	2.00@ 4.00
Asparagus	50.00
Smilax	15.00
Adiantum cunestum	1.00
Common ferns	.20

ST. LOUIS, Mar 20.

Roses, Beauty, short stem	5.00@12.50
" " long stems	15.00@40.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	3.00@ 6.00
" Golden Gate	4.00@ 6.00
Carnations, ordinary	1.50
" choice	2.00@ 3.00
Violets	.40@ .75
Sweet peas	.50@ .75
Callas	10.00@12.50
Lily of the valley	3.00@ 4.00
Romans	1.50@ 2.50
Narcissi	2.50@ 3.00
Tulips	2.00@ 4.00
Smilax	12.50@15.00
Asparagus Sprengeri	1.00@ 1.50
" Plumosus	1.00@ 1.50

American Florists Ads

Always do business,
Week days and every day
Sundays and holidays,
All over the country,
At home and abroad.

The Most Important Thing

To consider in buying Cut **Easter Lilies** is quality, not the price. Poor Easter Lilies are dear at any price. As in former years we will again have A No 1 Easter Lilies. It is still too early to set a price on Lilies, but you may be sure that we will bill them at the right price, as we do with everything.

Of course you understand that we have everything in the flower line, such as Roses, American Beauties, Carnations, Valley, Violets (our violets are the finest grown), Smilax, Daffodils, Tulips, Sweet Peas, Romans, Paper Whites, Asparagus, etc., etc.

FAVOR US WITH YOUR EASTER ORDER.

HOLTON & HUNKEL CO., Milwaukee, Wis.

Frank M. Ellis,
WHOLESALE FLORIST,
1316 Pine Street, ST. LOUIS, MO.

CONSIGNMENTS SOLICITED.

H. G. BERNING
Wholesale Florist
1322 Pine St., ST. LOUIS, MO.

C. A. KUEHN,
Wholesale Florist,
1122 PINE STREET.
ST. LOUIS, MO.

A complete line of Wire Designs.

Pittsburg Cut Flower Co. Ltd
WHOLESALE FLORISTS.
Pittsburg, Pa.

The Cincinnati Cut Flower Co.,
416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

MICHIGAN Cut Flower Exchange,
WM. DILGER, Manager,
WHOLESALE COMMISSION.

Full line of Florists' Supplies and Decorations. Special attention to shipping orders.

26 Miami Avenue, DETROIT, MICH.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

GALAX BRONZE or GREEN

75 cents per 1000, in 2000 lots or over; single 1000, $1.00.

Also small Green Galax for Violets.

WILD SMILAX,

50 lb. case, $6.00. 35 lb. case, $4.50. 25 lb. case, $3.50.

PALM LEAVES, $1.50 and $2.00 per 100.
FERN, Fancy, $2.00 per 1000.
FERN, Dagger, $1.25 per 1000.

L. J. KRESHOVER.
110-112 W. 27th Street, NEW YORK CITY.
Telephone call, 597 Madison Square.

HARRY A. BUNYARD, Mgr.,
38 West 28th Street, NEW YORK.
Telephone, 798-799 Madison Sq.

RICE BROTHERS
WHOLESALE FLORISTS and FLORAL SUPPLIES.

Receivers and Shippers of Fresh Cut Flowers.

Special attention to shipping orders. A complete line of Florists' needs. Send for price list. Prompt returns on all consignments.

128 N. Sixth St. MINNEAPOLIS, MINN

CHOICE
LILY of the VALLEY
in large quantities, the finest that is grown, $4 and $5 per 100.

JOHN WOLF. SAVANNAH, GA.

Galax Leaves, Etc.

	Per 1000
Choice Bronze and Green, medium size	$ .50
Choice Bronze and Green, large size	.55
Choice Leucothoe Sprays	3.00
Choice Fancy and Dagger Ferns	.75
Choice Rhododendron Leaves	.50

Rhododendron Leaves for festooning, 50c per 1000
Largest dealer on earth. Cash with first order.
J. N. PRITCHARD, ELK PARK, N. C.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

Chicago Wholesale Cut Flower Association

E. C. AMLING,
Wholesale Cut Flowers
32-34-36 Randolph Street,
CHICAGO.

BASSETT & WASHBURN,
Wholesale Cut Flowers
76-78 Wabash Avenue,
CHICAGO.

BENTHEY & CO.
Wholesale Cut Flowers
35 Randolph Street,
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J. A. BUDLONG,
Wholesale Cut Flowers
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CHICAGO.

J. B. DEAMUD,
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51 Wabash Avenue,
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CHICAGO.

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Wholesale Cut Flowers
76 Wabash Avenue,
CHICAGO.

EASTER PRICE LIST.

(Adopted by the Association.)

		Per doz.
BEAUTIES, 30 to 40 inch stem	$5.00 to	$8.00
" 24 " "		4.00
" 20 " "		3.00
" 15 " "		2.00
" 12 " "		1.50
" 8 " "		1.00
" short "		.75
		Per 100.
BRIDES, MAIDS, METEORS, GATES, Special A Stock	$9.00 to	$10.00
BRIDES, MAIDS, METEORS, GATES, Select	6.00 to	8.00
BRIDES, MAIDS, METEORS, GATES, Good average	5.00 to	6.00
PERLES, fancy	6.00 to	8.00
" medium	4.00 to	5.00
LIBERTY, fine	10.00 to	15.00
ROSES, our selection	3.00 to	5.00
CARNATIONS, extra fancy	5.00 to	6.00
" fancy, good average	3.00 to	4.00
VIOLETS	.50 to	1.00
MIGNONETTE	3.00 to	4.00

Bulb Stock.

EASTER LILIES, select	$18.00 to	$20.00
" " seconds	10.00 to	12.50
CALLAS	12.00 to	15.00
TULIPS, double	4.00 to	5.00
" single, all colors	3.00 to	4.00
DAFFODILS, double, extra fine	3.00 to	4.00
DUTCH HYACINTHS	4.00 to	6.00
LILY OF THE VALLEY	3.00 to	4.00

Green Stock.

ASPARAGUS, Per string	$ .50 to	$ .75
" Sprays, Per 100	3.00 to	4.00
" Sprengeri, "	4.00 to	6.00
COMMON FERNS, Per 1000		3.00
" " Per 100		.30
GALAX LEAVES, Per 1000	1.00 to	1.50
SMILAX, extra heavy, Per 100	15.00 to	18.00
LEUCOTHOE SPRAYS, "		1.00
ADIANTUM, "	1.00 to	1.50
WILD SMILAX		Per case.
No. 1, 15-lbs.		$2.50
No. 2, 20-lbs.		3.25
No. 3, 25-lbs.		3.75
No. 4, 35-lbs.		4.50
No. 5, 40-lbs.		5.25
No. 6, 50-lbs.		6.00

KENNICOTT BROS. CO.,
Wholesale Cut Flowers
42-44 Randolph Street,
CHICAGO.

McKellar & Winterson Co.
Wholesale Cut Flowers
45-47-49 Wabash Avenue,
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JOHN MUNO,
Wholesale Cut Flowers
51 Wabash Avenue,
CHICAGO.

GEORGE REINBERG,
Wholesale Cut Flowers
51 Wabash Avenue,
CHICAGO.

PETER REINBERG,
Wholesale Cut Flowers
51 Wabash Avenue,
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WEILAND & RISCH,
Wholesale Cut Flowers
59 Wabash Avenue,
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51 Wabash Avenue,
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PLANTS FOR EASTER AND NOVELTIES IN RIBBONS

SAMUEL S. PENNOCK,
Wholesale Florist,
1612-18 LUDLOW ST., PHILADELPHIA, PA.

GEO. A. SUTHERLAND,
34 Hawley St., BOSTON.
Telephone 1270 Main.
BEST BOSTON FLOWERS. All Supplies.
An entire floor Devoted to Stock and Manufacturing. Distributing Agent for United States for the wonderful

"Koral" LETTER, unequalled for design work. Script, any color, 3½c a letter. Block letters, 1½c each. The most elaborate design work to order in a few minutes.

GENERAL AGENTS:
H. BAYERSDORFER & CO., Philadelphia.
REED & KELLER, New York City.

SPECIALTIES THIS WEEK:
Special American Beauty,
CARNATIONS,
Lily of the Valley, Violets.

CITY HALL CUT FLOWER MARKET
WELCH BROS., PROPS.
9 CHAPMAN PLACE,
15 PROVINCE STREET, **Boston, Mass.**

FOR
Easter

I shall have a splendid assortment of every variety of flowers needed by the retail trade, at prices that defy competition.

WRITE ME ABOUT IT.

J. K. ALLEN,
106 West 28th Street,
Telephone 167 Madison Sq. NEW YORK CITY.

N. F. McCARTHY & CO.
84 Hawley St., BOSTON,
ARE RECEIVING ELEGANT ROSES ALL VARIETIES.
DON'T YOU WANTSOME?
Tel. 734 and 64 Main.

Geo. M. Moss,
WHOLESALE FLORIST,
32 South 17th Street, PHILADELPHIA, PA.
Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.

Wholesale Flower Markets

BOSTON, Mar. 19.

Roses, Beauty, extra	25.00@50.00
" " medium	12.00@20.00
" " culls	6.00@ 8.00
" Bride, Bridesmaid, Meteor.	2.00@ 6.00
" extra	8.00@10.00
Carnations	1.00@ 2.00
" fancy	2.00@ 2.50
Lily of the valley	2.00@ 3.00
Violets	.15@ .50
Harrisii lilies	8.00@12.00
Freesia	1.00@ 1.50
Narcissus Paper White	1.00@ 1.50
" Yellow	1.50@ 3.00
Roman hyacinths	.75@ 1.50
Tulips	2.00@ 3.00
Callas	8.00@10.00
Adiantum	.50@ 1.00
Smilax	12.00@16.00

PHILADELPHIA, Mar. 19.

Roses, Tea	5.00@ 8.00
" " extra	10.00@12.00
" Beauty, extra	45.00@50.00
" " firsts	30.00@40.00
" Queen of Edgely, extra	75.00
" " " firsts	25.00
Carnations	1.00@ 3.00
Lily of the valley	4.00@ 5.00
Asparagus	25.00@50.00
Smilax	12.50@15.00

BUFFALO, Mar. 20.

Roses, Beauty	7.00@35.00
" Bride, Bridesmaid, Meteor	6.00@12.50
Carnations	1.50@ 4.00
Violets	.50@ 1.00
Lily of the valley	3.00@ 4.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.50

Give Us a Trial. We Can Please You

Roses, Carnations and all kinds of Seasonable Flowers in stock.
WM. F. KASTING, Wholesale Commission Florist,
481 Washington St., Buffalo, N. Y.
Dealer in Florists' Supplies and Wire Designs.
Open Day and Night.

Cut Harrisii Lilies.

I am growing the largest batch of lilies in New England. Have over 50,000 Harrisii besides plenty of Japans for Easter. Can supply blooms all the time from now till spring. Can fill orders for any quantity at an hour's notice.

H. N. EATON,
'Phone Connection. SO. SUDBURY, MASS.

MARKETING for flowers is a pleasure if done at the Headquarters of the
NEW YORK CUT FLOWER CO.
Here is the choicest stock of the most eminent growers, fresh every morning and in full variety. Goods selected and shipped to any part of the country. Always room for growers looking for an outlet for good cut flower stock.
DAILY REPORTS. WEEKLY PAYMENTS.
SALESROOMS { 55 & 57 West 26th St., NEW YORK CITY.
TELEPHONES: 2239 Madison Sq. 2034 Madison Sq.
J. A. MILLANG, MANAGER.

EUGENE BERNHEIMER
Wholesale Florist,
Phone 14269 A. 1604 Ludlow St., **Philadelphia.**
CONSIGNMENTS OF ROSES SOLICITED.

AMERICAN FLORIST ADS ALWAYS DO BUSINESS
Week days and every day, Sundays and holidays,
ALL OVER THE COUNTRY AT HOME AND ABROAD.

American Beauties. Carnations. Valley.

HIGH GRADE FLOWERS OF ALL KINDS.
LEO. NIESSEN, Wholesale Florist, N. W. Cor. Filbert & 13th St., Philadelphia.

Note the Smile of Satisfaction

When the consignor reads his returns the buyer opens a box of flowers From

JOHN I. RAYNOR, WHOLESALE COMMISSION FLORIST.

Telephone 1998 Madison Square — 49 W. 28th St., NEW YORK.

YOUNG & NUGENT

WHOLESALE FLORISTS 42 West 28th Street, NEW YORK,

Are shipping the finest Roses, Carnations, Valley, Orchids, Novelties, in the New York Market. ——Price List to Applicants.

TELEPHONE 2065 MADISON SQUARE.

Walter F. Sheridan,

Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Telephone Nos. 2239 and 2034 Madison Square.

MOORE, HENTZ & NASH

Wholesale Commission Florists,

55 and 57 West 26th St., NEW YORK CITY.

Adjoining New York Cut Flower Co. salesroom. Finest Salesroom in the Trade. Inspection Invited. All business, selling or shipping, strictly commission.

WHOLESALE WILLIAM GHORMLEY, COMMISSION

RECEIVER AND SHIPPER OF FRESH CUT FLOWERS. DAILY STOCK OF ALL THE CHOICEST VARIETIES FROM BEST GROWERS WHO SHIP TO NEW YORK.

ORCHIDS, ROSES, CARNATIONS, VALLEY.
Largest receiver of VIOLETS in America

Telephone 2200 Madison Square, 57 WEST 28th STREET, NEW YORK CITY.

JOHN YOUNG

Special American Beauties, Surpassing Carnations, Violets, Lily of the Valley, Orchids, and all Seasonable Flowers.

51 West 28th St., NEW YORK.
Tel. 1905 Madison Sq.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR

Violets and Carnations

GROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER,
30 West 29th St., New York.
Telephone 551 Madison Square.

FRANK MILLANG,

CUT FLOWERS,

WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange, NEW YORK.
Telephone 299 Madison Square.

ESTABLISHED 1872.

JOHN J. PERKINS,

COMMISSION FLORIST,

Solicits Consignments or Shipping Orders. Satisfaction given in both.

Write for Terms. 115 West 30th St., New York.

POPULAR WITH THE TRADE.
Therefore a profitable place to send your Flowers.

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Choice Carnations. Selected Roses.

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NEW YORK CITY,

38 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

NEW YORK, Mar. 19.

Roses, Beauty, select	30.00@40.00
" " medium	5.00@20.00
" " culls	1.00@ 3.00
" Bridesmaid, Bride, Meteor	2.00@ 6.00
" " " extra	6.00@10.00
" Liberty	1.00@ 4.00
" Liberty special	8.00@20.00
Carnations	1.00@ 2.50
Carnations, specialties	5.00@ 6.00
Violets	15.@ .50
Lily of the valley	1.50@ 3.00
Roman hyacinths	.75@ 1.50
Paper White narcissi, Freesia	1.00@ 1.50
Yellow narcissi	1.00@ 2.00
Callas	4.00@ 6.00
Sweet Peas	1.00
Tulips, single	1.00@ 2.00
" double	2.00@ 4.00
Lilac, per bunch	1.00
Harrisii lilies	6.00@ 8.00
Cattleyas	10.00@40.00
Mignonette	1.00@ 6.00
Smilax	10.00@15.00
Asparagus	25.00@50.00
" Sprengeri, per doz. bun.	2.00@3.00
Adiantum	.75@1.00

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50 W. 29th St.,

NEW YORK.

FORD BROS.

Receivers and Shippers of

FRESH FLOWERS.

Best Violets in New York market.

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Largest Grower of... in the West. Cut Flowers

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LONG DISTANCE 'PHONE AT EITHER PLACE.

Now in Season:
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LILAC,
SWEET PEAS and
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CUT FLOWERS AT WHOLESALE.

All Roses, Violets

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

J. E. NORTHRUP, Pres.; S. F. LEONARD, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

Twentieth annual convention, Twin Cities, Minn., June, 1902.

THE Wholesale Seedsmen's League held a meeting in New York city March 19.

H. W. BUCKBEE, Rockford, Ill., who had his leg and arm broken in falling down an elevator shaft some time ago, is improving slowly.

THE freesia crop prospects in Southern California are reported improved by recent rains; a larger proportion of small sized bulbs is expected.

FROM Oconto, Wis., come reports from 2,000 to 2,500 acres planted to Alaska peas and it is expected $30,000 will be paid this fall to farmers for the crops of this variety.

VISITING WASHINGTON:—Frank T. Emerson, H. H. Harries, J. E. Northrup, and representatives of other seed houses. The Department of Agriculture is considering bids for the supply of seeds for the coming year. Bids closed March 21.

Plan of Seed Distribution.

The following is the full text of Prof. B. T. Galloway's approved recommendations to the Secretary of Agriculture with regard to changes in the plan of free seed distribution:

WASHINGTON, D. C., February 28, 1902.

HON. JAMES WILSON, Secretary of Agriculture,

SIR:—I have the honor to submit herewith a statement setting forth certain changes which, in our judgment, would increase the value and efficiency of the work connected with the purchase, propagation and distribution of seeds, plants, etc., by the Department. In order to make this statement as concise as possible I have condensed the main points in the following paragraphs:

1. The work connected with the Seed and Plant Introduction and Congressional Seed Distribution to be in charge of one officer who shall report directly to the Chief of the Bureau. The adoption of this plan will enable us to considerably facilitate the work, as under the present system there is an increasing division of labor which makes it difficult to expedite business at certain times.

2. The Seed and Plant Introduction work to be conducted in such a way as to concentrate effort on a comparatively few crops and to continue work on such crops until their success or failure commercially is fully established. The work will cover not only the introduction of rare seeds and plants from foreign countries, but their further propagation and dissemination after being brought here. It will also include the bringing together and publishing of papers on matters pertaining to the work, the keeping of all records, etc. Wherever it is practicable to do so the growing and testing of seeds and plants introduced will be carried on in co operation with the Experiment Stations in the several states. The main object of this work is to build up new industries in the country, and for this reason the investigations will often lead into broad questions on various commercial matters. Thus, the introduction of macaroni wheat not only means successfully demonstrating that such wheat can be grown at a profit in certain sections of the country, but that it will find a market after being produced. Markets, therefore, must be created and manufacturers interested to the end that they will take the wheat grown and be able to make a commercial success of the products produced therefrom.

3. The Congressional Seed Distribution proper is to be conducted so as to confine it as closely as possible to new, rare and special seeds and plants, and the building up of agriculture and horticulture by demonstration experiments with the seeds and plants distributed. For the present, and for convenience only, the work may be divided into two classes; (a) the distribution of special seeds and plants such as forage crops, tobacco, cotton, sugar beets, cereals, etc., and (b) the distribution of miscellaneous vegetable and flower seeds secured as hereafter described. In the handling of the special seeds and plants due attention will be paid to the requirements of different sections of the country, and the crops will be so selected as to improve the conditions of the districts into which the seeds and plants are sent. A promising forage crop will be distributed in a section where knowledge of soil and climate indicate success and where the co-operation of a sufficient number of farmers can be obtained to make the work in a measure a demonstration experiment. The same plan can be followed with tobacco, cotton and the other special crops, particular attention being given to comparatively new things. In this connection the plant breeding work carried on by the Bureau can be brought into service in the matter of introducing and distributing the things obtained as a result of the plant breeding work. A careful system of record keeping will be established so that the benefit derived from the work can be followed.

In the miscellaneous distribution of vegetable and flower seeds the work will be so conducted as to gradually introduce new, or little known things, dropping them after the first or second year and allowing the demand created for them (if demand there be) to be supplied by the trade. The seedsmen of the country are constantly on the lookout for new things, and every year there is offered to the public varieties of vegetables and flowers which may have advantages over the older sorts in a number of ways. Our work may be so carried on as to aid in disseminating these novelties and specialties, taking care, of course, that nothing is sent out without some good claim to value and to newness. To determine this for ourselves, arrangements can be make with such of the State Experiment Stations as may be necessary to carry on co-operative tests of the varieties in advance of their distribution, thus making it possible to eliminate the things that give little promise of value. The novelties secured and sent out should, in our judgment, be distributed under the name of the introducer, first because credit of this kind should be given, and second for the reason that it will at once be a guarantee and a protection to the Department, for no reputable firm can afford to have anything go out that may injure its standing in the trade.

It is believed that the best interests of the work will be subserved by adopting a different method of securing the miscellaneous seed. Instead of placing this whole matter in the hands of a contractor it is believed that better results will be obtained by the Department securing the seed in the open market and arranging through a contractor for its packeting, assembling and other work connected therewith. To carry out this plan to the best advantage the country should be divided into districts according to climatic requirements, and certain assortments adapted to those districts should be distributed therein. Aside from the benefit derived from each district getting the things best suited to it, the plan will do away with the necessity of having to secure such large quantities of a variety, thus enabling the Department to decrease the families and increase the number of varieties. As an adjunct to this work the Department will broaden its variety testing experiments to include not only all the seed sent out, but such of the novelties and specialties offered by the trade in their catalogues as it is practicable to secure in the open market. This work will not only be carried on in the gardens at Washington, but as already indicated, a part will be done at certain of the State Experiment Stations as well. In the matter of vitality tests it is believed that better results will be obtained by doing away with arbitrary standards and adopting a plan whereby the requirements will represent the average condition of the particular kind of seed concerned in the open market. Thus, instead of requiring lettuce to have a vitality of 90 per cent or more, the variety in question should be required to show a vitality equal to samples of the same thing grown under as nearly the same conditions as possible and purchased in the open market.

Believing that the foregoing plan, which touches only the main points, will materially advance the work, and trusting that the same meets with your approval, I remain,

Very respectfully,

(Signed) B. T. GALLOWAY, Chief of Bureau.

Approved: (Signed) JAMES WILSON.

In Quantity **Murillo Tulips** Double Pink.

J. B. Deamud

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Prices as adopted by Chicago Wholesale Cut Flower Association.

We shall have the very finest lot of

Send Us Your ORDERS

Roses, Carnations, Lilies, Tulips,

and other Stock for Easter.

New Crop

Clematis Paniculata, trade pkt., 10c; oz., 50c; per lb., $5.
Centaurea Imperialis, mixed, trade pkt., 10c; oz., 50c.
" " separate colors, td. pkt., 15c; oz., 70c.
Asparagus Sprengeri, per 100 seeds, 25c; 1000 seeds, $2; 5000 seeds, $8.
Cosmos, Giants of California, trade pkt., 10c; oz., 25c.
Cycas Stems, (Sago Palm,) per 10 lbs, $1; 25 lbs., $2.25; 100 lbs., $8; case 350 lbs., $25.60.

Johnson & Stokes, 217 and 219 Market St., **Philadelphia, Pa.**

NEW LATE CABBAGE "HOUSER."

The largest Hard-heading, Fine Grained, Smallest Hearted, Distinct Round, Late Cabbage known. Gardeners will do well to give it a trial.

Mr. J. M. Lupton, the noted cabbage specialist says: It is entirely distinct and keeps over the winter better than any other kind.

Packet, 10c; Oz., 50c; 1-4 Pound, $1.50; Pound, $5.50, postpaid.

Catalogue free for asking.

H. L. HOLMES, Seedsman, HARRISBURG, PA.

20,000 lbs., KLEIN-WANZLEBENER SUGAR BEET SEED.

$10.00 per 100 lbs. American Germination test 98 per cent. F. o. b. Detroit or Windsor.

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in either stiff or flexible cover. ADDRESS ORDERS TO

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Long BEAUTIES

(30-40 INCHES, $5.00 TO $6.00 PER DOZ.)

We shall have large supplies of extra high grade Long Beauties for Easter and are in a position to say that we can fill orders of any size. State your requirements and we will do the rest.

E. C. AMLING,

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4 Washington Street, CHICAGO

Send for weekly price list and special quotations on 1000 lots.

American Florist Advts.

Reach all the Trade.

Wholesale Flower Markets

CHICAGO, Mar. 21.

Roses, Beauty,	30 to 36-inch stems	4.00
" "	24 " "	3.00
" "	20 " "	2.00
" "	15 " "	1.50
" "	12 " "	1.00
	6 to 8 " "per 100	4.00@6.00
Bride, Bridesmaid		4.00@ 8.00
" Meteor		3.00@ 8.00
" Perle		3 00@ 6.00
" Golden Gate		3.00@ 8.00
Carnations		1.00@ 4.00
Violets		.75@ 1.00
Lily of the valley		3.00@ 4.00
Callas, per doz		1.25@1.50
Tulips		3.00@ 4.00
Romans, Paper Whites		2.00@ 3.00
Adiantum		1.00@ 1.50
Common ferns	per 1,000 $2 50	.30
Galax leaves, per 1000	$1.00	.15
Smilax	per dozen 1.25@ 1.50	

FANCY DAGGER

HARDY CUT FERNS

At The Following Prices

In 1,000 lots	$1.50 per 1000
In 5,000 lots	1.40 "
In 10,000 lots	1.30 "
In 25,000 lots	1.25 "

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THE "OLD RELIABLE,"

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LILY of the VALLEY

FOR EASTER.

The finest quality in unlimited quantities. Fine Valley Pips for Forcing. Write for Prices.

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American Florist Advts. Always Sell Stock.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
R. C. BERCKMANS, Pres.; R. J. COE, Vice-Pres.
GEORGE C. SEAGER, Rochester, N. Y., Sec'y.
Twenty-seventh annual convention, Milwaukee, Wis., June, 1902.

THE Luke Brothers Company has been incorporated at Chicago with a capital stock of $25,000.

THE Utah Nursery Co., of Salt Lake City, is fighting the condemnation proceedings of the Rio Grande Western Railway, which seeks a right of way through its nursery grounds.

IT is reported that the zero weather of January, following a mild mid-winter, has resulted in a poor showing of buds of peaches, plums, cherries and even apples in Missouri, Tennessee and Georgia.

St. Paul.

TRADE VARIABLE BUT GOOD ON THE WHOLE. —FINE PROSPECTS FOR EASTER.—OTHER NOTES.

Trade has its ups and downs, up one day and down the next, though on the whole it has been most favorable. The weather, which has been extremely warm, changed suddenly cold on Saturday and the mercury hovers near the zero mark, with a strong northwest wind blowing at a forty mile gate. There is a good supply of seasonable stock in the growers' hands for Easter and every indication points to extremely good sales. Lilies are fairly plentiful, with a good supply of spiræa, hydrangeas, roses, azaleas and so forth. Cut flowers will be in good supply and prices will be moderate unless severe weather should prevail.

Holm & Olsen have purchased glass, intending to erect two or three greenhouses the coming season.

R. C. Seeger has opened a flower counter in a department store here.

FELIX.

CHAMPAIGN, ILL.—Work is being pushed rapidly forward on the new I. C. R. R. greenhouses and they will soon be ready to be stocked with spring bedding plants.

MILWAUKEE, WIS.—Robert W. Schenck, who came here from California, has purchased a tract of land on State street, near the cemetery and plans to erect a large range of greenhouses.

Clematis.
Strong field-grown, 2 and 3 year plants, 30c to 35c each; $1.00 per dozen.
H. P. ROSES from 4-inch pots, own roots, $1.00 doz.; $10 per 100; 12 kinds.
PAEONIAS, Choice named collection. Diatiect named kinds and colors, $1.50 per doz.; $10 per 100.
F. A. BALLER, BLOOMINGTON, ILL.

Violets.
I have rooted runners of my select strain of Marie Louise Violets at $4.00 per 1000. Rooted runners of Imperial Violet, $1.00 per 100.
John Bronner, 301 Beecher St., Syracuse, N.Y.

Baby Primroses
(PRIMULA FORBESI).
Rooted Cuttings; 75c per 100, $6.00 per 1000; out of 4-in. pots in full bloom, $1.00 per doz. Cash please.
HENRY EICHHOLZ, Waynesboro, Pa.

Import Freight Agents Delaware, Lackawanna & Western Railroad Co. at New York, N. Y.
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Rhododendron Maximum AND Kalmia Latifolia
The two best native Evergreen Shrubs for out-of-door ornamentation. Furnished by car load lots or in smaller quantities. Send for prices, also Special Rhododendron circulars. VINCA MINOR—10,000 3-inch clumps for sale cheap. Fine lot of general nursery stock.
EASTERN NURSERIES, M. M. Dawson, Mgr. **Jamaica Plain, Mass.**

OAKS 10,000 Pin, Scarlet, Red, White, Willow-leaved, English and Turkey, 4 to 10 feet.
MAPLES.
100,000 Norway, Sugar, Sycamore and Silver Leeved, all sizes.
Catalogue on application. Send estimate of wants for prices.
THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.

NEW STRAWBERRIES. It don't pay to grow anything but the best. Mrs. Mark Hanna, a GIANT among large berries. Mark Hanna has yielded over two hundred bushels to the acre at one picking. Send for wholesale list.
MARK T. THOMPSON, Originator, Rio Vista, Va.

ESTABLISHED 1802
THORBURN'S SEEDS
A Few Left

	Per 100	1000
LILIUM SPECIOSUM MELPOMENE, large size, 9 to 11-inches	$8.50	$80.00
LILIUM AURATUM, LARGE SIZE, 9 to 11-inches	8.00	75.00

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

SHADE TREES, Etc.

	Per 100	1000
Sugar Maple 8 to 9 ft.,	$10	
Sugar Maple 6 to 7 ft.,	7	$60
Sugar Maple 4 to 5 ft.,	5	40
Sugar Maple 3 to 4 ft.,	3	25
Sugar Maple 1½ to 2½ ft.,	2	15
Tulip Poplar (Liriodendron) 6 to 8 ft.,	15	
American Beech 4 to 6 ft.,	5	40
White Day Lily (F. Alba), crowns	5	
Hemerocallis Dumortieri, earliest	2.50	
" Flava, mid-season	2.50	
" Thunbergii, latest	2.00	18
Double Tiger Lily, strong bulbs	2.50	
Single " " " "	2.00	18
Eulalia Gracillima	2.00	18
Linnæus Rhubarb, true, best, crowns	1	8
Madeira Vine, strong	2	

Well packed and in cars. Cash with order.
E. Y. TEAS, CENTERVILLE, IND.

B. W. DIRKEN,
Oudenbosch, Holland.
ORNAMENTAL AND FOREST TREES A SPECIALTY.
Conifers, Evergreens, Hollies, Etc.
Prices on Application.
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Tuberose Bulbs
MEDIUM SIZE.
Sound, well cured, roots, 3 to 4-inch:
At Chicago $5.00 per 1000
At New York 4.50 per 1000
VAUGHAN'S SEED STORE NEW YORK. CHICAGO.

Park Architects and Dealers
will find whatever they want in the
Holland Nurseries, DeBilt near Utrecht
HOLLAND.
SPECIALTIES ARE: Conifers, Evergreens, Hardy Shrubs, Lilacs, Ornamental Trees, Fruit Trees in different forms, Azaleas, Rhododendron Ponticum and Hybridum.
Please send list of your wants and write for general catalogue. We will make you special offers. Write to
GROENEWEGEN & ZOON,
De Bilt, near Utrecht, Holland.

RHODODENDRONS "MTN."
Seedlings, $10.00 per 1000.
Choice plants..6 to 10 in., 75c per 10; $5 00 per 100
" " 12 to 18-in., $1.50 per 10; 12.50 per 100
Special prices on large lots. Cash with first order.
Rhododendron Leaves for festoonings, 50c per 1000
AZALEAS, Yellow, Pink and Red or Flaming, sizes and prices same as Rhododendrons.
J. N. PRITCHARD, ELK PARK, N. C.

WRITE, TELEGRAPH, TELEPHONE—WE DO THE REST.

ON WIRE WORK WE DISCOUNT OUR OWN and EVERY OTHER LIST.

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WHOLESALE COMMISSION FLORISTS

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LET US FIGURE on YOUR NEEDS in ROOTED CARNATION CUTTINGS.

Give Us Your

Easter Order

.....NOW.....

and rest assured of getting what you want. We have a record for filling orders when others fail.

We Represent more Glass than any other House in Chicago.

California,

We have some choice Hybrid Carnation Seed from Lawson, Crane, Marquis, Cloud and Maceo, 100 seeds 25c. New Giant of California Pansy seeds, very large flowers, trade packet 25c; 1 oz. $4. Giant of California Pansy Plants, ready to transplant, $2.50 per 1000.

MITTING FLORAL COMPANY,
LOOMIS, CALIFORNIA.

... LILIES ...

Will probably be scarce with you and you will want some fine **BOSTON FERNS** for Decorative Plants. Write

GEO. A. KUHL, PEKIN, ILL.,
for them in 5, 6 and 7-in., also Specimen Plants in 8 and 10-in.

LILIUM HARRISII.

As reliable stock as is produced on the Island, raised, crop-rogued, inspected, and packed by a grower always on the ground.

We offer this (V) brand of Harrisii as averaging the most reliable stock exported. Orders placed now can be supplied, late ones could not be filled last year and may not be this. Write for prices on 5 to 7, 7 to 9, and 9 to 11.

White Roman Hyacinths.

12 ctms. and upward, being the whole crop above the 12 ctm. size, no 13 to 15 ctms. being taken out.

159,000 of this grade imported by us the past season proved very satisfactory and we offer 1902 crop of same, confident that this grade contains the best value possible for the price, which is made for early orders. Remember the size contains all the bulbs in the crop above 12 ctms. and up to 16 ctms. Write for prices.

N. B.—Our usual percentage of extra early deliveries will be made.

Vaughan's Seed Store, CHICAGO. New York.

Please mention the American Florist when writing.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 79 Milk St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At New York.

Following are the scores made by the New York bowlers last Monday:

Player	1st	2d	3d	4th
Lang	200	211	208	193
Haffner	159	156	163	141
Siebrecht	191	159	132	130
Mansfield	158	139	172	132
Smith	154	149	172	115
Elliott	166	118	136	96
Shaw	148	123	129	129
Traendly	141	150	147	120
Bunyard	175	149	167	133
Taylor	106	110	103	102

At Chicago.

The contests Tuesday evening, March 18, were the last in the series of sixty games for which a sewing machine was offered as a trophy. Joseph Foerster was the winner, having participated in fifty-six games with an average just a fraction under 172. Following is the score for the last session:

ALL STARS.	1st	2d	3d	T'l
C. W. Scott	151	115	128	394
Kneip	110	96	124	330
J. Reardon	161	138	94	393
J. Wilson	130	107	123	360
Clifford Pruner	112	124	134	370
Total	664	580	603	1847

RETAILERS.	1st	2d	3d	T'l
P. J. Hauswirth	133	151	161	448
J. Huebner	157	105	135	397
E. Hauswirth	102	117	144	363
W. Kreitling	130	106	137	373
Geo. Asmus	178	156	126	460
Total	700	638	703	2041

WHOLESALERS.	1st	2d	3d	T'l
Jos. Foerster	180	173	203	556
Ed. Benthey	151	190	135	476
John Sterrett	159	133	134	426
Chas. Hughes	118	128	145	391
E. F. Winterson	188	170	157	515
Total	796	794	774	2364

GROWERS.	1st	2d	3d	T'l
Geo. Stollery	168	149	162	479
F. Matti	148	157	157	462
J. P. Sinner	137	219	156	512
C. Schafer	169	144	132	445
Fred Stollery	153	184	156	493
Total	775	853	763	2391

At Flatbush.

Thursday evening, March 13, the bowling club had as visitors W. W. Edgar and W. J. Stewart, from Boston. The scores recorded were as follows:

Player	1st	2d	3d
E. Dailledouze	151	154	
Riley	210	171	183
H. Dailledouze	130	147	
P. Dailledouze	137	115	
Edgar	117	95	118
Reunie		78	111
Wocker	144	102	158
Schmutz	152	134	136
A. Zeller	134	151	121
Raynor	156	137	156
Stewart	98	85	134

Washington.

GOOD PROSPECTS FOR NEXT WEEK'S TRADE. —EVERYONE HAS STOCK.

Everybody is making preparations for the Easter trade. There will be plenty of Lilium longiflorum, hyacinths, tulips, hydrangeas, Crimson Rambler roses and lilacs, in the plant line, and roses, carnations and violets promise to be plentiful. A. Gude & Brother will have a fine stock. Two houses of Kaiserin Augusta Victoria will be in full blast by March 25.

F. H. Kramer has a large batch of Lilium longiflorum in bloom, also a number of Crimson Rambler roses.

J. R. Freeman is cutting a fine lot of carnations, violets and roses, also lilies, narcissi, hyacinths and tulips.

P. G.

BEVERLY, MASS.—B. Larcom has leased a new store at the corner of Cabot and Liberty streets and will open on April 1 one of the best equipped establishments in this county.

Retailers Attention **BRANT & NOE,** Forest Glen, Chicago, Rose Specialists, careful selectors and packers of Roses, would like 3 more first-class retail florist customers. Have pleased patrons nine years straight. Can and will please you.

Please mention the American Florist when writing.

VIOLET Plants in Pots for . . . . . EASTER

Prices on Application.

JAMES A. HAMMOND, 113 West 30th Street, NEW YORK.

TELEPHONE 854 MADISON SQUARE.

CUT ADIANTUM

ANY QUANTITY, VERY FINE, $1.00 PER 100.

All Kinds of Greens for Easter.

Easter Flowers in full Assortment.

Holton & Hunkel Co., Milwaukee, Wis.

Order BOOK OPEN NOW FOR ALL CHOICE **Easter Stock.**

LONGIFLORUMS, BEST IN BOSTON MARKET.
POT PLANTS OR CUT BLOOMS.
SPECIAL VIOLETS, DAFFODILS, LILY of the VALLEY, TULIPS, CALLAS, CARNATIONS and ROSES. A FULL LINE of EASTER BASKETS.

Geo. A. Sutherland 34 Hawley St. Boston, Mass.

EASTER FLOWERS

EASTER SUPPLIES

---SEND YOUR ORDERS---

DIRECT TO

McKellar & Winterson Co.

45-47-49 Wabash Ave.

CHICAGO.

For Easter Prices kindly refer to official price list of the *Chicago Wholesale Cut Flower Association* in this paper.

ORDER DIRECT FROM US.

RIBBONS, SILK CORDS

Please mention the American Florist when writing

Caladium BULBS

(SOUND)

	Per 100
5 to 7-inch	$ 3.00
7 to 9-inch	4 50
9 to 12-inch	8 00
12 inches and up	16.00

VAUGHAN'S SEED STORE, CHICAGO. NEW YORK.

Please mention the American Florist when writing.

VERBENA KING

Rooted Cuttings now ready. Express prepaid. 100 1000
Verbenas, named, $ .60 $5.00
Daisies, white and yellow 1.00 8.00
Heliotrope, 12 var. 1.00 6.00
Smilax, strong plt. 1.50
Salvias, 4 best vars. named, Rooted Cuttings 1.00 8.00
Big Boston and Plumosus in 4-inch pots, write.
That cash or C. O. D.

C. Humfeld, Clay Center, Kas.

Please mention the American Florist when writing.

BULBS...

Before placing your Order for Fall Bulbs, write us for Prices.

WALTER MOTT SEED & BULB CO.

108-110 E. SECOND ST., JAMESTOWN, N. Y.

SMILAX.

Seedlings, 30c per 100; $2.50 per 1,000; 2-inch, $1 per 100; 3-inch, strong, $3 per 100; 200 Asparagus Plumosus, 2½-inch, $3 per 100. German Ivy, large plants, $1 per 100. Cash Please.

MRS. GRISWOLD, Worthington, Ohio.

SPECIALTIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery,
CHRYSANTHEMUMS,
SMILAX, VIOLETS.

In Best Varieties

Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.

Rochester.

BUSINESS BRISK.—MANY SOCIAL AND MORTUARY EVENTS CALL FOR GOOD MATERIAL.—MANY AZALEAS GROWN.

Flower trade for the past week was again rather brisk, owing perhaps to an unusually heavy demand for funeral work, though quite a number of dinner and luncheon decorations assisted materially in using up the better grade of stock. Retail prices for ordinary grades are lower than they have been at any time this winter, but select stock holds its own and is not over-plentiful. For the past three years we have had no wholesale dealer here. The growers sell direct to the retailers and the latter are obliged to obtain a daily additional supply from out of town. Good roses, especially, are scarce in our vicinity.

Easter stock looks very promising in nearly every establishment. Flowering plants of all description will be very plentiful. Looking over the immense stock of azaleas in different places, it seems quite impossible to dispose of one-half the quantity in a city like ours. A very fine lot of Primula obconica of bright colors and densely covered with flowers, in 7-inch pots, has made its appearance in the market.

The E. R. Fry Company has moved to more commodious quarters further up the street, on the corner of East Main and Clinton avenue North. The new store is much lighter than the old stand and looks more cheerful with the abundant display of flowering plants exhibited in the windows. J. B. K.

LENOX, MASS.—Peter Fisher's Gov. Wolcott carnation was awarded a certificate of merit at the March 1 meeting of the horticultural society. On March 15 J. K. M. L. Farquhar delivered a lecture on "Darkest Russia."

CARNATIONS

ROOTED CUTTINGS, Strong Healthy Stock.

The following at $12.00 per 100; $100.00 per 1000: Viola Allen, Stella, Alba, Jos. H. Manley, Mrs. Potter Palmer, Apollo, Harry Fenn, Dorothy Whitney.

The following at $10.00 per 100; $75.00 per 1000: Golden Beauty, Challenger; Mrs E. A. Nelson, Cressbronk, Gaiety.

The following at $6.00 per 100; $50.00 per 1000: Gov. Roosevelt, Prosperity, Lorna, Norway.

Queen Louise, $5 per 100; $40 per 1000.

Mrs. Lawson, $4.50 per 100; $40 per 1000.

Morning Glory and Mrs. G. M. Bradt, $3.00 per 100; $25.00 per 1000.

Lizzie McGowan and Wm. Scott, $1.50 per 100; $12 00 per 1000.

THE COTTAGE GARDENS,
QUEENS, L. I., N. Y.

For Exchange

500 good strong Rooted Cuttings Prosperity for same number Lawson.

Address FLORIST, 232 State St., New Haven, Conn.

The Sensational New Rose for 1902.

MRS. OLIVER AMES.

For description, prices, etc., see Trade List.

Henry A. Trask, Editor of "North American," says in a letter dated Feb. 19th, 1902. The box of roses arrived safely last Saturday afternoon. Please accept my thanks. To my mind they are the realization of the ideal. Yours very truly, H. A. TRASK, Editor.

$100.00 IS OFFERED IN PRIZES for Cut Flowers of this Rose at Madison Square Show next fall.

CHRYSANTHEMUMS Some new European varieties of sterling merit, the stock of which we control for the American Market, and also all the cream of last year's new European varieties, and all the New American varieties of this season's introduction; for those contemplating growing for the shows next fall the above will prove winners.

CARNATIONS **All the New and Standard Varieties.** My catalogue describing the above will be mailed to those not having received it, by sending a postal card to

JOHN H. MAY, Summit, N. J.

CARNATION CUTTINGS

Well Rooted, Clean Healthy Stock.

	Per 100	Per 1000		Per 100	Per 1000
PROSPERITY	$5.00	$35.00	FLORA HILL	$1.50	$ 9.00
NORWAY	4.00	35.00	WHITE CLOUD	1 50	9.00
LAWSON	3.50	30.00	TRIUMPH	1.50	9.00
CRANE	1.50	9.00	SPORT (Guardian Angel)	1.50	9.00
AMERICA	1.50	9.00	MARQUIS	1.50	9.00

QUEEN LOUISE, $4.50 per 100; $40.00 per 1000.

All Rooted Cuttings sold under express condition that if not satisfactory when received they are to be returned immediately, when money will be refunded.

WIETOR BROS., 51 WABASH AVENUE, CHICAGO.

Wholesale Growers of Cut Flowers.

Carnation Cuttings...

Well rooted, from clean, healthy stock, cool grown.

	Per 100	Per 1000		Per 100	Per 1000
ROOSEVELT	$6.00	$50.00	CRANE	$2.00	$17.50
PROSPERITY	5.00	45.00	GENEVIEVE LORD	1.50	12.50
NORWAY	4.50	40.00	WHITE CLOUD	1.50	12.50
LAWSON	4.00	35.00	TRIUMPH	1.50	12.50
LORNA	3.50	30.00	MME. CHAPMAN	1.25	10.00
EGYPT	3.00	25.00	FLORA HILL	1.25	10.00
MORNING GLORY	2.50	20.00	PERU	1.25	10.00

WE SOLICIT YOUR ORDERS AND WILL GUARANTEE SATISFACTION.

GRAND RAPIDS VIOLET CO., Grand Rapids, Mich.

Carnation Floriana

We believe this to be the best pink carnation introduced to date, was disseminated in the spring of 1901 by originators, Messrs. Fillow & Banks. Price, $6.00 per 100; $50.00 per 1000. 50 at 100 rate, 500 at 1000 rate. Less than 50, 8c each.

DAILLEDOUZE BROS. Carnation and Chrysanthemum Specialists, FLATBUSH, BROOKLYN, N. Y.

American Beauties

From 2x3-in. Rose Pots, **$6.00 per 100; $50.00 per 1000.**

JOSEPH HEACOCK, WYNCOTE, near Philadelphia, PA.

Good Easter Lilies.

WE ARE receiving and can ship for Easter or earlier, the same high grade of Lilies that has given so much satisfaction to those who have bought from us during the last three years.

All are guaranteed longiflorums. In prices we are prepared to meet competition. Price the same in pots or as cut blooms. Careful packing.

Send orders at once. You will buy cheaper than by waiting till the last moment. All other seasonable cut flower stock to suit every demand.

Watch for announcement of our opening Spring Plant Auction Sale, which will take place on April 4th.

Wholesale Cut Flower and Supply Dealers. Horticultural Auctioneers.

N. F. McCarthy & Co.

84 Hawley St., Boston, Mass.

=SEED PACKETS=

LITHOGRAPHED IN COLORS

We carry in stock eight hundred varieties of Flower and Vegetable Designs for Seed Packets, and issue a catalogue in colors.

BRETT LITHOGRAPHING CO.

Art Lithographers.

409=411=413 Pearl Street,
NEW YORK, U. S. A.

Established 1844.

Montreal.

CLUB HOLDS AN IMPORTANT SESSION.—GOVERNMENT GRANT LIKELY.—BUSINESS QUIET.—VARIOUS NOTES.

The Gardeners' and Florists' Club held a good meeting March 10 The report of the special committee appointed to interview the government was quite satisfactory and a grant of the Department of Agriculture is likely to be received by the club. A new hall for our meetings was rented at last. In the hall previously looked for, no smoking being allowed, it was not the right place for gardeners or florists and was dropped of course. C. A. Smith was presented with a gold watch, the trophy won three times by him at our chrysanthemum show.

The weather is on the thawing side, giving trouble in delivery. Business in general is inclined to be quiet, with a plentiful stock of flowers, bringing the prices low. Daffodils, double and single, are not paying this year. Carnations are good and plentiful. Roses, violets and lily of the valley are the cut flowers mostly demanded.

Montreal was tramped all over by the eighteen Dutchmen of the "Statendam." Bulb culture must be a paying business, judging from the endless list of travelers.

Geo. Robinson assumed his new duties on March 1. We heartily wish to the new firm Hall & Robinson the success they deserve.

S. S. Bain is cutting the best Bride and Bridesmaid roses I have ever seen.

G. V.

NORTH PARISH, MASS. — Frank Leith and Wm. McDonald have leased the greenhouse of C. N. Hoyt on Primrose street.

Ivory

or White Golden Gate.

The Best White Rose

$6.00 PER 100.
27.50 PER 500.
50.00 PER 1000.
Ready Now.

W. A. Hammond

107 E. Broad St., Richmond, Va.

Please mention the American Florist when writing.

NEW CARNATIONS.

	Doz.	100	1000
CRESSBROOK	$1.50	$10.00	$75.00
ENQUIRER	3.00	12.00	100.00
FAIR MAID	2.00	10.00	75.00
GAIETY	1.50	10.00	75.00
J. H. MANLEY	2.00	12.00	100.00
HARRY FENN	2.00	12.00	100.00
VIOLA ALLEN	2.00	12.00	100.00
NORWAY		6.00	50.00
FLORIANA		6.00	50.00
ALBA	2.50	12.00	
STELLA	2.50	12.00	
DOROTHY WHITNEY	2.50	12.00	
APOLLO	2.50	12.00	

Also other new and standard varieties.

Chrysanthemums. We offer all of the new varieties of 1902; also the best of 1901. A large number of last year's novelties and leading standard varieties ready now, from 2½-inch pots.

Send for list. Correspondence solicited

H. WEBER & SONS, Oakland, Maryland.

CARNATION CUTTINGS

All the new and standard varieties, free from rust and all other diseases. Our stock is in fine shape and all cuttings are well rooted when sent out.

	Per 100	Per 1000
HIGINBOTHAM	$12.00	$100.00
MRS. POTTER PALMER	12.00	100.00
PROSPERITY	4.00	30.00
NORWAY	5.00	40.00
IRENE	3.00	25.00
LAWSON	3 00	25.00
BON HOMME RICHARD	3.00	25.00
HOOSIER MAID	3.00	25.00
CRANE	1.25	10.00
THE MARQUIS	1.25	10.00
GENEVIEVE LORD	1.25	10 00
ARGYLE	1.00	7.50
GUARDIAN ANGEL	1.25	10.00
FRANCES JOOST	$ 1.00	$ 7.50
CERISE QUEEN	1.00	7.50
ETHEL CROCKER	1.25	10.00
TRIUMPH	1.25	10.00
FLORA HILL	1.25	10.00
WHITE CLOUD	1.00	8.00
PERU	1.00	7.50
AMERICA	1.25	10.00
MRS. L. INE	1.50	12.50
MRS. BRADT	1.75	15.00
ARMAZINDY	1.25	10.00
EVANSTON	1.00	7.50
ESTELLE	5.00	40.00

ROSE PLANTS.

2½-in. pots.	Per 100	Per 1000
BRIDESMAID	$3.00	$25.00
BRIDE	3.00	25.00
KAISERIN	3.00	25.00
PERLE	$3.00	$25.00
GOLDEN GATE	3.00	25.00

ROOTED ROSE CUTTINGS.

	Per 100	Per 1000
BRIDESMAID	$1.50	$12.50
BRIDE	1.50	12.50
GOLDEN GATE	$1.50	$12.50
PERLE	1.50	12.50

All Plants and Rooted Cuttings sold under express conditions that if not satisfactory when received they are to be returned immediately, when money will be refunded.

Write for prices on large quantities.

Peter Reinberg, 51 Wabash Ave., Chicago

ROSES...

Orders taken for a limited amount of the following:

BRIDES, Rooted Cuttings	$1.50 per 100;	$12.50 per 1000	
MAIDS, " "	1.50 "	12.50 "	
METEOR, " "	1.50 "	12.50 "	
AM. BEAUTY, 2½-inch pots	6.00 "	50.00 "	

All cuttings to be rooted to order and wood taken from highest grade, strong stock.

SOUTH PARK FLORAL CO., NEW CASTLE, IND.

AMERICAN BEAUTY ROSES.

First crop now ready. Strong plants from 2½-in. pots, **$6.00 per 100; $50.00 per 1000.**

Our young plants of American Beauty are exceptionally fine this year, and we extend a cordial invitation to intending planters to inspect our stock. Orders booked now for Spring delivery and will be filled in rotation.

ROBT. SCOTT & SON, Sharon Hill, Del. Co., Pa.

Please mention the American Florist when writing.

Am. Beauties

ROOTED CUTTINGS

READY APRIL 1.

$25.00 PER 1000.

This stock is free from spot, thoroughly rooted and first class in every respect. If not satisfactory or just as represented by us you can return same at once.

J. A. BUDLONG, 37 and 39 Randolph St., CHICAGO, ILL.

SPLENDID STOCK FOR EARLY PLANTING.....

3½-inch Bridesmaids, $5.00 per 100; $45.00 per 1,000. Rooted Cuttings, Brides and Bridesmaids $1.50 per 100. Cash please.

ALBERT F. AMLING, Maywood, Ill.

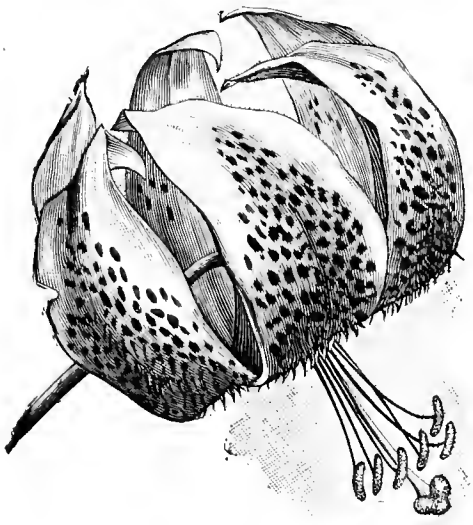
ROOTED CUTTINGS

2½-inch.

Brides ..... $15.00 per 1000
Bridesmaids ..... $15.00 per 1000

Good clean stock.

C. S. FOOTE, Downers Grove, Ill.



DREER'S SUMMER FLOWERING BULBS

We have fine stocks of the following, all of which are useful for store sales and for growing on for summer cut flowers.

LILIES.

	Per doz.	100
Auratum, 8 to 9-inch bulbs	$ 75	$5.00
" 9 to 11 " "	1 00	7 50
" 11 to 13 " "	1.75	14.00
Krameri rose color	1.00	6.00
Spec. album, 8 to 9-inch bulbs	.75	5.00
" " 9 to 11 " "	1 00	7.00
" roseum, 8 to 9 " "	.75	5.00
" " 9 to 11 " "	1.00	7.00
" rubrum, 8 to 9 " "	.75	5 00
" " 9 to 11 " "	1.00	7.00

BEGONIAS.

Single, in separate colors	.40	3.00
" mixture	.35	2.50
Double, in separate colors	.65	5.00
" mixture	.50	4.00

CALADIUMS.

Esculentum 6 to 8-inch bulbs	.40	3.00
" 8 to 10 "	.65	5.00
" 10 to 12 "	.90	7.00

GLADIOLUS.

All selected first size bulbs.	Per 100	1000
White and light shades mixed	$1.75	15.00
Scarlet and crimson shades mixed	1.00	8.50
Yellow shades "	2.50	23.00
Striped and variegated "	2.00	18.00
Pink "	1.25	12.00
New Giant (Childsii) "	2 50	22 00
Groff's Hybrids "	2.75	25.00
American Hybrids, all colors	1.25	10 00

DAHLIAS.

All strong, field-grown roots.		Per 100
Double Cactus, latest novelties, set of 14	3 00	
" " 1901 " " 8	1 50	15.00
" " 1900 " " 12	1.00	8.00
" Decorative varieties, " 20	1.60	8.00
" Show " " 12	1.00	8.00
" Fancy " " 12	1.00	8.00
" Quilled " " 6	.50	8.00
" Pompon " " 12	1.00	8.00
Superb single, " " 10	.85	8.00

AMARYLLIS.

	Per doz.	Per 100
Formosissima	$ .30	$2.00

GLOXINIAS.

Superb mixed, per 1000, $35.00	.50	4.00

HYACINTHUS.

Candicans (Cape Hyacinth)	.30	2.00

ISMENE.

Calathina	1.50	12.00

MADEIRA VINES.

Strong roots	.30	2.00

MILLA.

	Per doz.	Per 100
Biflora	.35	2.50

MONTBRETIAS.

Crocosmiæflora	.15	1.00
Six choice named sorts	.25	1.75

TIGRIDIAS.

Conchiflora, Pavonia, Grandiflora alba	.30	2.00

TUBEROSES.

	Per 100	Per 1000
Double Pearl, selected bulbs	1.00	9.00
" " second size bulbs	.60	5.00

HENRY A. DREER. 714 CHESTNUT ST., PHILADELPHIA, PA.

CARNATIONS

Well Rooted and Healthy.

	Per 100	Per 1000
PROSPERITY, white overlaid with pink	$6.00	$50.00
GOV. ROOSEVELT, crimson	6.00	50.00
QUEEN LOUISE, white	4.00	40.00
BON HOMME RICHARD, white	4.00	30 00
IRENE, pink	4.00	30.00
TRIUMPH, pink	2.00	15.00
WHITE CLOUD, white	2.00	15.00
THOS. W. LAWSON, pink	4.00	35.00
MARQUIS, pink	2.50	20.00
G. H. CRANE, scarlet	2.00	15.00
AMERICA, scarlet	2.00	15.00
MRS. BRADT, variegated	2.50	20.00
GUARDIAN ANGEL	1.75	15.00

MICHAEL WINANDY,
DEVON AVE. AND NORTH ROBEY. **CHICAGO.**

"If you are still looking for a PROFITABLE"
HIGH GRADE
White Carnation
Don't fail to call and see, or investigate the
Gov. Wolcott.

Orders booked now will be filled in strict rotation, commencing Jan. 1st, 1902, and as fast thereafter as stock is ready. Rooted Cuttings from sand, $10 per 100; $40 per 500; $80 per 1000.
Send P. O. Money Orders on Norwood, Mass.

Peter Fisher, Ellis, Mass.

CARNATIONS

Rooted Cuttings of all the new 1902 and best standard varieties. Send for price list.

WILLIAM SWAYNE,
BOX 226. KENNETT SQUARE, PA.

Imported Bulbs for Florists' Forcing for the Coming Season.

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 Spiræa** are unexcelled.

Bulbs secured from us will be subject to careful inspection and approval on arrival, and if in any way unsatisfactory, will be made good at once.

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 shipments and large importations supply half our profits.

Write for Prices before closing any forcing stock orders.

VAUGHAN'S SEED STORE,
14 Barclay St., New York.
84-86 Randolph St., Chicago.

Watch This Space
FOR FUTURE BARGAINS.

JOHN BROD,
349 West North Avenue, CHICAGO, ILL.
Greenhouses, Niles Center, Ill.

Fifty Thousand Rooted Rose Cuttings

Brides, Maids, Perles, Golden Gates and Meteors, $1.25 per 100; $10.00 per 1000.
Guaranteed good stock or money refunded.

Fostoria Floral Co., Fostoria, O.

SUCCESSFUL SELLERS

are the successful growers who advertise in

THE AMERICAN FLORIST.

Toronto.

WEATHER BRINGS STOCK ALONG AT A GOOD PACE.—ROSES OFF CROP.—VARIOUS NOTES.

The continuous bright weather has caused the laggards in the plant line to keep moving and from present indications there will be plenty of flowering plants for all. Funeral work has caused general activity and stock has consequently shortened up considerably. Roses are a little off crop and unless we have very favorable weather from now on there will undoubtedly be a shortage for Easter. White carnations are scarce. Violets are showing the effect of warm weather but other stock is mostly improving.

Grobba & Wandrey are bringing in some nice pots of lily of the valley. These are planted in a special pot resembling a 6-inch pan and find ready sale.

Thos. Plumb, who formerly had charge of the cut flower department at Simpson's, has opened a store on Yonge street.

Dunlop's are showing a window of white lilac and Lawson carnations which is attracting considerable attention.

H. G. D.

HALIFAX, N. S.—James H. Harris was instantly killed on the railroad by the Montreal Express on Friday, February 28. Mr. Harris was a gentleman of sterling worth and enjoyed the confidence and esteem of his fellow-florists and fellow-townsmen in a degree such as few men are honored with. The funeral took place on Sunday, March 2. Deceased was a brother of Fred. L. Harris, of Wellesley, Mass.

All The Best **CARNATIONS**

Cressbrook (pink), Oriole (scarlet), Mrs. Nelson (pink), $1.50 per doz.; $10 per 100.

Mrs. Palmer (scarlet), Mrs. Higinbotham (salmon pink), Alba (large white), Stella (variegated), Dorothy Whitney (yellow), Apollo (scarlet), $2.00 per doz.; $12.00 per 100.

	Per 100	Per 1000
Estelle, Best Scarlet	$5.00	$40.00
Norway, Large White	5.00	45.00
Prosperity, Fancy	6.00	45.00
Queen Louise, White	5.00	45.00
Dorothy, Productive Pink	5.00	45.00
Morning Glory, Lt. Pink	2.50	20.00
Marquis, Largest Pink	2.50	20.00

Fine stock of rooted cuttings of above and twenty-five other kinds. Get our prices on what you need.

GEO. HANCOCK & SON,
GRAND HAVEN, MICH.

50,000 Rooted CARNATION CUTTINGS

to dispose of yet; all well rooted and free from disease.

	Per 100	Per 1000
Queen Louise	$5.00	$40.00
Flora Hill, Daybreak	1.25	10.00
Crane, America, Crocker	1.50	12.00
Lippincott, Melba	1.25	10.00
Lizzie McGowan	1.25	10.00
White Cloud	1.50	12.00

5000 BRIDESMAID ROSES, in 2½-inch pots, $2.00 per 100; $20.00 per 1000.

Special prices on large orders. Cash with order.

MERCER FLORAL CO.,
TRENTON, N. J.

ROOTED CUTTINGS

CARNATIONS.

	Per 100	Per 1000
MRS. POTTER PALMER	$12.00	$100.00
MRS. HIGINBOTHAM	12.00	100.00
PROSPERITY	4.00	30.00
NORWAY	5.00	40.00
IRENE	3.00	25.00
MRS. LAWSON	3.00	25.00
MARQUIS	1.25	10.00
G. H. CRANE	1.25	10.00
FLORA HILL	1.25	10.00
MRS. JOOST	$1.00	$6.00
WHITE CLOUD	1.25	10.00
EVANSTON	1.00	6.00
MRS. INE	1.25	10.00
WM. SCOTT	1.00	6.00
GENEVIEVE LORD	1.25	10.00
ETHEL CROCKER	1.25	10.00
GUARDIAN ANGEL	1.25	10.00
ARGYLE	1.00	6.00
AMERICA	1.25	10.00

ROSES.

	Per 100	Per 1000
METEOR	$1.50	$12.50
PERLE	1.50	12.50
BRIDE	1.50	12.50
BRIDESMAID	$1.50	$12.50
GOLDEN GATE	1.50	12.50

ROSE PLANTS from 2½-in. pots.

	Per 100	Per 1000
METEOR	$3.00	$25.00
PERLE	3.00	25.00
BRIDE	3.00	25.00
BRIDESMAID	$3.00	$25.00
GOLDEN GATE	3.00	25.00
KAISERIN	3.00	25.00

The above named stock is clean, well rooted and free from disease.

GEO. REINBERG, 51 WABASH AVENUE, **CHICAGO.**

ROOTED CUTTINGS of Carnations and Roses.

All Clean, Healthy Stock, Grown Cool.

CARNATIONS.

	Per 100	Per 1000
PINK VARIETIES.		
MRS. LAWSON	$4.00	$35.00
MARQUIS	3.00	25.00
MORNING GLORY	3.00	25.00
ETHEL CROCKER	2.00	12.50
MRS. F. JOOST	1.50	12.50
WHITE VARIETIES.		
NORWAY	5.00	40.00
WHITE CLOUD	1.50	12.50
FLORA HILL	1.50	12.50
RED VARIETIES.		
RED MRS. BRADT	2.50	20.00
G. H. CRANE	2.00	17.50
AMERICA	2.00	15.00
VARIEGATED VARIETIES.		
PROSPERITY	6.00	50.00
MRS. BRADT	2.50	20.00
MAROON VARIETIES.		
GEN. MACEO	1.50	12.50
YELLOW VARIETIES.		
GOLD NUGGET	3.00	25.00
ROSES.		
BRIDES, BRIDESMAIDS, METEORS	1.50	12.50
PERLES	2.00	15.00

Orders for less than 25 of one variety charged extra. All plants shipped from Hinsdale.

Bassett & Washburn,
STORE: 76 WABASH AVE.
GREENHOUSES: HINSDALE, ILL. **CHICAGO.**

ROSES Crimson Rambler, Climbing Clothilde Soupert.

Ramblers, 3 to 4½ ft., well branched... $10 per 100
" 2½ to 3 ft., " " ... 8 per 100
" 1½ to 2½ ft., " " ... 6 per 100
Soupert, strong field-grown plants..... 15 per 100

The Conard & Jones Co, West Grove, Pa.

SYLVIA A NEW WHITE CARNATION.

As a free and continuous bloomer it beats anything we have ever grown; flowers average 2½ to 3 inches in diameter. Rooted cuttings now ready, $8 per 100; $75 per 1000.

WOODFALL BROS., Glen Burnie, Md.

Mrs. Palmer

Certificated at Indianapolis, Montreal, St. Louis Chicago, Kansas City.

Absolutely the best scarlet carnation ever introduced. $12.00 per 100; $100.00 per 1000.

Mrs. Higinbotham

Certificated at Indianapolis, Chicago, Kansas City, St. Louis.

Promises to become the standard light pink; will stand in the same position as did Daybreak, ten years ago. $12.00 per 100; $100.00 per 1000.

Chicot

Large white faintly striped in midwinter; extremely fragrant; finest constitution; more profitable than any standard on our place last season and is doing even better now. $6.00 per 100; $50.00 per 1000.

Other Fancy Varieties

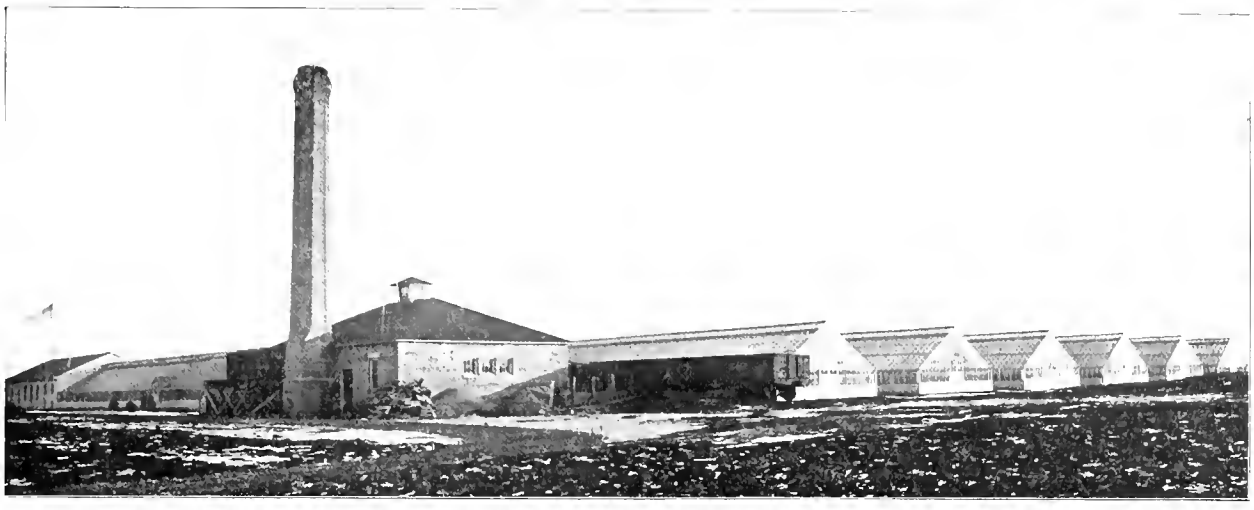
Some of which may be had from soil.

	Per 100	Per 1000
LAWSON, pink	$3.00	$25.00
BON HOMME, white	3.00	25.00
JOOST, pink	1.50	10.00
MACEO, crimson	1.50	10.00
PROSPERITY, variegated	4.00	30.00
HOOSIER MAID, white	3.00	25.00
WHITE CLOUD, "	1.50	10.00
GOV. ROOSEVELT, crimson	5.00	45.00
IRENE, pink	3.00	25.00
MARQUIS, "	2.00	15.00
ESTELLE, scarlet	5.00	45.00
CRANE, "	2.00	15.00
SUNBEAM, Lt. pink	3.00	25.00
G. LORD, pink	1.50	12.50
BRADT, variegated	2.00	15.00
AVONDALE	2.00	15.00
NORWAY	5.00	40.00

Chicago Carnation Co.
JOLIET, ILL.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns



CARNATION CUTTINGS

We are not compelled to cut prices, as our cuttings are the best and sell at sight. We guarantee stock "A1" or can be returned upon receipt and money will be refunded.

INTRODUCTIONS OF 1902.

	Per 100	1000
GOV. WOLCOTT, (Fisher), white,	$10	$80
STELLA, (Dorner), variegated,	12	100
MRS. E. A. NELSON, (Nelson), glistening pink,	10	80
$2.50 PER DOZEN.		
J. H. MANLEY, (Cottage Gardens), orange scarlet	12	100
H. FENN, (Cottage Gardens), crimson	$12	$100
VIOLA ALLEN, (Cottage Gardens), variegated,	12	100
VIOLANIA, (Cottage Gardens), variegated,	12	
CRESSBROOK, (Warburton), bright pink,	10	80
GAIETY, (Hill), variegated,	10	75

FANCY CARNATIONS.

	Per 100	Per 1000
PROSPERITY, variegated	$6.00	$50.00
MRS. G. M. BRADT, variegated	3.00	25.00
NORWAY, white	6.00	50.00
LORNA, white	5.00	40.00
WHITE CLOUD, white	2.00	15.00
MRS. T. W. LAWSON, pink	4.50	40.00
MRS. FRANCES JOOST, pink	2.00	12.50
IRENE, pink	5.00	40.00
MORNING GLORY, light pink	$3.00	$25.00
MARQUIS, light pink	3.00	25.00
MERMAID, light pink	3.00	25.00
GOV. ROOSEVELT, crimson	6.00	50.00
GEN. MACEO, crimson	2.00	15.00
ESTELLE, scarlet	6.00	50.00
G. H. CRANE, scarlet	2.50	20.00
GOLDEN BEAUTY, yellow	8.00	75.00
ELDORADO, yellow	2.50	20.00

All of our cuttings are well rooted and free from disease. Let us figure on your wants. Discounts on large quantities. BLOOMS SHIPPED FROM GREENHOUSES TO ALL POINTS ON SHORT NOTICE. SEND IN YOUR ORDERS. Upon application, we will mail our catalogue.

J. D. Thompson Carnation Co.,

JOLIET, ILLINOIS.

MENTION THE AMERICAN FLORIST.

FLORISTS' FLOWER SEEDS

VAUGHAN'S ASTERS.

"THE CARLSON" an improved Paeony-Flowered Aster, much liked in the Chicago market. White, pink or lavender, each, trade pkt, 25c, ¼ oz. $1.20.

		Trade pkt	¼ oz.	oz.
BRANCHING OR SEMPLE,	White.....pound, $8.00;	10	25	$ .75
" "	Rose pink.....	10	30	1.00
" "	Lavender.....pound, $12.00	10	30	1.00
" "	Red.....	10	35	1.20
" "	Purple.....	10	30	1.00
" "	Daybreak pink.....	10	25	.75
" "	Mixed.....pound, $6.00	10	20	.50
VAUGHAN'S NEW UPRIGHT WHITE BRANCHING, lb., $12.00		10	30	1.00
VAUGHAN'S NEW UPRIGHT PINK BRANCHING, lb., $12.00		10	30	1.00
QUEEN OF THE MARKET,	White.....			
" " "	Pink.....			
" " "	Scarlet..... } Each	10	20	.50
" " "	Light blue.....			
" " "	Dark blue.....			
" " "	Mixed.....	10	15	.50
ALYSSUM, Little Gem, extra fine strain...pound, $2.50		10	25	

ASPARAGUS PLUMOSUS NANUS, 100 seeds, $1.00; 250 seeds, $2.00; 1000 seeds, $7.50.
SPRENGERI, 100 seeds, 50c; 1000 seeds, $2.00; 5000 seeds, $8.50.
Write for prices on larger lots on above two kinds.

CANDYTUFT, New Giant Hyacinth-Flowered. This improved new strain is far superior to Empress. The flower-heads are of immense size, six inches long and about three inches across, resembling a Dutch Hyacinth. They are pure white, and furnish excellent material for cutting. Pound, $2.50; trade pkt., 10c; oz., 30c.

	Trade pkt.	Oz.
CENTAUREA Imperialis, mixed, all the following sorts.....	10	60
" **Alba,** pure white.....	10	85
" " **Armida,** lilac.....	10	70
" " Favorita, brilliant rose.....	10	70
" " Graziosa, dark lilac.....	10	70
" " Splendens, dark purple.....	10	70
" " Variabilis, white, fading to rose.....	10	70
PHLOX DRUMMONDI.		
Grandiflora, Stellata Splendens, white, scarlet, pink, crimson, striped.....each	10	60
Large Flowering, finest mixed.....	10	50

SWEET PEAS.

Our Sweet Pea Seed was raised by the most careful grower and is equal to the best in the country. We invite comparison.

Any of the following, per oz., 5c., except where noted.	¼ Lb.	Lb.	5 Lbs.
Blanche Burpee, very large white.....	10	25	$1.00
Blanche Ferry, pink and white.....	10	25	1.00
" " **extra early,** 10 days earlier.....	10	25	1.00
California, very soft "Daybreak" pink.....	10	30	
Captain of the Blues, purplish mauve.....	10	30	1.25
Countess, the New, clear lavender.....	10	25	1.00
Countess of Powis, orange suffused with purple.....	10	30	
Countess of Radnor, delicate lavender.....	10	25	1.00
Earliest of All, 8 days earlier than Ex. Early Blanche Ferry	15	30	1.50
Emily Henderson, white, early and free.....	10	30	
Her Majesty, beautiful rose, large.....	10	25	1.00
Hon. F. Bouverie, standard coral pink, wings slightly lighter	10	30	
Katherine Tracy, soft but brilliant pink.....	10	25	1.10
Lady Grisel Hamilton, best of all lavender sorts.....	15	40	
Lady Mary Currie, bright orange pink.....	10	30	1.25
Mrs. Eckford, delicate primrose yellow.....	10	30	1.35
Navy Blue, a new, deep violet-blue.....	15	50	
Prima Donna, soft pink.....	10	25	1.10
Prince of Wales, new, bright rose self.....	15	40	1.65
Sadie Burpee, new white, white-seeded.....	15	30	
" " " black-seeded.....	15	30	
Salopian, the best of all reds.....	10	25	1.10

VAUGHAN'S FLORISTS' MIXTURE.—This mixture, which is made up by ourselves from separate colors carefully proportioned, of the best cut-flower sorts and colors, is bound to give satisfaction. ¼ lb., 10c.; lb., 30c.; 5 lbs., $1.25. 10 lbs., $2.25.

NEW SWEET PEA—MONT BLANC.—Oz., 15c.; ¼ lb., 40c.; lb., $1.25; 2 lbs., $2.25; 5 lbs., $5.00.

	Tr. pk.	Oz.
COBÆA Scandens, purple.....lb $3.00,	10	25
DAISY, Burbank's New Shasta Daisy.....	25	
SMILAX, new crop.....lb., $3.00	10	30

MIGNONETTE, TRUE MACHET. Trade pkt., 10c; ½-oz., 25c; oz., 50c; 2-ozs., 75c; ¼ lb., $1.25.

NASTURTIUM.

	Oz.	¼-lb.	lb.
"VAUGHAN'S SPECIAL" Mixture of Tall Nasturtiums.....	$ .10	$ .20	$ .70
MME. GUNTHER'S HYBRIDS, true. .. ...10 lbs., $5.25...	.10	.20	.60
"VAUGHAN'S SPECIAL" Mixture of Dwarf Nasturtiums.....	.10	.20	.70

FOR OTHER FLOWER SEEDS SEE OUR "BOOK FOR FLORISTS." FREE ON APPLICATION.

10 per cent. Special Cash Discount on orders over $2.00 for Flower Seeds if the cash is enclosed.

VAUGHAN'S SEED STORE,

NEW YORK, 14 Barclay Street. 84-86 Randolph Street, CHICAGO.

GREENHOUSES: WESTERN SPRINGS, ILLINOIS.

The GUARDIAN ANGEL FLORIST, Chicago.

PRICE LIST of Rooted Carnation Cuttings.
NEW AND STANDARD VARIETIES.

The Guardian Angel is the best commercial pink carnation in the market to-day. It is a good keeper; its growth is strong and vigorous; it never bursts and is never off crop. Received 1st prize at Horticultural Exposition and first-class Certificate of Chicago Florists' Club for best pink. Rooted cuttings, $2.00 per 100, $15.00 per 1000.

NEW VARIETIES	Per 100	Per 1000
PROSPERITY, white overlaid with pink.....	$6.00	$50.00
QUEEN LOUISE, white.....	5.00	40.00
BON HOMME RICHARD, white....	5.00	40.00
IRENE, pink.....	5.00	40.00
GENERAL LIST		
FLORA HILL, white.....	1.25	10.00
WHITE CLOUD, white.....	1.25	10.00
MRS. LAWSON, pink.....	4.00	35.00
MARQUIS, pink.....	1.50	12.00
ESTELLE, scarlet.....	6.00	50.00
G. H. CRANE, scarlet.....	2.00	15.00
MRS. BRADT, variegated.....	2.50	20.00
ARMAZINDY, variegated.....	1.25	10.00

THE GUARDIAN ANGEL FLORIST,
401 Devon Avenue, Sta. Y. CHICAGO.
Please mention the American Florist when writing.

Well Grown ROSES.

Beautiful Young Stock, breaking at every eye. Will make Large Plants Early.....

	100	1000
Bridesmaids, Brides, 2x3 rose pots....$2.50		$22.50
Bridesmaids, Brides, rooted cuttings 1.50		12.00
Meteors, Golden Gates, rooted cuttings 1.50		12.00
Perle, rooted cuttings 2.00		15.00

All Select Two and Third-Eye Cuttings.

A few hundred 3-inch Kaiserins at $6.00 per 100.

Carnations. Marquis, Crane, Joost, Jubilee, Flora Hill, Armazindy, $1 25 per 100; Scott, $1 Write for prices on large orders.

W. H. GULLETT & SONS, Lincoln, Ill.
Please mention the American Florist when writing

50,000 CANNAS START NOW. Strong roots, two eyes and more, $4.00 per 100. Mme. Crozy, Florence Vaughan, Philadelphia, Paul Bruant, Golden Moon, Alsace, white, Duke of Marlborough, Alphonse Bouvier, Queen Charlotte, Alba Rosea, Italia, Martha Washington, $8 00 per 100. Pink Rosemawr, $8.00 per 100. Maiden's Blush, pink, $6.00 per 100. President McKinley, $6.00 per 100. Chas. Henderson, Burbank, Austria and Robusta Perfecta, bronze, $3.00 per 100. Fine mixtures for massing, $1.50 per 100.

Extra fine two year old **Crimson Rambler** for potting at once, 3 to 4-ft., 15c; medium 2 year old, 10c. **Santolina** lucana, stock plants, 4-in., 6c; rooted cuttings, $2 00 per 100. **Swainsonia** alba, 2½-in., $2.00 per 100. Rooted cuttings of **Carnations:** Ethel Crocker, Mrs. F. Joost, Genevieve Lord and Mack Richmond, red, $2.00 per 100; Wm. Scott, $1.00 per 100. Fall runners of **California Violets,** $1.00 per 100; Princess of Wales, $1.50 per 100; Lady Hume Campbell, $1.50 per 100. **Herbaceous Pæonias,** all colors, unnamed, 50 for $3 00; 100 for $5.00. **Clematis Paniculata,** 1 year, $4.00 per 100; 2 year, $6.00 per 100. Clematis Jackmani, Henryi and Mme. Andre, $2.50 per dozen. CASH PLEASE.

BENJ. CONNELL, WEST GROVE, PA.
Please mention the American Florist when writing.

BEGONIA GLOIRE DE LORRAINE,

2¼-inch pots, $15.00 per 100.

Write for prices on large lots. Stock guaranteed absolutely free from disease.

THOMAS ROLAND, Nahant, Mass.

500,000 VERBENAS.

60 finest named varieties, including our **NEW MAMMOTH WHITE, "MRS. McKINLEY."** The finest white verbena grown; perfectly healthy; free from disease. Rooted cuttings, 60c per 100; $5 00 per 1000. Plants, $2.50 per 100; $20.00 per 1000. Our list is the choice of millions of seedlings. Send for circular.

J. L. DILLON, BLOOMSBURG, PA.
Please mention the American Florist when writing.

CANNAS

Dormant Roots, 1 to 3 eyes.

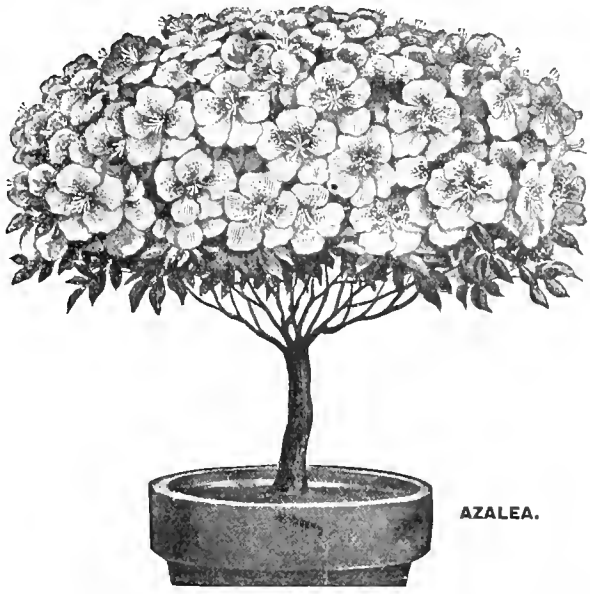
	Per 100	Per 1000
Africa.....	$6.00	
Allemania.....	2.50	$20.00
Alphonse Bouvier.....	3.00	
Alsace.....	4.00	
Asia.....	5.00	
Austria.....	2.00	15.00
Beaute de Poitevine.....	3 50	
Black Beauty.....	12.00	
Burbank.....	2.50	20.00
Captain Dragon.....	6.00	
Chas. Henderson.....	1.50	
Chevalier Besson.....	4.00	
Comte de Bouchaud.....	4.00	
Crimson Bedder.....	3.50	
Egandale.....	4.00	
Explorateur Crampbel.....	4.00	
Fair Persian.....	4.00	
Florence Vaughan.....	4.00	
Golden Bedder.....	3.00	
G. St. Hilaire.....	3.50	
Italia.....	1.50	12.00
J. T. Lovett.....	3.50	
La France.....	4 00	
Leonard Vaughan.....	6.00	
M. Laforcade.....	3 00	
Mlle. Berrat.....	4.00	
Mme. Crozy.....	4.00	
Mme. Molin.....	4.00	
Mme. Monteflore.....	2.00	15.00
Mme. Sallier.....	6.00	
Morning Star.....	2 00	15.00
Papa.....	4.00	
Paul Marquant.....	2.50	
Philadelphia.....	5.00	
Queen Charlotte.....	3.50	
Robusta.....	2.00	15.00
Rose Unique.....	4.00	
Secretary Chabanne.....	4.00	
Souv. de Antoine Crozy.....	5.00	
Mixed, all colors.....	1.00	8.00

Pot up Cannas now. Ask for our Special Spring Catalogue.

This offer is made subject to stock being unsold upon receipt of order.

BOBBINK & ATKINS,
RUTHERFORD, N. J.

Dreer's Special Offer of
AZALEAS & DECORATIVE PLANTS
FOR EASTER.



AZALEA.

Azaleas We are carrying a large stock of Azaleas in prime condition for Easter Flowering of nearly all the prominent varieties and can still include ten per cent of Mme. Van der Cruyssen if desired. As these plants can be shipped without risk of damage while in bud, we wish to impress the importance of early orders. We will not be responsible for injuries arising from late shipments when the buds are developed.

Bushy Crowns, 10 to 12 inches in diameter.....$5.00 per doz. $40.00 per 100
Bushy Crowns, 12 to 14 inches in diameter..... 6.00 per doz. 50.00 per 100
Bushy Crowns, 13 to 15 inches in diameter..... 9.00 per doz. 70.00 per 100

A fine lot of specimen plants of Mme Van der Cruyssen of good value at $2.00, $2.50 and $3.00 each.

PALMS Our Palm-stocks have never been in better condition. **Clean, Thrifty,** of **Good Color** and **Excellent Value.**

ARECA LUTESCENS.

		Per Doz.	Per 100
3-inch pots,	2 plants in a pot, 12 to 15 inches high.....	$ 1.25	$ 10.00
4-inch pots,	3 " " 15 to 18 "	3.00	20.00
		Each	Doz.
6-inch pots,	3 " " 28 to 30 "	1.00	12.00
7-inch pots,	3 " " 30 "	1.50	18.00
8-inch pots,	3 " " 30 to 36 "	2.50	30.00

KENTIA BELMOREANA.

		Each.	Per Doz.	Per 100
3-inch pots,	5 leaves, 12 to 15 inches high.....		$ 2.50	$20.00
4-inch pots,	5 to 6 " 15 to 18 "		4.50	35.00
6-inch pots,	6 " 24 to 28 "	$1.25	15.00	
6-inch pots,	6 " 28 to 30 "	1.50	18.00	
7-inch pots,	6 to 7 " 30 to 32 "	2.00	24.00	
7-inch pots,	6 to 7 " 34 to 36 "	2.50	30.00	
8-inch pots,	7 " 36 "	4.00	48.00	

8-inch pots, 3 to 4 plants in a pot, well furnished, 3½ feet high, $4.00 each.
5-inch pots, 4 plants in a pot, well furnished, 15 in. high, 60c each.

PHOENIX CANARIENSIS.

7-inch pots, 26 to 28 inches high, bushy stocky plants, each.....$1.75
8-inch pots, 28 to 30 " " " " 2.00
8-inch pots, 30 to 36 " " " " 2.50
12-inch tubs, 3½ to 4 feet high " " " 6.00
14-inch tubs, 4 to 4½ " " " " 7.50

KENTIA FORSTERIANA.

		Each.	Per Doz.	Per 100
3-inch pots,	5 leaves, 12 to 15 inches high.....		$ 2.50	$20.00
4-inch pots,	5 to 6 " 15 to 18 "		4.50	35.00
5-inch pots,	5 to 6 " 18 to 20 "		6.00	50.00
6-inch pots,	5 to 6 " 28 to 30 "	$1.00	12.00	
6-inch pots,	6 " 30 to 32 "	1.25	15.00	
6-inch pots,	6 " 34 to 36 "	1.50	18.00	
7-inch pots,	6 to 7 " 36 "	2.00	24.00	
8-inch pots,	6 to 7 " 42 "	2.50	30.00	
8-inch pots,	6 to 7 " 42 to 48 "	3.00	36.00	
9-inch pots,	6 to 7 " 48 "	4.00	48.00	
8-inch pots,	3 plants in a pot, 42 to 48 inches high..	4.00	48.00	

LATANIA BORBONICA.

3-inch pots, 5 to 6 leaves, 10 to 12 inches high... $1.00 per doz., $ 8.00 per 100
6-inch pots, 5 to 6 leaves, 14 to 16 inches high....$6.00 per doz., $50.00 per 100
6-inch pots, 6 " 18 to 20 " ....$9.00 per doz., $75.00 per 100

AUCUBA JAPONICA.

6-inch pots, bushy plants, 12 inches high, each, 25 cts., doz.....$2.50
7-inch pots, " 15 to 18 inches high, each, 40 cts., doz.....$4.50

BOXWOOD.

Standard or Tree Shaped, stems 24 to 28 inches high, crowns 15 to 18 inches in diam., each...$1.00
Pyramid Shaped, 3 feet high, 15 inches in diameter at base, each.....$2.00

FICUS ELASTICA.

4-inch pots, 10 to 12 inches high.....$4.00 per doz., $30.00 per 100
6-inch pots, 24 inches high.....$7.50 " $60.00 "

PANDANUS UTILIS.

Fine plants, 3-inch pots.....per doz., $1.00; per 100, $8.00
" " 4-inch pots..... " 2.00; " 15.00
" " 6-inch pots.....each, 60 cts.; per doz, 7.00

PANDANUS VEITCHII.

Fine plants, 6-inch pots.....each $1.00; per doz, $12.00

FERNS FOR FERN DISHES.

We carry at all times a large stock of Ferns suitable for filling Fern Dishes, etc., which can be supplied in choice mixture of our selection.

2¼-inch pots.....$3.00 per 100; $25.00 per 1000
3-inch pots.....$6.00 " $50.00 "
250 will be supplied at 1000 rates.

We are **Headquarters for Water Lilies and all Aquatic Plants, Largest Stock and Best Assortment of Hardy Perennial Plants in the country.** All are fully described and illustrated in our March to July Wholesale List which has just been distributed.

HENRY A. DREER,
714 Chestnut Street, PHILADELPHIA, PA.

Rooted Cuttings Alternanthera,

Strong, red and yellow, 50c per 100.

RANDOLPH BROS., DELAVAN, ILL.

American Florist Ads

Always do busines, week days and every day, Sundays and holidays, all over the country, at home and abroad.

AZALEAS, 10 to 12-in., 40 cents each; large plants, 50 cents. **CYCLAMENS,** 4-in., $8 per 100; **CYCLAMENS,** 5-in., $1.50 per dozen. **CINERARIAS,** 4-in., $8 per 100; **CINERARIAS,** 5-in., $1.50 per dozen. **HARRISII LILY PLANTS,** 10 cents per bud. **OBCONICA PRIMROSES,** 4-in., $1.00 per dozen. All the above are guaranteed right for Easter. **PANSIES,** large transplanted plants, 50c per 100; $3 per 1000.

WHITTON & SONS,
Corner City and Green Sts., UTICA, N. Y.

PANSY PLANTS THE FAMOUS Diamond Strain of large flowered Pansies, over 50 varieties mixed Fine, stocky, hardy, open ground, well rooted, seed-bed plants good as transplanted; some in bud. By express. $3.50 per 1000; $2.00 per 500. Cash with order.

L. W. GOODELL, Pansy Park, Dwight, Mass.

Please mention the American Florist when writing.

Orchids!

Our Illustrated and Descriptive Catalogue of Orchids is now ready and may be had upon application.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

Alternantheras P. MAJOR and A. NANA.....
Strong rooted cuttings, 50 cts. per 100, or $4.00 per 1000.
DAVIS BROS., MORRISON, ILL.

Please mention the American Florist when writing.

Cincinnati.

TRADE ACTIVE AND SUPPLIES SHORT OF THE DEMAND.—PLEASANT PROSPECTS FOR NEXT WEEK.—VARIOUS NOTES.

Business is first-class, with not near enough roses and carnations to fill orders. Bulbons stock, too, is moving better than at any time this season. The demand for flowers for St. Patrick's day was good. Our over-the-Rhine florists dyed a large number of carnations for this occasion, but the demand for green carnations was not extraordinary, consequently a good number were consigned to the barrel. The prospects for a big Easter business were never better and all the florists are busy getting stock ready. From present indications roses and carnations will be scarce. There will be enough lilies and bulbous stock to meet all demands.

Spring openings have been in order for the past two weeks and all the florists handling decorative plants have been busy accordingly. A. Sunderbruch's Sons handled eight decorations of this kind last week.

Jos. Goldman, of Middletown, was a caller this week. He reports business as very good and contemplates the erection of two new houses the coming summer.

D.

BARABOO, WIS.—The residence of M. F. Foley was damaged $5,000 by fire March 5. The loss was covered by insurance.

DAVENPORT, IA.—Mr. and Mrs. H. D. Campbell have welcomed a new flower into their home on Eastern Avenue in the shape of a ten-pound baby boy.

CARNATIONS.

Rooted Cuttings for latter March and April delivery.

	100	1000
QUEEN LOUISE	$4.00	$35.00
G. H. CRANE	1.50	12.00
ESTELLE	5.00	
ROOSEVELT	6.00	
ETHEL CROCKER	1.25	10.00
GENEVIEVE LORD	1.00	7.50
DOROTHY	5 00	40.00
PROSPERITY	4.00	30.00
CRESSBROOK	10.00	75.00

GERANIUMS.

Rooted Cuttings, March and April delivery.

A general assortment, standard and fancy sorts, single and double, all of them good. My selection of varieties, all correctly labeled at $1.50 per 100; $12.50 per 1000.

Jean Viaud, (rooted cuttings,) $3.00 per 100.
M. de Castelaine, (rooted cuttings,) $5.00 per 100.

BONE MEAL.

The very best brand in the market for florists' use, give me a trial order. 200 lb. bag, $3.50; per ton, $32 50. A little higher in price than some, a great deal better in results.

ALBERT M. HERR, LANCASTER, PA.

FANCY OR DAGGER FERNS $1.50 PER 1000

PRINCESS PINE, 7c per lb.

GALAX, green or bronze, 75c per 1000. Laurel festooning, 4c, 5c and 6c per yd. Once used, always used for decorating. SPHAGNUM MOSS, etc.

Telegraph Office
New Salem, Mass.

CROWL FERN CO., P. O. Millington, Mass.

Roses Brides, Maids and Golden Gates, 2½-inch stock in fine condition. $2.25 per 100; $18 per 1000. Ready for delivery.

West View Floral Co., Knightstown, Ind.

Carnation Cuttings

Perfectly Healthy. Propagated From Choice Stock. NOW READY.

Queen Louise.

The Best White Commercial Carnation, **$5.00** per Hundred; **$40.00** per Thousand.

	Per 100	Per 1000
PROSPERITY	$6.00	$50.00
MRS. THOS. LAWSON	4.00	35.00
GOV. ROOSEVELT	6 00	50.00
HOOSIER MAID	4.00	
IRENE	4.00	
NORWAY	4.00	
EGYPT	4.00	
MRS. BERTRAM LIPPINCOTT	3.00	25.00
MARQUIS	2.50	20.00
MRS. G. M. BRADT	3.00	
CHICAGO	3.00	
MACEO	2.00	
BUTTERCUP	4.00	
GOMEZ	$2.00	
CROCKER	1.50	$12.50
GENEVIEVE LORD	1.50	12.50
G. H. CRANE	2.00	15.00
VICTOR	2.00	
WM. SCOTT	1.50	12.50
DAYBREAK	1.50	12.50
ELDORADO	1.50	12.50
JUBILEE	1.50	12.50
FLORA HILL	1.50	12.50
TRIUMPH	1.50	12.50
PORTIA	1.50	12.50
WHITE CLOUD	1.50	12.50

J. L. DILLON, Bloomsburg, Pa.

CARNATION CUTTINGS.

We are in a position to supply strictly clean, healthy, well rooted Carnation Cuttings. All the novelties and standard sorts. Whatever your wants, let us quote prices before you place an order. We can interest you. Also on

Violet Plants

LADY CAMPBELL violets, sand rooted cuttings, $8 per 1000.

SWANLEY WHITE violets, sand rooted cuttings, $10 per 1000.

LADY CAMPBELL plants from 2-in. pots, $25 per 1000.

SWANLEY WHITE plants from 2-in. pots, $30 per 1000.

Remember that when it comes to

Wire Work

we can **Discount Any** list you ever saw, **Our Own** included. Write.

KENNICOTT BROS. CO.

WHOLESALE COMMISSION FLORISTS,

42-44 Randolph St., Chicago.

It is not much trouble to mention the AMERICAN FLORIST when corresponding with an advertiser.

HEADQUARTERS for EASTER PLANTS

BLOOMING EASTER WEEK.

I have the largest stock in Philadelphia; 7 large houses and some hot beds, are crowded with them. Secure your supply by ordering now.

AZALEA INDICA

As I am agent for a large concern in Belgium and being a large importer of these choice Easter plants, I can sell you these direct at first hand and not through a middleman. Mme. Van der Cruyssen is a rare article this Easter. I was fortunate enough to get all this variety in Belgium I wanted and can offer you plants at the following prices: 5-in. pots, 40c to 50c; 6-in. pots, very bushy and large, fine shape, $1.00; specimens 7 and 8-in. pots, $1.25 and $1.50 each; extra choice specimens, very large, can't be beat, 9 and 10-in. pots, $3 50, $4.00, $5.00 each. Other varieties of Azaleas, such as Bernard Andre Alba, (white), also other white, Princess of India, Prof. Wolters, and other varieties of my own selection, 6-in. pots, 50c, 60c, 75c, $1.00 each; larger plants from $1.25 to $1.50 each. Also 5-in. pots, 40c each.

Cineraria—I have an immense quantity, best colors, 5½ and 6-in. pots, $3.00 to $4.00 per doz.

Spiræa Compacta and Floribunda, perfect jewels, 5½ and 6-in. pots, $3.00 to $4.00 per doz

Hydrangea Otaksa, 6-in. pots, $3.00 to $4.00 per doz.; 7-in. pots, 60c, 75c and $1.00 each.

Begonia, Pres. Carnot, Metallica and other good varieties, 5½ and 6-in. pots, $3.00 to $4.00 per doz.

Begonia Vernon, very fine, red, large, 4-in. pots, $1.50 per doz. Other good mixed varieties, 4-in. pots, $1.20 per doz.

Daisies, (white), Marguerite, 5½ and 6-in. pots, very bushy, $3.00 to $4.00 per doz.

Yellow Daisies, 5½ and 6-in. pots, $3 to $4 per doz.

Lilium Harrisii, raised from Henry F. Michell's selected 7-9 bulbs, ($100 per 1000) fine plants, 6-in. pots, from 5 to 10 buds to a plant at the rate of 10c per bud. No Lilies sold by themselves—other plants must accompany the order.

Dracæna Bruanti, 6-in. pots, 25 inches high, very fine, 60c.

Dracæna Indivisa, (imported), very large for decoration, 7-in. pots, 75c to $1.00 each.

Hyacinths, my own importation, raised from the finest named bulbs, all colors, 4-in. pots, $10 a 100.

Tournesol Tulips, (double red and yellow striped), 3 in a pot, $1.50 per doz. pots. Belle Alliance, (single), scarlet striped, 3 in a pot, $1.75 a doz pots.

Daffodils, (Von Sion), 3 in a 5-in. pot, $1.50 to $1.75 per doz. pots.

Azalea Mollis, 6-in. pots, 50c each.

Cash with order please. Money can be sent safely by postoffice or express money order or bank draft. All goods shipped at purchaser's risk.

A few of many references:

Henry F. Michell, 1018 Market St., Philadelphia.
Thos. Logan, head gardener to W. L. Elkins, Jr., Ashbourne, Pa.
Geo. Huster, head gardener of the Girard College, Philadelphia, Pa.
Wm. Kleinheinz, head gardener to P. A. B Widener, Esq., Ogontz, Pa.

State whether shall ship plants in pots, or not, to save express charges.

Buyers coming to Philadelpha are invited to visit my place and inspect stock.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Pot Plants,

1012 Ontario Street, Philadelphia, Pa.

Boston Ferns

Fine, strong, young plants, $3.00 per 100; $27.50 per 1000.

Edwin Lonsdale, Wyndmoor, Chestnut Hill, Pa.

NOTICE **CRESSBROOK** NOTICE

CRESSBROOK CUTTINGS are all sold for March delivery, but will have 40,000 for April delivery. Large well Rooted Cuttings that will make First-class Blooming plants for next season, as Cressbrook is a Strong and Quick Grower. We have one house that was planted out of the cutting bed in May last, from which we started to cut a full crop of blooms the 17th of November and will continue to do so through the season. Order early, as orders will be filled in strict rotation at the following

PRICES---12 plants, $1.50; 25 plants, $3.00; 50 plants, $5.00; 100 plants, $10.00; 250 plants, $25.00; 500 plants, $37.50; 1000 plants, $75.00.

C. Warburton, Fall River, Mass.

JOSEPH HEACOCK

OFFERS THE FOLLOWING PALMS

They are home-grown, strong and healthy, free from insects and disease, and are of unusual good value at prices quoted.

ARECA LUTESCENS.

	Per doz.	Per 100	Per 1000
2-inch pot, 1 plant in pot, 10 to 12 inches high	$1.00	$ 5.00	$45.00
4 " " 3 plants " 15 "	3.00	25.00	
6 " " 3 " " 20 to 22 "	9.00	75.00	
6 " " 3 " " 24 to 26 "	12.00	100.00	
	Each.	Per doz.	
8 " " 3 " " 30 to 36 "	$2.50	$30.00	
10 " " 3 " " 42 to 45 "	5.00		

KENTIA BELMOREANA.

	Per doz.	Per 100	Per 1000
2½-inch pot, 3 to 4 leaves, 8 inches high	$1.50	$12.00	$100.00
3 " " 4 to 5 " 9 to 10 inches high	2.50	20.00	
3 " " 4 to 5 " 10 to 12 "	3.00	25.00	
4 " " 5 to 6 " 15 "	4.50	35.00	
4 " " 5 to 6 " 18 "	6.00	50.00	
	Each.	Per doz.	
6 " " 6 " 24 "	$1.25	$15 00	
6 " " 6 to 7 " 26 to 28 "	1.50	18.00	
8 " " 6 to 7 " 30 to 32 "	3.00	36.00	

KENTIA FORSTERIANA.

	Per doz.	Per 100	Per 1000
2½-inch pot, 4 leaves, 8 inches high	$1.50	$12.00	$100 00
3 " " 4 " 12 "	2.50	20.00	
4 " " 4 to 5 leaves, 15 "	4.50	35.00	
	Each.	Per doz.	
6 " " 5 to 6 " 30 "	$1.25	$15.00	
6 " " 6 " 28 to 32 "	1.50	18.00	
7 " " 6 to 7 " 30 to 36 "	2.00	24.00	
7 " " 6 " 36 to 42 "	2.50	30.00	
8 " " 7 " 42 "	3.00	36.00	

JOSEPH HEACOCK, Wyncote, Pa.

Minneapolis.

BUSINESS FAIR BUT PRICES NOT HIGH.—LILIES SCARCE.—GREEKS FROM CHICAGO INVADE TOWN.

Trade in a general way has been very good, but prices realized have been small. Carnations are plentiful and from $1 to $2 50 is the price. Meteors, Bridesmaids and Brides have been in good demand but the stock is of second quality mostly. Short-stemmed Beauties are abundant but from twenty-four inches up they are limited. There is a plenty of bulbous stock, excepting Romans, on the market. There will be a shortage on Harrisii on account of Easter's early arrival and stock not being far enough advanced to force in, while of other blooming plants there will be an abundance. From all indications business will be good. We have had very spring-like weather of late and a good many are afraid that cold weather is yet to come.

Rice Brothers are stocking more in supplies, and are carrying a full commercial line now.

A good many of the Greeks of Chicago are in the city looking up the flower business. C. F. R.

ALLENTON, PA.—The greenhouse of Aaron Bauder was burned to the ground on the morning of March 6.

GALENA, ILL.—Ben. Vandervate says that he has the best stock of Easter lilies which it has ever been his fortune to possess, although the experience of some other growers has been disheartening.

THE

MRS. E. A. NELSON

bids fair to become the **Commercial** standard pink carnation. It is an early, free and continuous bloomer and it is sure to do well wherever grown. Orders booked now for delivery latter part of March. For prices, see AM. FLORIST, Feb. 15.

E. A. NELSON,

3503 N. Senate Ave., INDIANAPOLIS, IND

CANNAS Burbank, Henderson, Mme. Crozy, F. Vaughan, P. Marquant, L. E. Bally, A. Bouvier, J. C. Vaughan, Erandale, Souv. de Antoine Crozy, in variety, started, $2 50 per 100.

ALTERNANTHERAS P. Major, red, R. C., 60c, postpaid. Pot plants, red, yellow, pink, $2 00 per 100.

BOSTON FERN 2½-inch, 3c; 3-inch, 8c; 8-inch, $1 00.

Begonias, flowering, in variety, 2½-in., 2½c.

Russelia Multiflora and Elegantissima 2½-in. 4c.

Vinca Major, strong, fine runners, 2-in., 3c. Cash.

A. J. BALDWIN, NEWARK, OHIO.

CHRYSANTHEMUMS READY NOW.

Strong plants, 2¼-in. pots, $3.00 per 100; $25.00 per 1000, of White Bonnaffon, Chadwick, Childs, Rieman. At $2.00 per 100; $15.00 per 100', Major Bonnaffon, Yellow Jones, Perrin, Ivory, Jerome Jones, Robinson, Lager, Maud Dean.

ROSES

from 2½-in. pots, Bridesmaid, $2.50 per 100; $22.50 per 1000. Bride, $2.50 per 100; $22.50 per 1000. Cash with order.

PAUL FISCHER, Wood Ridge, Bergen County, N. J.

FOR SALE Four large specimen plants, **LATANIA BORBONICA**, height and spread twelve feet, in 30x30x30-in. cedar boxes in good condition.

10 large green and variegated **ALOES**.
10 large variegated **YUCCAS**.
Can be sent by freight about May 1st.

JOHN RALPH, Saratoga Springs, N. Y.

Now For Easter.

Lakeview Special Offer

We are offering an exceedingly fine line of Easter plants.

LILIES in 6 in. pots, 3 to 9 flowers, $15.00 per 100, bud and bloom. Thoroughly hardened and in best possible condition for shipping.

HYACINTHS, assorted colors, 4-in. pots, $1.50 per doz.; 6-in. pans, 3 bulbs, $3.00 per doz.

NARCISSUS. In Von Sion and Trumpet Major, $3 00 per doz; Golden Spur, $3.50 per doz. Well filled in 6-in. pans.

TULIPS. All the best standard varieties, 6-in. pots at $3 00 per doz.

HYDRANGEAS in four sizes, strong and healthy, well flowered and highly colored, $1.00 to $2.50 each.

CRIMSON RAMBLERS, the finest in the country. We have them in quantity and in superb condition. The clusters of bloom are of fine color and very profuse. In four sizes, from $1.00 to $3 00.

RHODODENDRONS, extra fine plants with large trusses of flowers, thoroughly hardened for Easter shipping, in four sizes, from $1.00 to $3.00 each.

AZALEAS, all the finest commercial varieties, from $1.00 to $7.00 each.

Our Easter Plants

are in fine condition. Send us your orders. We guarantee prompt service and good stock. No charge for packing.

LAKEVIEW ROSE GARDENS, JAMESTOWN, N. Y.

THE GRANDEST NEW FORCING ROSE

Souvenir de Pierre Notting

The Best,
The Finest,
The Most
Free Blooming

of all Forcing ROSES, color deep yellow; will be distributed for the first time April, 1902

—BY THE RAISERS—

SOUPERT & NOTTING,

ROSE GROWERS.

LUXEMBOURG, (Europe).

Net price, $80.00 per 100; $1.00 each. Write for lithographs.

FAXON'S "WHITE HOUSE" PANSIES.

The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.

In Trade Packets at $1.00 each.

M. B. FAXON,

Lock Box 1528. BOSTON, MASS.

Correspondence solicited.

Geraniums in Bloom

Nutt, Poitevine, Riccard, Grant, Brunot, Doyle, in bloom, 3-in. pots $3.00; 2½-in. pots, $2.50 per 100. Pelargoniums in 2½-in. pots, $2.50 per 100. These are A 1 plants.

G. P. MOORE, OCEAN CITY, N. J.

Please mention the American Florist when writing.

Geraniums

Red, white, pink, salmon, rose, ivy and pelargoniums, in 2½ and 3-in., ready for shift; write

GEO. A. KUHL, Pekin, Ill.

100,000 Pansies.

The Jennings' Strain, extra fine plants, all transplanted, many are fringed and curled, strong plants, $4.00 per 1000, express; 75c per 100 mail. Large plants, $1.00 per 100, by express only. Stock the finest. Grown in cool houses. Seed, $1.00 per pkt. Cash.

E. B. JENNINGS, Lock Box 254, Southport, Conn.
Grower of the Finest Pansies.

Please mention the American Florist when writing.

EASTER STOCK

BOSTON FERNS.

In pans, grown the way you like them, full, bushy, compact stock, ready for your counter trade.

	Each	Doz.	100
12-inch pans	$4.00	$40.00	
10-inch pans	3.00	30.00	
9-inch pans	2.00	20.00	
8-inch pans	1.50	15.00	
7-inch pans	1.00	10.00	
6-inch pans	.75	8.00	$60.00
5-inch pans	.50	5.00	40.00
4-inch pots		2.50	20.00
3-inch pots		1.50	10.00
2½-inch pots		.60	5.00

ASPARAGUS PLUMOSUS NANUS.

Fine bushy stock in large quantity.

	Doz.	100	1000
5-inch pots	$4.00	$30.00	
4-inch pots	2.00	15.00	
3-inch pots	1.00	8.00	$70.00
2½-inch pots	.60	5.00	40.00

ARAUCARIA EXCELSA. A Big Bargain.

5-inch pots, 18 to 20 inches high, 4 to 6 whorls, each, 75c; dozen, $9.00.

PANDANUS VEITCHII. Very fine colored.

5-inch pots	each,	$1.00
6-inch pots	"	1.50
7-inch pots	"	2.00
8-inch pots	"	2.50

FICUS ELASTICA (Rubber Plant).

7-inch pots, 36 inches high, very fine stock, $9.00 per dozen.

PHŒNIX CANARIENSIS.

Fine bushy plants, 8-inch pots, 36 inches high, each, $2.50; dozen, $24.00.

LATANIA BORBONICA. Fine stock.

5-inch pots	per dozen,	$1.00
6-inch pots	"	5.00
8-inch pots, fine specimens	each,	1.75

KENTIA BELMOREANA.

6-inch, 5 to 6 leaves, 28 to 30 inches high, dozen, $18.00.

KENTIA FORSTERIANA.

7-inch, 5 to 6 leaves, 36 to 40 inches high, each, $2.00. Many other sizes in Kentias. See our Book for Florists.

GENISTAS.

5 and 6-inch pots, fine bushy plants, full of buds and flowers, per dozen, $6.00.

CRIMSON RAMBLER ROSES.

7 and 8-inch pots, in fine shape and flower for Easter sales, $3.00 to $5.00 each.

HYDRANGEAS.

7-inch pots, in bud and flower, bushy stock, per dozen, $8.00.

GERANIUM JEAN VIAUD.

The finest of all geraniums. Handsome bushy plants in 5-inch pots, showing from 2 to 4 flower spikes ..... per dozen, $6.00
3-inch pots ..... per 100, 8.00
2¼-inch pots ..... per 100, 5.00

SPIRÆA

JAPONICA, COMPACTA and GLADSTONE, 6-inch pans, fine bushy stock, will be in flower for Easter, per dozen, $4.00.

RHODODENDRONS

In flower, assorted sizes, in white, pink and lavender colors, $1.50 to $3.00 each, according to size of plant.

ROOTED CARNATION CUTTINGS.

Why not get the Best? They are the Cheapest.

You don't have to buy 200 to have 100 fit to plant out, when planting time comes. For every 100 we send, you have 101 when ready to plant. We have the finest and largest stock of NORWAY and ESTELLE in the country. Stock marked (*), now ready in flats. ☞ Send us a list of your wants for special prices on large lots.

	Per 100	Per 1000
Flora Hill	$1.75	$15.00
*General Maceo	1.75	15.00
*Mrs. F. Joost	1.75	15.00
*White Cloud	1.75	15.00
*Wm. Scott	1.75	15.00
*America	1.75	15.00
Daybreak	1.75	15.00
Ethel Crocker	1.75	15.00
*G. H. Crane	2.50	20.00
*Triumph	2.00	18.00
Guardian Angel	1.75	15.00
*Genevieve Lord	2.00	15.00
*Marquis	2.00	17.50
*Mrs. G. M. Bradt	2.50	20.00
*Chicago	3.50	30.00
Gold Nugget	3.50	30.00
*Morning Glory	3.00	25.00
Lorna	5.00	40.00
*Mrs. T. W. Lawson	5.00	40.00
Queen Louise	5.00	45.00
*Norway	4.50	40.00
Prosperity	6.00	50.00
*Governor Roosevelt	6.00	50.00
Estelle	6.00	50.00
Dorothy	6.00	50.00
Cressbrook	10.00	75.00
Enquirer	12.00	100.00
Mrs. Potter Palmer	12.00	100.00
Mrs. Higinbotham	12.00	100.00
Mrs. E. A. Nelson	10.00	80.00

CANNAS.

Strong, Dormant, Two Eyed Roots.

	Per 100	Per 1000
Allemania	$3.00	$25.00
Burbank	3.00	25.00
Exp. Crampbell	3.00	25.00
Florence Vaughan	4.00	35.00
Mdlle. Berat	3.00	25.00
Paul Marquant	3.00	25.00
Pres. Carnot	2.50	20.00
Mixed all colors	1.75	10.00

Largest stock in United States of other choice cannas true to name. Write for prices.

GREENHOUSES: WESTERN SPRINGS, ILL.

VAUGHAN'S SEED STORE, 84-86 RANDOLPH ST., CHICAGO. 14 BARCLAY ST., NEW YORK.

100,000 GIANT PANSIES

Best strain, strong plants, all transplanted and grown cool, 50c per 100; $4.00 per 1000. Express prepaid.

ASTERS. Hohenzollern, pure white, delicate rose and red (Roemer's), last year novelty, grandest aster to date. Mammoth size, 7 inches across, double to center, resembling a large Japanese chrysanthemum, unsurpassed for cutting or bedding, plants branching, with strong stems 18 to 20 inches long, 75c per 100; $6.00 per 1000.

Queen of the Market, white, red, pink and mixed.

Florists' Upright Branching, outer petals recurved, center petals incurved, superb cut flower, pure white, daybreak pink, fiery scarlet and lavender.

Late Branching or Semple's, white, rose pink, lavender, red and mixed.

All the above are the best money makers for florists, strong, healthy plants, assorted to suit, 50c per 100, $4.00 per 1000. Express prepaid for cash with order.

DES MOINES PLANT CO.,
38th St., Des Moines, Iowa.

ROOTED CUTTINGS

	Per 100	Per 1000
Coleus	$ .60	$5.00
Geraniums	1.50	12.50
Carnations, 25 varieties, send for list		
Mme Salleroi Geranium	1.25	
Petunia, Mrs. Edwards, best bedding, double	1.50	
Alternanthera, from flats, fall struck, perfect plants	1.00	8.00
Baby Primrose	1.50	

CENTRAL MICHIGAN NURSERY,
KALAMAZOO, MICH.

30,000 BLOOMING PLANTS FOR EASTER. . .

1500 Crimson Ramblers, unique designs, extra fine, $1.00 to $25.00.

1000 Hydrangeas, the finest in the market, $1.00 to $5.00.

10,000 Lilium Longiflorum, 12c per bloom.

2000 Davallian Fern Balls, 75c to $2.00.

Also a large assortment of Hyacinths in pans, $12.00 per doz.

Azaleas, 75c to $10.00 each.

Hybrid Roses, $5.00 per doz. and up.

Genistas, $4.00 to $12.00 per doz.

Spiræas, $4.00 per doz. and up.

Rhododendrons, $1.00 to $5.00 each.

Also a large assortment of Palms and other ornamental plants. Cash with order.

HERMAN C. STEINHOFF,
WEST HOBOKEN, N. J.

HAIL!

FOR INSURANCE AGAINST DAMAGE BY HAIL, Address

John G. Esler, Sec'y F. H. A.
SADDLE RIVER, N. J.

If you write to any advertiser anywhere mention the paper in which you saw the ad. Both publisher and advertiser will like you better for it.

AS SOON as Easter is over you will begin to think of Roses. We have 40,000 to 50,000 in 2 x 2½, 2½ x 3 and 3-in. We believe in shifting Young Roses often. All stock offered in 2½-in. pots has been shifted from 2-in. and is equal to most stock advertised as 3 in., and when we send it out is well established. Meteors, Maids, Brides, Perles, La France, Woottons, Pres. Carnot, Belle Siebrecht, Kaiserin, Golden Gate, Liberty and Am. Beauties, are the varieties we grow. Send $1.00 for samples of varieties you want and write

GEO. A. KUHL, Pekin, Ill.

ROBT. CRAIG & SON,

Roses, Palms

and Novelties in Decorative Plants,
Market and 49th Sts., Philadelphia, Pa.

Please mention the American Florist when writing.

ROOTED CUTTINGS

Estelle, $5.00; Lawson, $4.00; Marquis and Elm City, $2.00; Crocker and Lord, $1.00 per 100. Other varieties on application.

Genistas, bushy plants for Easter, 6-in. pots, $4.50 per doz.

DANA R. HERRON, OLEAN, N. Y.

Pansy and Vegetable Plants.

Cabbage, Lettuce and Pansy plants ready after April 1. Tomato, Pepper, Celery and Cauliflower ready May 1. These are stocky transplanted plants from best seed obtainable; hardened off in cold frames. For prices write

FRANK SHEARER & SON.,
Gardeners, BINGHAMTON, N. Y.

Please mention the American Florist when writing.

Syracuse, N. Y.

WELL KNOWN GROWER HAS MORE GOOD SEEDLING CARNATIONS.—MORRIS TAKES CROWE FIXTURES.—VARIOUS NOTES OF LOCAL DOINGS.

L. E. Marquisee has received word that his Empire State carnatian was granted a certificate of merit at the Madison, N. J, exhibition. Mr. Marquisee started for the Indianapolis exhibition, intending to compete for prizes there, but was delayed and unable to compete. His Empire State, however, received a certificate of merit. Mr. Marquisee has two new variegated varieties, which will be on the market in about two years. One of them, a pink on white, he has great faith in. He also has a pure salmon and a red carnation, which should cause a sensation when he places it on the market. He already has orders for several thousand of his Empire State.

Henry Morris has bought the entire stock and fixtures of Peter Crowe, of Utica, who goes out of the retail business. Mr. Morris has the mirrors, coolers and other fixtures in his store. Mr Crowe will devote all his attention hereafter to the wholesale branch of his business.

F. W. Bannister, manager for the Valley Nursery Company, has let the contract for a new greenhouse, 10x100, and will build another in the fall. He has seven acres near Onondaga Valley, devoted to the raising of trees, shrubs, plants and greens.

P. R. Quinlan & Company have an especially fine outfit of Easter lilies and expect a good trade. Tulips, roses, violets, azaleas and carnations are in abundance. Lilies of the valley bring $1 per dozen. The price for violets is $2 per hundred.

Syracuse florists say that summer trade improves every year. They no longer have to make enough in winter to carry them through the year, but find that there are an increasing number of people who patronize the florists in summer.

A. J. B.

California Carnations.

Our cuttings are rooted without fire heat and are strong, hardy and well rooted. They are so far superior in every way to cuttings rooted by fire heat that they should not be mentioned in the same connection. We guarantee safe arrival and satisfaction.

	Per 100	Per 1000
QUEEN LOUISE, white	$4.00	$30.00
MERMAID, fine salmon pink	3.00	20.00
G. H. CRANE, scarlet	1.50	12.00
MRS. F. JOOST, fine pink	1.00	8.00

Giant of California Pansy Plants, 50c per 100; $2.50 per 1,000. Giant of California, transplanted plants, $5 per 1000—100 sent at 1000 rates.

TERMS CASH WITH ORDER.

THE LOOMIS FLORAL CO.,
LOOMIS, CALIFORNIA.

Orders booked now for my new Fern, "NEPHROLEPIS FOSTERIANNA,"

Anna Foster.

Kentias, any quantity, 6-in., 30-in., $1.00 each. R. C. Coleus, mixed, 50 cents per 100; Verschaffeltii, G. Bedder, 75 cents per 100. Dracæna Indivisa, 6-in., $50.00 per 100. Geraniums in bloom for Easter.

L. H. FOSTER, 45 King St., Dorchester, Mass.

COLEUS.

Golden Bedder, Yellow Queen, Klondyke, Verschaffeltii and mixed. Rooted Cuttings and 2-inch stock. Write

GEO. A. KUHL, Pekin, Ill.

Geraniums, Carnations, Palms, Etc.

	Per 100
CARNATIONS, 2¼-in. pot plants.	
Marquis	$3.00
Ethel Crocker	2.50
California Gold	2.50
Crane	2.00
Joost	2.00
Mary Wood	2.50
White Cloud	2.00
GERANIUMS, S. A. Nutt, Mme. Barney, Richelieu, La Favorite, John Doyle, Mme. Charles Molin and Beaute Poitevine, $30.00 per 100	
Jean Viaud	5.00
Marquis de Castellnine	6.00
Set of 4 New Bruants for	.60
Set of 8 New Doubles for	1.50
In good assortment, our choice of varieties, $27.50 per 1000	
ROSE GERANIUMS, strong	2.50
CANNAS, all the standard varieties, strong roots	2.50
MOONFLOWER, Ipomœa Grandiflora	3.00
PRIMULA FORBESI	3.00
HELIOTROPES, six varieties	2.00
SELAGINELLA Emiliana	2.00

	Per 100
FUCHSIAS, in good assortment of varieties, 2½-in. pots	$2.50
Areca Lutescens, 2½-in. pots, $30.00 per 1000	4.00
Areca Lutescens, 3-in. pots	8.00
Areca Lutescens, 4-in. pots, 3 plants in a pot	20.00
Kentia Belmoreana, 2½-in. pots	7.00
Kentia Belmoreana, 3-in. pots	15.00
Latania Borbonica, 2½-in. pots	3.00
Latania Borbonica, 3-in. pot, $40 per 1000	5.00
Pandanus Utilis, 2½-in. pots	5.00
Pandanus Utilis, 4 in pots	15.00
Pandanus Veitchii, 4-in. pots, $6.00 per doz.	
ASPARAGUS PLUMOSUS, 2½-in.	4.00
ASPARAGUS SPRENGERI, strong, 2½-in.	2.00
ASPARAGUS SPRENGERI, strong, 3-in.	3.00
SPIRAEAS, Nana Compacta, Astilboides, Floribunda and Japonica at	3.50
AZALEA MOLLIS, fine for Easter	35.00
TUBEROUS ROOTED BEGONIAS, single, separate colors	3.00
TUBEROUS ROOTED BEGONIAS, double, separate colors	6.00
GLOXINIAS	4.00

The Storrs & Harrison Co.

PAINESVILLE, OHIO.

ARECA LUTESCENS, per doz.—4-in., $3; 5-in. $5; 6-in., $9.
KENTIA BELMOREANA, per doz.—4-in., $4; 5-in., $9; 6-in., $18.
KENTIA FORSTERIANA, per doz.—4-in., $4; 5-in., $9; 6-in., $15.
LATANIA BORBONICA, per doz.—4-in., $3; 5-in., $5; 6-in., $9; 7-in., $10; 8-in., $24.
FICUS ELASTICA, 6-in., $9 per doz.
ARALIA SIEBOLDII, 5-in., $4 per doz.; 6-in., $6 per doz.
PANDANUS VEITCHII, per doz.—5-in., $12; 6-in., $18; 8-in., $36.
NEPHROLEPIS BOSTONIENSIS, runners, $30 per 1000; 2-in., $4 per 100; 8-in., $15 per doz. **NEPHROLEPIS WITTBOLDII,** fine specimens from 8-in. pots, $15 per doz.
ASPARAGUS PLUMOSUS NANUS, from seed bench, $25 per 1000; 2-in., $4 per 100; 3 in., $8 per 100.
FERNS FOR DISHES, Etc., $4 per 100.
FERN BALLS, well furnished with leaves, $5 per doz.

The GEO. WITTBOLD CO.

1657 Buckingham Pl., Chicago.

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Fine stock of all the best commercial varieties, strong rooted cuttings now ready. Monrovia, Robt Halliday, 4c.; Timothy Eaton, 3c; Golden Beauty, Nellie Pockett, Lavender Queen, Fee du Champsaur, Superba, 2c.; White Bonnaffon, J. K. Shaw, October Sunshine, F. B. Hayes, Mrs. E. D. Smith, 1½c.; Major Bonnaffon, white and pink Glory of Pacific, Evangeline, Golden Wedding, Mrs. Murdock, Wallerco, Helen Bloodgood, Adula, etc., 1c. 500 in 10 to 20 varieties, my selection, $10.00.

Fine 2¼-inch plants of all above varieties at double price of rooted cuttings Cash with order.

Gunnar Teilmann, Marion, Ind.

HAERENS BROS. SOMERGEM, BELGIUM.

Azalea Indica for Fall Delivery, in best sorts, including the beautiful new Haerensiana, from small plants to large specimens. **KENTIAS** and other palms, for spring and fall, in medium and extra large sizes; all well grown. Address Sole Agents,

August Rölker & Sons,
52 Dey Street, NEW YORK.

Latania Borbonica

We have an extra fine stock of this valuable Palm to offer from 3-in. pots, showing one character leaf, at $4.00 per 100. This is a bargain. Also a fine lot of Cannas. Write for prices.

W. W. COLES, Kokomo, Ind.

Ask for our SPRING TRADE LIST of WOODY and HERBACEOUS PLANTS

We make a **Specialty** of such shrubs as Clethra Alnifolia, Cornus Florida, Gordonia Lasianthus, Ilex Opaca, I. Glabra, Myrica, Pyrus Arbutifolia, Vinca, etc., etc.

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Otto Katzenstein, Manager.

PLACE YOUR NAME.....

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SEND ADVT. NOW. **THE AMERICAN FLORIST.**

GENERAL LIST OF HERBACEOUS PLANTS.

Field-grown stock indicated by figures, f. g.; pot- grown, 3½-ins., by p.

	Per 100.
Achillea, The Pearl, p.	$3 00
Achillea filipendula, p.	3 00
Achillea roseum, p.	3 00
Adonis vernalis, fg.	4 00
Agrostemma coronaria, fg.	4 00
Agrostemma Flos Jovis, fg.	4 00
Anemone sylvestris, p.	3 00
Anemone Japonica rubra, p.	3 00
Anemone, J. "Whirlwind," 2-in.	3 00
Anemone Penn, 2-in. pots	3 00
Asclepias pulchra, p.	6 00
Asclepias tuberosa, p.	3 00
Apois tuberosa, p.	3 00
Armeria maritima, p.	3 00
Arabis alpina, p.	3 00
Artemisia arbrotanum, p.	3 00
Astilbe Japonica, fg.	4 00
Alyssum saxatile, 2-in. pots	3 00
Anthemis Kelwayli, p.	3 00
Aquilegia vulgaris, fg.	4 00
Aquilegia " white, fg.	4 00
Aquilegia coerulea, fg.	4 00
Aquilegia Vervaeneana, fg.	8 00
Aquilegia chrysantha, fg.	4 00
Aquilegia glandulosa, fg.	8 00
Aquilegia Canadensis	8 00
Aletris farinosa, fg.	3 00
Aralia hispida, fg.	8 00
Arenaria squarrosa, fg.	6 00
Asarum Canadense, fg.	8 00
Asplenium ebeoeum, fg.	4 00
Aster Novae-Anglae, p.	3 00
Aster grandiflorus, p.	3 00
Aster alpinus, p.	3 00
Aster pyramidalis, p.	3 00
Aster pyramidalis, fg.	4 00
Aster linarifolius, fg.	0 00
Aster longifolius, fg.	10 00
Aster patens, fg.	6 00
Aster puoicens, fg.	10 00
Aster spectabilis, fg.	6 00
Aster Tradescanti, fg.	6 00
Aster Tataricus, fg.	6 00
Bocconia cordata, fg.	4 00
Boltonia asteroides, fg.	6 00
Baptisia tinctoria, fg.	6 00
Calla palustris, fg.	8 00
Caltha palustris, fg.	6 00
Caryopteris Mastacanthus, p.	3 00
Clematis Davidiaoa, p.	3 00
Clematis paniculata, p.	3 00
Campanula pyramidalis, fg.	4 00
Campanula pyramidalis, 2-in. blue	3 00
Campanula pyramidalis, 2-in. white	3 00
Campanula Medium, fg.	4 00
Campanula compacta, 2-in. pots	3 00
Coreopsis lanceolata, p.	3 00
Coreopsis grandiflora, p.	3 00
Chrysanthemum, hardy, fg.	4 00
Chrysanthemum inodorum, fg.	4 00
Chrysanthemum uliginosum, fg.	4 00
Dentaria laciuata, fg.	6 00
Dicentra Canadensis, fg.	5 00
Dicentra spectabilis, fg.	5 00
Drosera filiformis, fg.	4 00
Delphinium azureum, fg.	4 00
Delphinium Sinensis, fg.	4 00
Delphinium nudicaule, 2-in. pots	3 00
Dianthus barbatus, fg.	4 00
Dianthus Her Majesty, fg.	4 00
Dianthus May, fg.	4 00
Digitalis monstrosa, fg.	4 00
Digitalis grandiflora, 2-in. pots	3 00
Digitalis spotted, fg.	4 00
Epilobium angustifolium, fg.	8 00

	Per 100.
Eryngium Virginicum, fg.	6 00
Eupatorium purpureum, fg.	6 00
Eupatorium ageratoides, fg.	6 00
Eulalia Japonica, fg.	4 00
Eulalia Japonica, Var. fg.	4 00
Eulalia zebrina, fg.	4 00
Eulalia gracillima, fg.	4 00
Euphorbia corollata, p.	3 00
Funkia lancifolia, fg.	4 00
Funkia Sieboldii, var. p.	4 00
Funkia coerulea, p.	3 00
Gentiana Saponaria, fg.	8 00
Gerardia flava, fg.	6 00
Gillenia trifoliata, fg.	10 00
Gratiola aurea, fg.	6 00
Gaillardia grandidora, p.	3 00
Geranium Ibericum, p.	3 00
Geranium maculatum, p.	3 00
Geum astro-sanguineum, fg.	4 00
Helenium autumnale, fg.	4 00
Helianthus angustifolius, fg.	6 00
Hellanthus stromusus, fg.	6 00
Helianthus Soliel d'Or, 2-in. pots	6 00
Hellanthus multiflorus, 2-in. pots	3 00
Hellopsis Pitcherianus, fg.	4 00
Helonias bullata, fg.	6 00
Hemerocallis flava, fg.	4 00
Hemerocalis Sieboldii, fg.	4 00
Hepatica acutiloba, fg.	6 00
Heuchera Americana, fg.	4 00
Hibiscus Crimson Eye, fg.	4 00
Hibiscus coccineus, p.	3 00
Hibiscus Rose Pink, fg.	6 00
Hollyhocks, 4 colors, fg.	4 00
Houstonia coerulea, fg.	6 00
Hypericum angulosum, fg.	6 00
Iberis sempervirens, 2-in. pots	3 00
Ipomoea pandurata, fg.	12 00
Iris Germanica, p.	3 00
Iris pumila, p.	3 00
Iris Siberica, p.	3 00
Iris Kaempferi, fg.	4 00
Dancing Lion, purple, very large and double.	
Sky-against-the-clouds, white, very large and fine.	
Glorious, maroon and white, variegated.	
Crane, white and blue, large and fine.	
Hollyhock, blue, shaded purple.	
Fairy, bright blue.	
Columbia, violet, very large and double.	
Admiration, maroon, spotted lighter, very grand.	
Surprise, violet, bright and clear.	
Sawo-Watshii, pure white, large and fine.	
Yum Yum, purplish blue.	
Kasai-no-iro, light blue, very handsome.	
Snow Cloud, double white, large and beautiful.	
Spotted Fawn, light purple, with white spots.	
Midaight, violet, very large and double.	
Koko-no-iro, light purple, large and double.	
Tora-odori, variegated blue, large flower.	
Data Dogu, bright purple, very large and attractive.	

	Per 100.
Lavandula vera, p.	$3 00
Lychnis Chalcedonica, fg.	4 00
Lobelia cardinalis, p.	3 00
Lobelia syphilitica, fg.	6 00
Linum perenne, p.	3 00
Lathyrus latifolius, p.	3 00
Liatris graminifolia, fg.	4 00

	Per 100.
Liatris spicata, fg.	5 00
Lilium Philadelphicum, fg. each	35
Lupinus perennis, fg.	8 00
Lysimachia ciliata, fg.	8 00
Lythrum Salicaria, fg.	8 00
Matricaria, fg.	4 00
Mitchella repens, fg.	3 00
Mondara didyma, fg.	4 00
Myosotis palustris, p.	3 00
Oenothera Fraserii, p.	3 00
Oenothera fruticosa, fg.	4 00
Papaver bracteatum, 2-in. pots	3 00
Platycodon grandiflorum, p.	3 00
Platycodon grandiflorum	3 00
Platycodon Mariesii, p.	3 00
Paeonies, red, pink, rose, fg.	9 00
Pardanthus Sinensis, fg.	3 00
Pentstemon, assorted, fg.	4 00
Pentstemon barbatus, fg.	4 00
Phlox subulata alba, p.	3 00
Phlox subulata rosea, p.	3 00
Phlox, herbaceous, fg.	4 00
Alceste, fine pink, red center.	
Aurora Boreale, orange, with purple center.	
Caran d'Ache, carmine.	
Epopee, violet, with red center.	
Hector, pink, very large and fine.	
J. H. Slocum, rose pink, crimson eye.	
Jules Jouy, lilac, with white center.	
Mme. P. Langier, bright red, vermilion center.	
Premier Minister, white, with deep rose center.	
Terre Neuve, lilac, violet center.	
Queen, pure white. Nothing can surpass it.	
Richard Wallace, white, with violet center.	

	Per 100.
Physostegia Virginiana, fg.	$4 00
Pyrethrum roseum, fg.	4 00
Plumbago Larpentae, p.	8 00
Pyrolo rotundifolia, fg.	4 00
Rudbeckia Golden Glow, fg.	4 00
Rudbeckia Newmanii	3 00
Salvia pratensis, fg.	4 00
Statice latifolia, fg.	4 00
Tritoma grandiflora, p.	3 00
Tradescantia Virginica, p.	3 00
Trillium grandiflorum, p.	3 00
Valeriana, fg.	4 00
Veronica officinalis, p.	3 00
Yucca filamentosa, fg., small	3 00
Yucca filamentosa, fg., large	8 00

SHRUBBERY.

Berberis vulgaris, fg.	$6 00
California privet, 2 ft., fg.	3 00
Calycanthus floridus, fg.	6 00
Deutzia, Pride of Rochester, fg.	5 00
Forsythia viridissima, fg.	6 00
Hydrangea panticulata grandiflora, fg., small	4 00
Hydrangea paniculata grandiflora, fg., large	12 00
Kerria Japonica, fg.	6 00
Ribes (flowering currants), fg.	6 00
Sambucus aurea, fg.	6 00
Spiraea Thunbergii, fg.	6 00
Spiraea Anthony Waterer, p.	3 00

Single plants sold at 100 rates, when not less than 100 are taken. Under this amount rates will be doubled.

Not less than 500 plants sold at 1,000 rates.

Cash with Order. **EDWARD B. JACKSON, Stamford, Conn.**

Dahlias

Mrs. Winters

THE WORLD'S BEST WHITE DAHLIA.

Novelties and Standard varieties. 18 yrs'. experience and have failed of no prize competed for.

See my catalogue before placing your order. Also fine field-grown Hollyhocks at $2.50 per 100. Cannas, Pæonias and Hardy Plants. Cheap mixtures are dear; get the best.

W. W. WILMORE, The Dahlia Specialist,
Box 382, DENVER, COLO.

CHRYSANTHEMUMS

are our SPECIALTY.
We also offer a complete list of

Carnations, Cannas, Pelargoniums,

Etc. Send for Catalogue.

Nathan Smith & Son, Adrain, Mich.

Pot Plants

AND CUTTINGS.

	Per 100
400 Hydrangeas 3½-in. pots, varieties, Thos. Hogg and Otaksa	$5.00
Chrysanthemums, 2-in. pots, early, midseason and late varieties, per 1000, $15.00	2.00
Printed list of varieties on application.	
Double Petunias, strong, 3 in. pot plants, $3.00 per 100; 2-in.	2.00
Rooted Cuttings, varieties, Pink Beauty, large double white, and a few other fine sorts	1.00
Alternantheras, four varieties, R. C., per 1000, $4 00	.50

Cash.

C. G. NANZ,
1007 WALNUT ST. OWENSBORO, KY.

GERANIUMS

	Per 100
16 fine varieties, 2½-inch pots	$3.00
16 fine varieties, 3-inch pots	4 00
500 Asparagus Sprengeri, 2-inch pots	2.00
Coleus, 15 varieties, 2-inch pots	2.00
Verbenas, 2-inch pots	2 00
Vinca Var., 2-inch pots	2.50
Pansy Plants, from seed beds, 1000, $3	.50

CASH OR C. O. D.

J. H. CUNNINGHAM, Delaware, O.

Rooted Cuttings.

Ageratum, True Blue and nearly white, Cuphea, Coleus, 10 varieties; Swainsonia, Heliotrope, Salvia, white and yellow Daisies, $1.00 per 100; $8.00 per 1000. Roses—Brides, Maids, Meteors, $1.25 per 100. Vinca Var., $1.25 per 100.

Cash with order. Well rooted.

La Roche, Collingdale, Pa.

Lowell, Mass.

SPRING SEEMS AT HAND.—BUSINESS SATISFACTORY.—GOOD STOCK ON HAND FOR EASTER.—LILIES SCARCE.

At the present time the indications are that we will have an early spring. The tulips planted outdoors last fall are awakening from their winter sleep. The stores are having spring openings and are using many flowers in addition to plenty of palms. At the opening of the Bon Marche over 10,000 violets were given away. With the approach of Easter comes some tall thinking and planning about lilies, which are going to be scarce here this year. If the present reports are true about lilies no danger is feared about the department stores handling them. In the past they have always cut the price, which this year will be 25 cents per bud and everything counted.

Business continues to be brisk, funeral work especially. With plenty of sunshine flowers are coming in both good supply and quality. There was a very good demand for flowers on St. Patrick's day, there being a parade in town with 3,000 men in line, calling for plenty of bouquets, which necessitated some brisk hustling early in the morning.

H. B. Green, up in the Highlands, has a lot of nice salable stock ready for the rush. Down in Tewksbury, Patten & Company show some of the finest carnations ever grown. To stand elevated at one end of their 350-foot house and look down to the other end and see the bloom, is a sight long to be remembered.

At Small's they grow mignonette of excellent quality and carnations take no back seat. Tingley, with his immense supply of violets and callas, will make an impression where he starts to unload at Easter.

McManamon made a good St. Patrick's display by filling his window with shamrocks in small pots, which sold on sight.

A. M.

NEWPORT, R. I.—The men employed in the greenhouses of Carl Jurgens are on strike for a nine-hour working day. Mr. Jurgens says they can come back whenever they get tired of it.

DAVENPORT, IA.—The local growers have had very fair success with their lilies this year and will have good stock for Easter. They also have plenty of callas and good showings of well-flowered plants, principally azaleas and hydrangeas.

PALMS.

HOME-GROWN, FINE, CLEAN STOCK; GROWN COOL.

Write for Price List. **J. B. HEISS,**
The Exotic Nurseries, **DAYTON, OHIO.**

STOCKS.

Ten Weeks, out of 2¼ in. $2.00 per 100; $15 per 1000.
Salvias, 2¼-inch, $2.00 per 100.
Giant Alyssum, 2¼-inch, $2.00 per 100
Sweet Williams, 1 year old plants, $2 00 per 100; $15 00 per 1000.
Forget-Me-Not, 2¼-inch, in bloom $1.50 per 100.
Vinca Variegata, rooted cuttings, $1 00 per 100.

J. C. SCHMIDT, Bristol, Pa.

ROOTED CUTTINGS OUR SPECIALTY—**Verbenas,** all standard named kinds, 60c per 100; $5.00 per 1000. **Heliotrope,** 14 named varieties, $1 00 per 100; $8.00 per 1000. **Petunias,** 24 varieties, $1 25 per 100. **Salvias,** 5 varieties, $1.00 per 100. **Ageratums,** 5 varieties, 60c per 100. **Coleus,** 34 varieties, 60c per 100; $5.00 per 1000. **Alyssum,** $1.00 per 100. Express prepaid on all Rooted Cuttings. Satisfaction guaranteed. Cash with order. Write—

S. D. BRANT, CLAY CENTER, KAN.

ROOTED CUTTING LIST

NOW READY FOR SHIPMENT.

	Per 100	Per 1000
Marguerites	$ .75	$ 6.00
Heliotrope, 4 varieties	.60	5.00
English Ivy	2.00	18.00
Pyrethrum, double white	1.00	8.00
Achyranthes, 4 varieties	1.00	8.00
Salvia, 4 varieties	.60	5.50
Ageratum, 6 varieties	.60	5.00
Alternanthera, 4 varieties	.75	6 00
Fuchsias, 3 varieties	1.25	10.00
Abutilons, 12 varieties	2.00	18.00
Coleus, 75 varieties, named	.75	6.00
" not named	.60	5.00
" Verschaffeltii, red	.60	4.50
" " golden	.60	4.50
Coleus, Golden Bedder	.60	4.50
" Brilliancy	8 00	

Boston Ferns Strong, bushy, well grown stock for immediate shipment.

	Per 100	Per 1000
2¼-inch pots	$2.50	$22.00
2½-inch pots	3.00	28.00
3 -inch pots	6.00	55.00

PTERIS TREMULA, 2¼-inch pots, per 100, $2.00; 2½-in. pots, per 100, $3.00; 3-in. pots, per 100, $5.

For list of varieties see AMERICAN FLORIST of Nov. 9. If wanted by mail add 15c per 100. Samples by mail 25c.

CHRYSANTHEMUMS W. H. Lincoln, Jerome Jones, Golden Wedding, Philadelphia, Ivory, Thornden, Pres. Smith, Minnie Wanamaker, Louis Boehmer, Maud Dean, Viviand-Morel, Bajor Bonnaffon, G. W. Childs. Rooted cuttings, grand stuff, $1.25 per 100; $10.00 per 1000.

☞ All the above sold on the positive guarantee of their being first-class, if not, your money at once refunded.

JOHN IRVINE & SONS, Bay City, Mich.

A Discount of 100% on Wittboldii Ferns

FOR 30 DAYS ONLY.

2½-inch, $5.00; 3-inch, $8.00; 4-inch, $12.00; 5-inch, $20.00 per 100. Bench plants, $3.00 per 100. Good for 10-inch pots, 50 cts. each.

THESE ARE JUST WHAT YOU WANT FOR EASTER.

CASH PLEASE. **A. J. BALDWIN, Newark, Ohio.**

WE ARE HEADQUARTERS FOR

GERANIUM NOVELTIES: Thos. Meehan, semi-double dark pink; **Levi P. Morton,** semi-double maroon; **Duchess of Orleans,** single oriole; **Ernest Kellway,** semi-double crimson; **J. J. Harrison,** semi-double scarlet, and **Snow Drift,** semi-double white; all winners. Extra strong rooted cuttings, $2.00 per 100; $20.00 per 1000.

STANDARDS: S. A. Nutt, E. G. Hill, Beaute Poitevine, Frances Perkins, Alphonse Riccard, Mme. Bruant, Mme. Jaulin, Athlete, La Favorite, J. M. Gaar, extra strong rooted cuttings, $1.75 per 100; $16.00 per 1000.

DOUBLE FRINGED PETUNIAS

Our superb collection consisting of twelve novelties selected from Henderson's and Dreer's latest sets. Extra Strong Rooted Cuttings, $1.00 per 100; $9.00 per 1000; $40 per 5000. Henderson's celebrated Sea Foam, $1.50 per 100. Send for our special Geranium List.

CASH WITH ORDER. SATISFACTION GUARANTEED.

The W. T. Buckley Plant Co., Springfield, Ill.

SPECIAL OFFER.

Geraniums Dbl. Gen. Grant, Bruanti, Alphonse Riccard, J. J. Harrison, Mme. Thibaut, Beaute Poitevine, Mme. Jaulin, Gloire de France, Frances Perkins, La Favorite, S. A. Nutt, etc.; labeled, strong, well-grown plants, from 2½-in. pots, $3.00 per 100; $25.00 per 1000. Mixed, my selection, $2.50 per 100; $20.00 per 1000.

Cannas Dormant Roots, 2-3 eyes; Chas. Henderson, Chicago, Papa Canna, Queen Charlotte, Florence Vaughan, $2.00 per 100; $15.00 per 1000. Mixed, all colors, $1.50 per 100; $10.00 per 1000.

Cyclamen Persicum Splendens Giganteum

Finest strain in the world, in four true colors, now ready, transplanted from flats (seedlings), $3.00 per 100; $ 5.00 per 1000.

Chinese Primroses Only the finest market varieties in bud and bloom, from 3-in. pots, to close out, $2.50 per 100.

Begonia Rex In good mixture only, from 2½-in. pots, $1.00 per 100.

PAUL MADER, East Stroudsburg, Pa.

Please mention the American Florist when writing.

BARGAINS. READ THIS, FOR HERE IS WHAT YOU WANT AND WE WANT ROOM.

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1500 2¼ "	5.25	60 8 "	3.00
1500 2½ "	6.00	48 9 "	3.60
1000 3 "	5.00	48 10 "	4.80
800 3½ "	5.80	24 11 "	3.60
500 4 "	4.50	24 12 "	4.80
320 5 "	4.51	12 14 "	4.80
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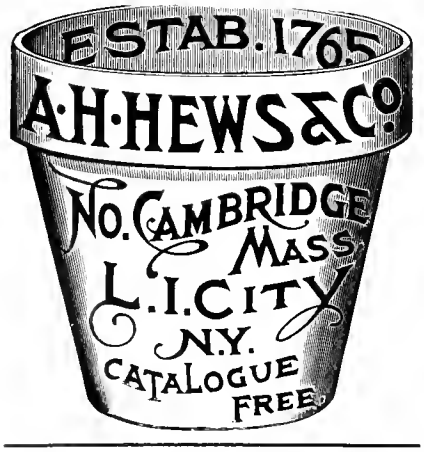

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San Francisco.

TRADE BRISK.—MANY WEDDING AND FUNERAL ORDERS.—MILLS HAS FINE STOCK IN PRIVATE GREENHOUSES.—CLUB HEARS OF MORE PRIZES.—A VARIETY OF PERSONAL AND OTHER DOINGS.

We cannot complain of business being poor, for everyone is rushed with wedding and funeral orders. Carnations, especially since the wonderful improvements made by John H. Sievers, are more in demand than ever, notwithstanding the fact that the number of plants grown is double that of last year. Roses are more plentiful, stock very good and prices the same. Lilies are coming in a little better and prices have raised to $3 50 to $5 per dozen cut and $6 in pots. Violets are too plentiful to be high priced and all bulbous stock moves at the same rate as at last report.

At D. O. Mills' private nursery things are in grand shape and our growers have to produce something extra fine in Beauties, carnations and ferns to beat them. Beauties especially are in splendid form. Some Farleyense ferns measure nearly four feet across and are the picture of health. C. Beatty is head gardener of the place and Mr. Carboni has charge of the glass houses. Mr. Mills certainly can boast of having two of the best gardeners in the state.

At the last meeting of the Pacific Coast Horticultural Society, owing to the heavy storm, very few members were present and little business was done. Some important trade papers will be read at the next meeting. Committees on the flower show reported additional prizes offered for the best seedling carnations, also a prize of $50 by the Cox Seed and Plant Company for the best display of cut flowers.

At Schwerins' things look well again after the heavy storm. They will have their usual good stock of tulips, hyacinths, spiræas and ferns for Easter, besides carnations and roses.

Chas. Serveau has taken himself to his country home in Woodside for a little recreation and to get his full strength back for the hard work during Easter week.

Henry Wigger, for some time gardener to Mr. Whitney, in San Mateo, has resigned his position and intends to take a rest for a month or two.

H. Plath says that he will hardly have enough ferns ready for Easter but enough smilax to decorate half the churches here.

Sweet peas will hardly be seen before the middle or end of April, owing to the long cold spell we had about Christmas time.

O'Hearn, of San Mateo, has let the contract for a large, modern carnation house to a firm of San Mateo contractors.

Mrs. Gonzales, of 9 Eddy street, has sold out her share in the store to her partner. GOLDEN GATE.

ERIE, PA.—S. Alfred Baur reports that trade has been excellent all through the season and that the Easter outlook is very good.

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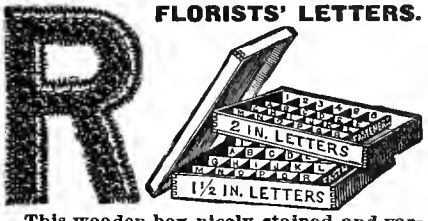

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WATERPROOF. Corner Lock Style.

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GROWER HAS GOOD EASTER LILIES.—BULBOUS STOCK DOING WELL.—IMPROVEMENTS PLANNED FOR SUMMER.—GROWERS LOSE BY RECENT FLOODS.

Max L. Hess seems to have solved the problem, if a problem it be, of growing Harrisii. He has them once again in splendid condition and in time for his Easter trade. He has likewise a fine lot of bulbous stock of all kinds, and from the number of orders already booked will in all likelihood have no reason for complaint. Business has been unusually brisk with him all through the season, decorative work of one sort or another having been especially in demand. A glance at his general stock shows that Mr. Hess has not cultivated the habit of letting things take care of themselves.

A visit to the "Island" was in order. There I found L. A. Smith, as happy as the proverbial lark, regardless of the recent flood, which had caused him some slight loss and an unusual amount of labor. It is Mr. Smith's intention to build a warehouse especially adapted for storing plants in the event of a flood. Floods are by no means unusual in this section and the loss they entail is certainly discouraging. But the florists invariably get over such "trifles," believing in the golden rule, "Never give up."

A call at the Wheeling Greenhouses proved interesting. Under the efficient management of the genial Mr. Dieckmann, things about the place are in fine condition. Bulbous stock, such as hyacinths, Von Sions, lilies, and so forth, is grown in quantity and looks well. An additional carnation house about 23x150 may be added this spring to their plant. They likewise contemplate some extensive alterations and improvements about their store on Twelfth street.

W. F. Zane & Son have likewise suffered because of the flood, but fortunately they succeeded in saving their plants and will have them in fine condition for spring sales. Mr. Zane intends rebuilding some of his houses during the coming summer. In addition to their plant trade, they have of late built up a fine business in cut flowers and design work.

Franz Laupp, the veteran florist, reports a fine trade all along the line. While growing a general stock for his retail trade Mr. Laupp is forcing a large quantity of tulips, which find a ready sale with him. NOMIS.

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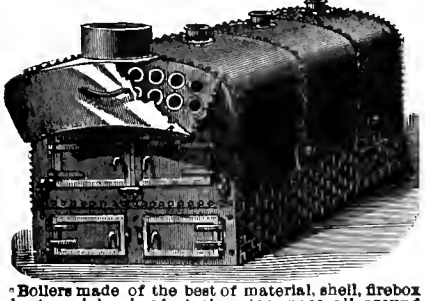

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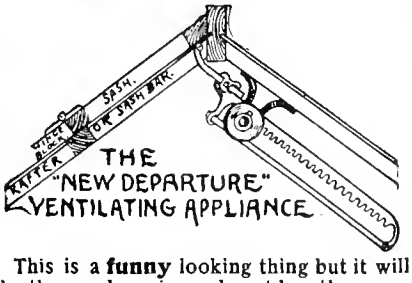

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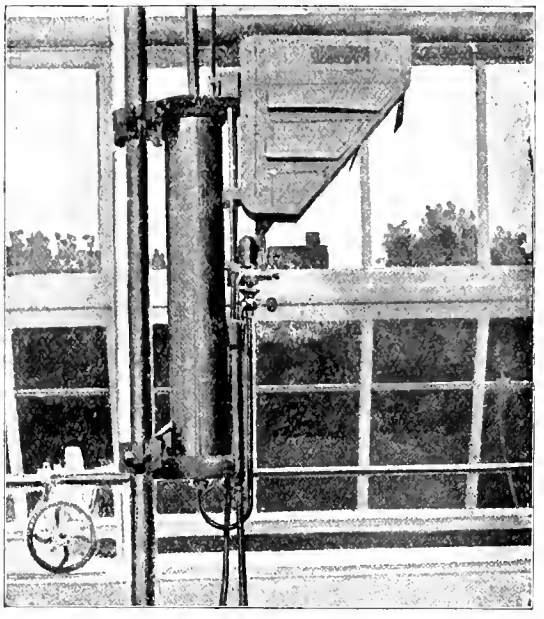

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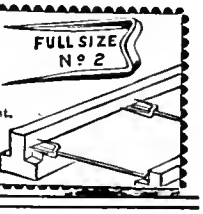

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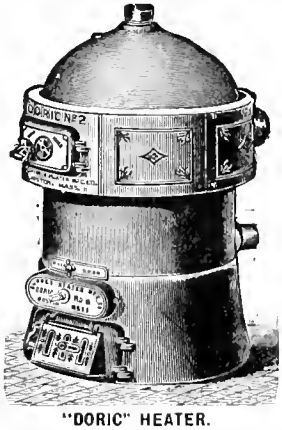

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Vol. XVIII. **CHICAGO AND NEW YORK, MARCH 29, 1902.** **No. 721.**

THE AMERICAN FLORIST

SEVENTEENTH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—JOHN BURTON, Philadelphia, Pa., presiden J. W. C. DEAKE, Asheville, N. C., vice-president, WM. J. STEWART, 79 Milk Street, Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The eighteenth annual meeting will be held at Asheville, N. C., August, 19 22, 1902.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Brooklyn, N. Y., February, 1903. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Asheville, N. C., August, 1902. Edwin Lonsdale, Chestnut Hill, Pa., Sec'y.

AMERICAN ROSE SOCIETY.

LEONARD BARRON, 136 Liberty St., New York, secretary.

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Easter Plants in Chicago.

The retail establishments in Chicago have been developing very rapidly in the last year or two and it would be difficult for any city in the Union to show handsomer places than those in which the leading western retailers now do business. The stores of Wienhoeber, Samuelson, Fleischman and Mangel may be mentioned as typical of the newer development and, whatever may have been the case in the past, there can be no doubt that this is a plant Easter. While few novelties are on view, the western storekeepers have never before gone in so heavily on blooming material and never before have they shown such choice stocks. While the azalea predominates, as it no doubt does in nine cities out of ten throughout the country, it is not by any means so much in evidence as to make the Easter stocks appear to lack variety. There are better Crimson Ramblers than there ever were before, better rhododendrons, better hydrangeas, better spiræas, better pans of bulbous material, and, in fact, better stocks throughout the list, with the single exception of the item of Easter lilies. Chicago forcers have shared the experiences of all other growers of this specialty, the longiflorums proving, in general, unsatisfactory, although there are a few very good plants. In most instances the loss was heavy, but the last few days of warm, bright weather aided remarkably in getting the remaining plants into flower. However, as a general rule, the plants are short, the foliage is much too dense for a good lily and the flowers are both few in number and poor in quality, most of them having a crimped, discolored, dried-up appearance which makes them almost unsalable. One or two growers, notably the Garfield Park Flower Company, and the Poehlmann Brothers Company, have had some choice lilies which run eight or nine blooms or buds to the stalk, but the retailers much prefer good stock with three or four well developed flowers to the stalk.

The season is certainly seeing unusual use of florists' supplies. There is at hand a greater variety of material than ever before and these plant embellishments are finding wide popularity. The only thing which seems to have dropped into disuse is the birch bark ware, it being generally regarded as too crude for the requirements of the Easter plant trade and cut flower business. Porto Rican matting easily takes the lead as a pot cover, although the finer grades of crepe paper are largely used. Many decorators are tieing ribbon bows into their plants, but those storekeepers who cater to the most critical trade are not doing this unless the customer asks it. There is a very large assortment of boxes, baskets and hampers of one sort or another for use with small plants and cut flowers. Most of these are light and airy in design and construction and the coloring is tasteful. All the retailers have filled large quantities of these for counter sales and find them very popular.

Wienhoeber has made what is probably the finest showing of Easter plants ever seen in the west, his specialty being large azaleas. He imported plants much larger than the sizes usually handled by the commercial growers and has them beautifully in flower. The large specimens are nearly all Mme. Vander Cruyssen, and better plants were never seen anywhere. Many of them are grown in Columbia plant tubs and are of the regular form, with heads something like four feet across. The prices run up to $20 each. Wienhoeber also has a number of novelties among azaleas, but he says that as a rule these fancy varieties are not dependable, that they are not free bloomers and that while success may be achieved one year, disappointment may follow for several seasons. He is showing some plants of the irregular, natural development and finds that they take better each season. He is using large quantities of Porto Rican matting on his plants and a very large proportion of cut flowers will go out in fancy baskets and hampers. Bulb pans are numerous here and are found to sell very well when properly dressed up. The good lilies came from Buettner's.

Samuelson has added greatly to his facilities since last year by the erection of his conservatory, which affords a fine opportunity for the proper display of a large line of blooming plants. He is showing everything which the market affords, from lilies, azaleas, hydrangeas, and so forth, including some good Crimson Ramblers, down to the comparatively cheap pans of blooming bulbs. While the stock is fine in every respect, it shows few novelties, such things being not to be had at home and Mr. Samuelson says that it does not to pay to bring them from the east. The window here is always the greatest attraction of the neighborhood. It is Mr. Samuelson's pride and he has the art down to a nicety. Mr. Samuelson says that Porto Rican matting is one of the best aids to the plant decorator and he finds that most

of the holiday customers appreciate the line of novelties which he is showing, such as baskets and hampers of unique design, one of the best sellers being a birds-nest basket.

The George Wittbold Company, at its two stores, is showing a tremendous stock of Easter material, including the best acacias which the season affords, also some splendid rhododendrons and hydrangeas. They have a big stock of double tulips in pans and also several hundred of lilies, hydrangeas, oranges, primulas and Crimson Ramblers. They report that nearly every buyer chooses to pay the slight additional cost to have the plant dressed with Porto Rican matting, ribbon or crepe paper.

The Asmus Floral Company is just into its handsome new store and greenhouses and has things in very good shape. with such stock as one would expect to find in a place in which Emil Buettner is the guiding spirit. They have a stock of very good lilies. While they have no basis of comparison, they have found the early Easter buying to be all that they could expect.

Out on the west side, Halle was fortunate in picking up a nice lot of lilies, perfect plants with fine flowers, and they have made a fine display in his window. At the Schiller place, further out on Madison street, the usual large quantity of bulbous material, tulips, daffodils, hyacinths, and so forth, is in evidence, besides a good stock of lilies and more pretentious plants.

John Mangel is handicapped in his Easter business this year by lack of room to make a plant display, although he has some very good material. His store is always one of the brightest spots on State street and on cut flowers he is making his usual fine showing. Last year he had an extra store next door for his lilies, azaleas and other plants, but this season he is restricted to his own quarters for this material.

The Fleischman Floral Company has been making a very fine showing this week, although C. E. Young, the manager in charge, says that they have been handicapped to no small degree by their inability to secure the grade of lilies which they require. They have shown a nice assortment of blooming plants and have them all dressed up in pot covers of one sort or another, many of the azaleas being all but covered by crepe paper, which is also a prevailing fashion at "Moscow's," and have found that the cut flower buyers all want their purchases put up in some of the novel arrangements in the line of baskets and boxes.

Friedman has been making an elaborate Easter showing, with the place filled to overflowing with flowering plants, the best of which were rhododendrons. He went east for a novelty and procured it in the shape of some profusely bloomed double flowering cherries, which make an attractive feature in his window, dressed in white imported crepe paper.

Hauswirth is in temporary quarters this year and has no room for a large display of plants, but has some very finely flowered Crimson Ramblers. Lange has his usual good showing, including some extra azaleas.

John F. Kidwell & Brother have large displays in both their Wentworth avenue and Forty-third street stores, largely bulbous material in pans, but including some well flowered hydrangeas and good azaleas, the latter being principally Mme. Vander Cruyssen.

Smythe, out on Michigan avenue, has had his store and conservatory filled with well flowered plants, running through the whole list from the bulb pans at low prices to the high grade hydrangeas, azaleas and Crimson Ramblers. He is sending out hardly anything in pots which has not the receptacle concealed in a basket or covering of some sort.

William Paul.

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

William Paul.

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, Dutchess of Albany, Lord Bacon, R. D. Baxter, Brightness of Cheshunt, Brilliant, Cheshunt Scarlet, Princess Christian, Crimson Globe, Paul's Single 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 he should 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 "Contributions to Horticultural Literature, 1843-1892." Mr. Paul is 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 Rose Balduin.

In the issue of this journal for February 15, page 76, it is stated that, as a member of the committee on investigation of the rose heading these notes, the undersigned wrote to Mr. P. Lambert, Trier, Germany, who disseminated the Balduin, asking if he could throw any light upon the subject, because both Balduin and Helen Gould with different pedigrees appear in his catalogue, but up to that time no reply had been received from him; but a postal had been received by Dingee & Conard Company on which was stated they were distinct. March 10, however, a letter, dated February 27, from Mr. Lambert was received, and is as follows:

MR. EDWIN LONSDALE, Wyndmoor, Chestnut Hill, Phila., Pa.

DEAR SIR:—Concerning Helen Gould-Balduin, I wrote some days after my postcard was sent to The Dingee & Conard Company a letter saying that this card was sent because some of my neighbors came to say that they have found some difference between the two roses. I believe that Gould is nothing else but my Balduin, of which I had sent fifty plants and 200 budding eyes in 1898 to Myers & Samtman, Wyndmoor, Chestnut Hill, Pa. Mr. John Cook, Baltimore, Md., received Balduin earlier.

I requested The Dingee & Conard Company to show you this letter wherein I wrote that the roses must be identical.

Trusting that this may serve to the matter, I remain, yours truly, P. LAMBERT.

P. S.—Helen Gould was, when I got it, too weak to prove it exactly. I got it first as No. 1930 and I found that it was Balduin. A year later I got Helen Gould, very small plants, and so we thought it different at first.

This letter, while it does not prove that Myers & Samtman are indirectly responsible for the renaming of the rose under consideration, indicates as much, and that is the most that can be said.

Messrs. Myers & Samtman may or may not have been surprised when Mr. E. G. Asmus, in company with Mr. A. B. Scott—one of the members of the committee on investigation—recognized in their greenhouses the Balduin as Columbia, the variety he was at that time trying as a winter forcer under that provisional name, but which, after it had been discarded "as not being up to the mark as a forcing rose," as Mr. Asmus expressed the idea to the committee, was sold to Messrs. Peter Henderson & Company "under its true name, the Balduin." Messrs. Myers & Samtman, in the Florists' Exchange, innocently (!) state that "We all know that one could not call a cut rose Columbia and the bush on which it was grown Balduin." It would be interesting to know—and Messrs. Myers & Samtman could tell us if they would—what was the name of the "bush" from which the cuttings were taken that were sold by them as "their new rose Columbia" to Dingee & Conard Company. As the signs go, it looks as though the latter firm had been persuaded that they were buying a seedling rose of American origin, for here among other things is what they say in their catalogue, as follows: "Among thousands of seedling plants Fate favored this variety (Helen Gould). When it was big enough to bloom we saw it. We were so taken with its beauty and valuable characteristics that we paid seven hundred and fifty dollars ($750) for the original stock. From the original plant the work of evolution began. From year to year its progeny increased as did our enthusiasm. We had judged it correctly," etc.

Messrs. Myers & Samtman have had

A VIEW OF THE SPRING SHOW OF THE MASSACHUSETTS HORTICULTURAL SOCIETY.

two communications in the Florists' Exchange, but in neither of which has that firm disputed a point that was made in either the original or in the supplementary reports of the committee, but have evaded the points at issue entirely. What the committee wants and what the readers of the trade papers want is more light upon the subject and less obscurity. Mr. F. P. Myers, senior member of the firm of Myers & Samtman, was consulted on three different occasions, and three letters were shown to him during the investigation, one from Mr. John Cook, of Baltimore, the other from Ernst G. Asmus, West Hoboken, N. J.; both were dated November 11, 1901. These were shown to him in the Library Room at Horticultural Hall, Broad street, Philadelphia, a day or two after they were received and during the progress of the flower show held by the Pennsylvania Horticultural Society. Both these letters have appeared in the Florists' Exchange. Another letter which he read was from Mr. P. J. Lynch, vice-president and general manager of the Dingee & Conard Company, and is dated November 26, 1901, and was read on the train on our way home from the Reading Terminal. Philadelphia, on Friday, November 29, 1901, and with your permission will quote for the benefit of your readers an extract from said letter:

Irrespective of what will be the final report of your committee, I desire to emphasize this point, that in introducing Helen Gould as a new rose we did so believing thoroughly in that fact, and we have as yet no evidence that it is not a new rose of American origin. We have exhausted our supply of interrogations on this point with Myers & Samtman, from whom we bought the rose. They have refused to answer our questions as to whether or not they secured the rose in this country or abroad. In this particular we are somewhat handicapped, owing to their inability or disinclination, as the case may be, to give us information on this point. In order to maintain our integrity as disseminators of new roses, and not old ones under new names, we believe that it will be sufficient for us to say that in the agreement entered into with Myers & Samtman, this rose was referred to as Columbia, an unregistered name used for the purpose of local identification.

Everything the committee has reported can be substantiated or corroborated, and I personally am very sorry that Myers & Samtman are making such strenuous efforts to shirk their responsibility in the matter. Such practices are baneful and far-reaching in their influences, and are liable to bring discredit and distrust upon a profession that ought to be entirely above reproach.

EDWIN LONSDALE.

Begonia Gloire de Lorraine.

[*A paper read before the New Haven County Horticultural Society, March 4, by John Doughty.*]

I have been asked to give some information regarding the culture of this charming new species of begonia. As all local growers are aware, it was practically new to florists in New Haven last year; that is, it had been grown only by the few, and that I was one of the novices makes me feel that I am not qualified to speak so fully upon the subject as it deserves to be treated; however, I will readily impart my experience for the benefit of my fellow members of this society.

At the outset I would say that I am indebted to Mr. Edwin Lonsdale, of Philadelphia, for the following information regarding Lorraine. He states: Begonia Gloire de Lorraine was the result of a cross between B. Socotrana and B. Dregei. It was sent out by Victor Lemoine & Son, of France. The first to have it in America, so far as known, was H. H. Hunnewell, Fred. Harris, gardener, and it was exhibited by him before the Massachusetts Horticultural Society, and received a silver medal, December 4, 1897. The first time it was noticed in American horticultural literature, was January 9, 1897, by the AMERICAN FLORIST, and was mentioned therein by Mr. A. Hemsley, an English grower.

It would appear from the foregoing that we growers of New Haven have held our reputation well as being a little behind, but as we have recently awakened and discovered this society so full of vigor, let us endeavor to keep time with the progress in horticulture.

The specimen Lorraine I have placed before you this evening is one of the twelve that obtained first honors at our exhibition on November 6, 1901, and has been in flower since the end of September, or a little over five months. All our plants were grown in 5-inch pots and this plant before us was not placed in the 8-inch pan before January 23, and I do not perceive that it is benefited but very slightly by the transfer, owing most probably to the lateness of the transfer.

I find that their season for flowering is practically over by the end of February. As you will perceive there are but few more flowers thereon to expand, and the flowers are not so large and well formed as they were in midwinter.

I have here before you rooted leaf stalks with the young growth issuing from the soil. I find they root very readily from the leaf stalks, as well as young shoots two or three inches long. They require to remain in the sand in

which they are rooted for a considerable time, until they have formed minute tubers, very much resembling those of the dahlia but very irregular in outline, and when taken from the propagating sand are beautifully white. Those sufficiently advanced I have pricked out into flats, as it gives less trouble than potting singly, though as you see I potted a few. Not having had further experience in this stage of their growth we will now assume we have just received our consignment of small plants from the wholesale growers, and that it is the month of July, when we received our plants.

They were from 2-inch pots and the plants themselves little larger than the money paid for them. I knew they were begonias, because I had been told so, therefore I treated them as such, placing them in 2½-inch pots and using a compost of three-fifths decayed manure and two-fifths loam, with a little sand. They were placed upon the greenhouse bench under slight shade until growth commenced, when they received more light. They were potted into 3½-inch pots in August, and in September they were placed in 5-inch pots, in which they were sold.

The compost for the latter shift was about equal parts decayed manure and loam (not New Haven loam). I may here add that the manure used was from the horse barn. I never was a believer in cow manure for pot culture and I have yet to find its superiority over horse manure for any purpose save in a light sandy or gravely garden or field.

During September and October the plants grew very rapidly, soon forming dense growth, and by the end of October were good salable plants. I do not find any more difficulty in growing Lorraine than any other begonia. No begonia will thrive in a stagnated soil or a stagnated atmosphere; therefore the plants must be carefully watered and ventilated, especially during the winter. Lorraine will bear more light than any begonia I know of under glass. My experience is that it is well suited in a night temperature of about 55°, and our house that they were flowering in was more frequently 50° at night, after cold weather set in.

The plants did not receive liquid manure more than once, that at the end of November, for I was perfectly satisfied by the way they were growing, and decided to let well enough alone. In conclusion, I would say do not attempt forcing the growth; watch carefully the growth as it proceeds, taking care that it is being well solidified, for upon the growers' judgment all depends whether success or failure follows, bearing in mind these are the essential points, for to treat many species of plants one year as another is to count failure, the varying atmospheric conditions having a great influence upon vegetation in general.

Lastly, I would say it is not the success of any one grower being expounded to others that will assure success unto them, any more than it is the failure of the unfortunate being expounded in like manner. I therefore ask anyone who has not succeeded in growing Lorraine well to expound the treatment that we may avoid the wrong and follow the right when we know it.

Fine Hyacinths and Geraniums.

The accompanying illustration from a photograph of hyacinths represents the first prize group of six pans exhibited at the spring show of the Pennsylvania Horticultural Society. In my opinion this was about as fine a lot of hyacinths as I have ever seen exhibited; the selection of varieties was excellent and the care and attention given in their cultivation very commendable. The only objection that could be urged against this lot was that the suckers were left on the plants, which detracts from the beauty of an exhibition hyacinth. The exhibitor was Francis Canning, gardener to Samuel T. Bodine, Villa Nova, Pa.

The other illustration, a group of geraniums, is interesting because it shows what a good gardener can do with this plant if he only knows how to grow them and goes at it conscientiously. William Robertson, gardener to John W. Pepper, Jenkintown, Pa., was the exhibitor of these. He has shown us in the past many fine lots of geraniums, but none that were better than the one under consideration. This exhibit was quite a feature of the show and in addition to receiving the first prize, has, I believe, been recommended by the judges for a silver medal, which I consider is no more than just and proper. G. C. W.

PRIZE HYACINTHS AT PHILADELPHIA SPRING SHOW.

The Philadelphia Spring Exhibition.

The Pennsylvania Horticultural Society's spring show proved quite a success, although lacking much in large displays, and in spite of adverse conditions, such as a frosty opening day, and the recent severe storm. The attendance was very good, particularly in the evening, and made a pretty showing. The feature of the exhibition was the display of bulbs for prizes offered by the seedsmen, which brought out strong competition and many well grown varieties, but the thing of note was the new carnation, Adonis, from Robert Craig & Son, which won the president's prize, a cup valued at $50, for the best carnation not disseminated. It is certainly a grand variety, leading everything in red.

The roses from the American Rose Company, Washington, including Ivory, Balduin and Alice Roosevelt, were very much admired. Mrs. Oliver Ames, from John N. May, looked even better than usual. Beauty, Liberty and Brunner were well represented. The carnation display, while not large, was interesting, but Craig's Adonis seemed to be the center of attraction.

H. A. Dreer staged a collection of plants surmounted by the now familiar Pandanus Sanderii. John Westcott and John Gaynor, gardener to John Wana-

SIX PRIZE GERANIUMS AT PHILADELPHIA SPRING SHOW.

maker, had each very attractive groups, the one from Mr. Gaynor being well set off with an interesting collection of flowering plants. Geraniums from Wm. Robertson, gardener to J. W. Pepper, were well done and were really one of the features of the show.

Amaryllises from John Thatcher were in the usual well furnished style. Mr. Thatcher is now working on a number of new seedlings which are being anxiously looked forward to. Robert Kift had a large bunch of cut Harrisii, and also had Easter baskets and window decorations. Rhododendrons, azaleas, spiræas, cinerarias, genistas, roses, polyanthuses and pansies were all represented.

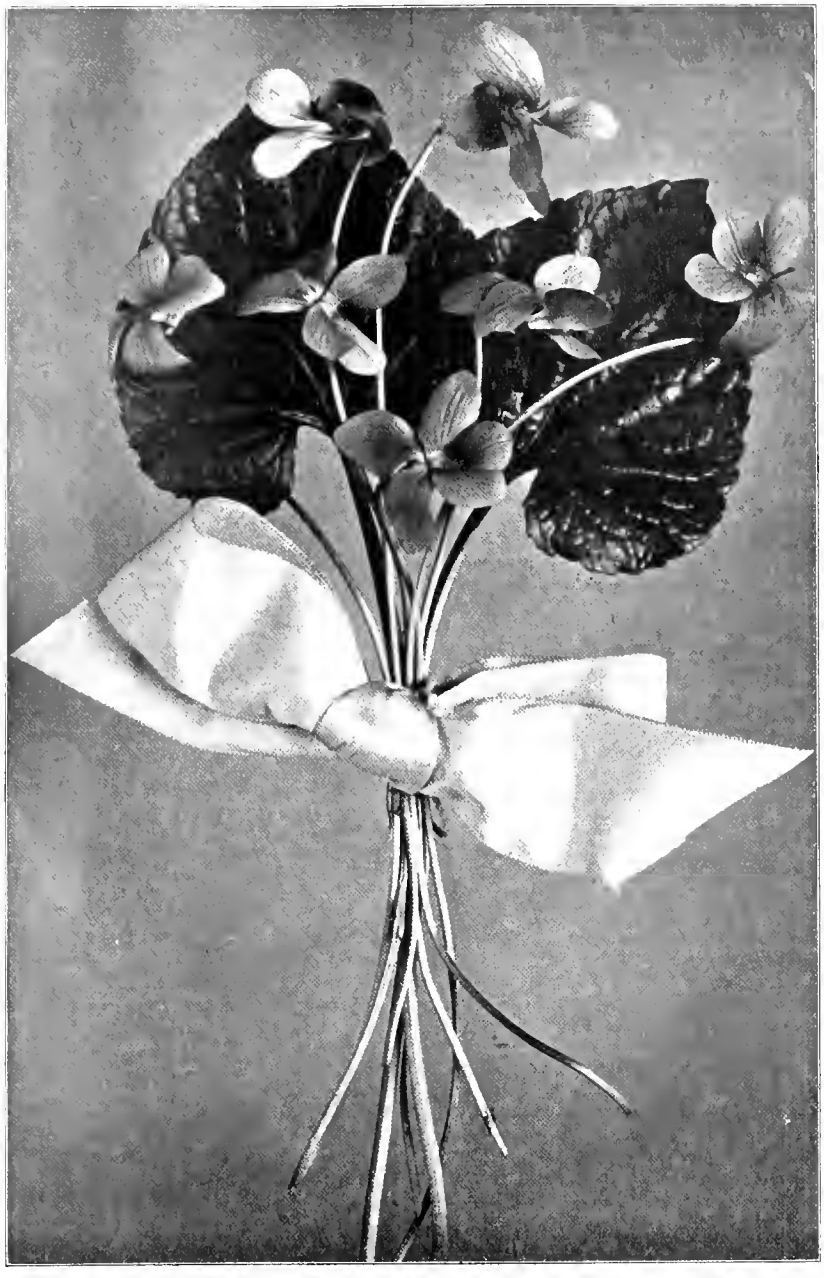
A fine vase of Barberton daisy from A. Herrington, and a table of hardy plants in bloom, such as doronicums, primulas and irises were also from Dreer. A full line of greenhouse vegetables were shown by John McCleary and Wm. Robertson.

Two specimen ferns from Thomas Long, gardener to G. W. C. Drexel, Bryn Mawr, were grand and much admired. They were Goniophlebium subauriculatum and Adiantum decorum.

FRANCIS CANNING.

The New Single Violet Dorsett.

P. H. Dorsett, of Garrett Park, Md., who has been very successful with violets for the past eight years, has sold his place to David Bisset, late foreman for J. R. Freeman. Mr. Dorsett has made arrangements to disseminate his new violet, to which he has given close attention for the past six years. This variety is a very valuable one, not only on account of its flowers but also for the very fine foliage, the yield of flowers and foliage being enormous. An average of eighty-one flowers have been picked from each plant thus far this season, and at the same time two fair sized houses of it have supplied enough leaves for all the other violet flowers picked, without in any way interfering with the health of the plants. The flowers have a deliciously delicate perfume, are rich, dark purple and sell as well as any other single variety. Nothing is known of the origin of this variety beyond that it was found growing in a semi-wild state in two gardens of the south, but in widely different localities. It is probably a hybrid between Viola odorata and one of the native species, probably Viola papilionacea. P. G.



THE DORSETT VIOLET.

Notes on Aquatics.

It is most gratifying to note that with the onward march of prosperity, horticulture keeps abreast of the times. There is an increasing demand for flowers, plants and trees in all lines and for a higher grade of goods. There is, too, a very great demand for hardy plants, perennials, herbaceous plants, old-fashioned, or whatever these hardy plants may be called. The demand for this class of plants only confirms the fact that there is more care taken, more thought given to the home garden, where tender exotics are not considered indispensable to make a garden attractive and inviting. This demand will continue to grow with an ever increasing love of nature and nature's gardens and flowers. The home garden, of the cottage as well as the mansion, is receiving greater attention, and homes, too, without gardens are decorated with plants and flowers, not only at festivities of royalty, but on every-day occasions. Flowers also find their way to the sick chamber and hospital, carrying health, brightness, cheerfulness, pleasure and much more to the sick. Let us, and especially those that are sick and unable to visit nature's gardens, have more of them.

It is a pleasure to note the increasing numbers of rural homes under construction and the improvements of old ones, the delights of country life and the tendency toward natural gardening. The landscape is not complete without water and where there is water surely there ought to be something in the way of water gardening, and where the garden is limited water gardening may be had in miniature. To a lover of flowers all are lovely, but all flowers have their season, some sadly too short and others not in place at all times. But of water lilies it may be said none come too soon, none stay too late. They are with us as soon as winter's chilly blast is o'er, and they are still with us till winter comes again. Spring, long anticipated and delayed, is here again and preparations are made or being made for the season's planting, so there is activity all along the line.

While it is most gratifying to realize an ever increasing demand for aquatic plants it is particularly noticeable that there is little change in this line in our public parks, certainly not the progress we might expect. There are different styles of water gardening and some fine examples are seen, and fine specimens of flowers, but where is there a model water garden to be seen to-day? Facilities plenty, material abundant, our public men are too much engrossed in business, politics or what not and too niggardly to make appropriation sufficient for an enterprising man to carry out any elaborate style of gardening. I know a case where a progressive superintendent has been working four or five years to construct a water garden and who has nearly accomplished his object but has no funds to purchase stock but would gladly exchange other stock that he may the sooner attain his desired and long looked for water garden. There may be others working under similar difficulties, but it ought not to be so.

On the other hand many are constructing ponds, building aquatic houses, ponds or pools adjacent to buildings. These must conform to architectural designs and are consequently formal, stiff, unnatural, unsuitable in more ways than one; sometimes too deep, at other times too shallow, and in most cases too small. Yet under these conditions success is expected, however great the difficulty. It has been our desire, and we have endeavored to remedy this error in construction by inviting all persons intending planting aquatics to write us giving particulars of the proposed pond and so forth, and we gladly offer practical suggestions as to construction, selection of plants and any other information, yet in most cases the pool or fountain basin or pond is made and all ready to plant and in many cases very inadequate for the plants intended to be grown.

Water lilies or nymphæas are very strong and attractive flowers, but there is a great difference between the hardy and tender varieties in growth, size of flower and foliage, and to the ordinary observer the largest flowers and the most attractive colors make the keenest impression. These are undoubtedly the tender or tropical varieties, and should these plants have a name attached to them it is very likely such varieties might be added to the list another season without consideration as to their fitness for the desired place or purpose. The trouble is that few of us realize what tropical vegetation is and do not give the plants a chance to grow or to develop their true character. Let all get closer to nature, have more natural ponds and surrounding and not attempt too much on a limited area, but select suitable varieties in each case and if certain varieties are desired see that adequate means are allowed for perfect development.

The culture of these plants is better understood to-day than ever before, and for those desirous of obtaining knowledge in this line there are books, pamphlets, cultural notes and so forth. To those who may propose growing these charming and most fascinating flowers I would say devote all available space and if the space is limited to a few hundred square feet do not attempt to grow everything, but select suitable varieties that are most likely to give the best results. Do not plant too soon. Hardy varieties may be planted as soon as vegetation is quite active and flowering shrubs are in blossom. They may also be planted any time during the growing season, right to the end of August, but at this late date they will only establish themselves, but will be in excellent condition to start quite early the following spring.

Do not plant nelumbiums before warm, settled weather is assured, which is usually May, but no date can be stated for general guidance over so vast an area. Conditions must guide in all cases and what is just right for one class of plants may be altogether wrong for another. Tender or tropical varieties should not be planted till early summer and the water is warm, the season varying with locality from the middle of May to the first week in June.

WM. TRICKER.

FRONDS OF NEPHROLEPIS EXALTATA PIERSONI.

Nephrolepis Exaltata Piersoni.

We have on several occasions referred to a new nephrolepis which has been attracting considerable attention for some time past at the establishment of the F. R. Pierson Company, Tarrytown, N. Y., and it affords us pleasure to present herewith an illustration of the fronds, although it must be confessed that the photograph from which the halftone is prepared does them but scant justice. We are indebted to Mr. Pierson for the following particulars regarding the plant. The fronds to which he refers arrived in excellent condition. They are very beautiful and quite distinct from anything we have seen in this line:

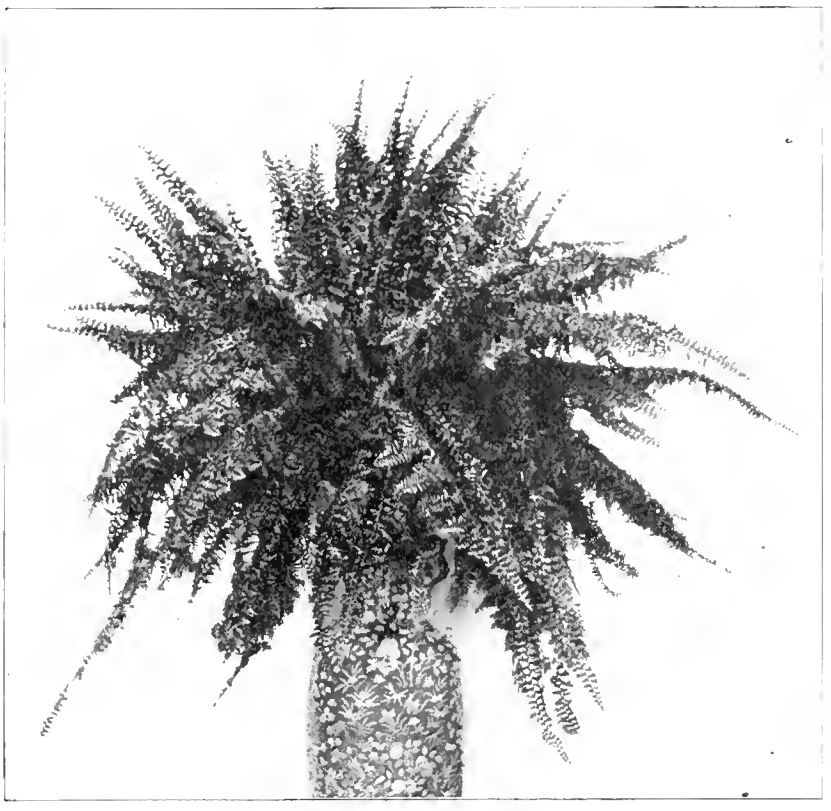
"It originated with us here three years ago, and was a sport from the Boston fern, showing the tendency to divide the pinnæ. The plant was carefully watched, and it has developed into this wonderful variation. As you will see from the fronds which I send, the pinnæ of the main frond subdivides, making a perfect miniature frond and producing a most graceful and beautiful effect. The group of three fronds gives a very good idea of the mossiness of the fronds, but you really would have to see a plant to appreciate the value of the variety.

"The fronds grow broad and heavy, and they increase in beauty as they develop. On account of the weight of the foliage, the plant assumes a much more graceful appearance than the Boston fern, and owing to the fullness of the fronds, even small plants are well furnished, making much more symmetrical and beautiful plants than the Boston fern. The divided pinnæ of the miniature side fronds keep growing constantly, and as they become developed they show a tendency to hang down, which greatly enhances the beauty of the plant. The fronds also show two distinct shades of green, the ends being of a lighter green, while the center and main part of the fronds show a dark, rich shade, producing a very beautiful effect. Quite a number of people have remarked upon the beauty of the plant on account of its showing the two shades of green.

"It is exactly like the Boston fern in all its characteristics, so far as growth, hardiness and general adaptability are concerned—in fact, as it is a sport from the Boston fern, it has its free-growing, hardy characteristics, but, as you will see, the Boston fern is not to be compared with it for effect, as it is a distinct thing. As some one has expressed it, there is no fern like it in cultivation. Everyone who has seen it is charmed with it. It is one of those novelties that speaks for itself. It is a novelty of a lifetime, we think. We consider it the most valuable novelty in the new plant line that has been introduced in many years, not only on account of its individuality and beauty, but on account of the fact that it appeals to everyone—people who grow house plants and florists who grow plants for sale, and it is a magnificent plant for greenhouse and conservatory decoration—in fact, it is a plant that appeals to everyone, and on that account we consider it the more valuable, because it should find a market wherever the Boston fern has been sold, and it will practically drive that variety out, as it is so much more beautiful.

"We expect to send it out in the spring of 1903. I hope that the fronds which I send you by express will reach you in good shape, and if they do, they will give you a better idea of the plant and its value than any description that I can give you by letter."

It may be added that this striking new fern was awarded the Massachusetts Horticultural Society's gold medal last week.



NEPHROLEPIS EXALTATA PIERSONI.
(Awarded gold medal at the spring exhibibition of the Massachusetts Horticultural Society.)

Boston.

EASTER WEEK FINDS EVERYONE WITH OCCUPATION FOR EVERY FACULTY.—PLANTS OUT OF GROWERS HANDS.—RETAILERS EXPECT BIG BUSINESS IN THAT LINE.—PROSPECTS GOOD FOR CUT FLOWER INDUSTRY.—ADVICE TO BULB FORCERS.—LAST DAY OF SPRING SHOW.—VARIOUS NOTES.

This is the week of all the weeks in the year when the commercial florist feels the necessity, every minute, of "a head to contrive, a tongue to persuade and a hand to execute" and he is far behind the procession if he does not feel that he could find a steady job for ten heads with the regulation equipment of tongues and hands. On all sides the unmistakable evidences of big business are seen even now, several days before Easter Saturday dawns. To buy a load of good plants in bloom is out of the question, so the plant growers tell us, sighing over the fact that they have not half a dozen more houses of Easter stock and mentally resolving that by the time next Easter comes around the half a dozen more houses will have materialized, no matter what the glass costs. The cut flower men are equally hopeful and indulging in visions of empty cellars and denuded plants. We hope that their anticipations will prove correct and their hopes be realized and there is a fair chance that they will be if the weather should be propitious, for there does not seem to be a very unwieldy crop in sight. Should the last days of the week be like the beginning, gloriously bright and spring-like, then just look for the best and biggest Easter that ever made Boston florists happy. Of lilies, it is said by the enthusiasts, there are not enough to last beyond Thursday and they point in proof of their position to the thousands upon thousands of lilies thrown out as worthless, all of which, it is assumed, the market would have easily digested. But by the time these lines have reached their readers we shall know all about it. And now, while the subject is warm, make your bulb supply man give a guarantee that the lilies he sells you for next year shall have been allowed to stay in the ground until thoroughly ripened and absolve him from any criticism should he get them to you a month later than this year in consequence. Evidently in the matter of Easter lilies "haste makes waste," and very wasteful waste at that. No effort is being made this year to separate the longiflorums from the Harrisii and a lily's value depends upon its perfection regardless of which section it belongs to. The middle of the week sees some very careworn-looking roses coming in to the wholesale markets. Undoubtedly they have been in the "cooler" for some time. If this sort of material should be much in evidence at Easter it will be another straw on the back of the much-abused Easter flower trade.

The third day of the spring exhibition brought out an unusually fine display of violets from Norris F. Comley, Wm. Sim and Col. Pfaff. Mr. Comley's collection was very complete, taking first for Campbell, M. Louise, Neapolitan and second for Imperial and La France. Mr. Sim received first prize for Princess. Other awards not recorded in our report of last week were made, to Harvard Botanic Garden a certificate for Richardia Pentlandii; to W. P. Winsor, Peter Murray, gardener, a certificate for the beautiful Cœlogyne pandurata; to M. H. Walsh honorable mention for rambler roses Fairy Queen, La Fiemetta and Miss Simplicity, and to R. & J. Farquhar & Co., honorable mention for Shizanthus Wiestoniensis. Miss E. J. Clark showed a fine vase of Prosperity and Olympia carnations, N. F. Comley a collection of camellia blooms, E. E. Riley hybrid primulas, and in the class for vase of 100 carnations J. S. Bailey was first and Peter B. Bradley second. F. J. Rea showed a plant of Œnothera speciosa rosea. Lilies and azaleas were conspicuously absent. The cold weather at the time of opening the show may have been partially responsible. The attendance on Sunday was quite large.

The first session of the hearing before the committee of Metropolitan affairs on the question of the consolidation of the public grounds department, with the park department, which took place on March 24, was attended by an immense throng, the largest committee room in the State House being filled to suffocation and hundreds besides were turned away because there was no room for them.

George T. Powell, director of the school of practical horticulture at Briarcliff Manor, N.Y., delivered a lecture before the Twentieth Century Club on March 19, on "The relation of education to the future development of agriculture and country life." He advised a more general adoption of nature study in the public schools.

Messrs. Bryan Lathrop and O. C. Simonds, of Chicago, are in Boston gathering information relative to the public play grounds. Chicago will spend two and a half million dollars on a similar system.

On Thursday evening and Friday March 27 and 28 occurred the annual session of the executive committee of the Association of New England Park Superintendents. The visitors were the guests of the Horticultural Club of Boston, at the Quincy House, on Thursday evening.

On Wednesday evening, March 19, Messrs. Jas. and John Farquhar presented their lecture on the Hawaiian Islands before the Houghton Horticultural Society at Lynn, the occasion being the annual dinner of that prosperous amateur organization.

Wm. Scott, of Buffalo, was a visitor this week and his time was spent visiting some of the floral establishments in the suburbs which were then at their best, in their Easter dress, and the proprietors of which are among Mr. Scott's old and very warm friends.

The opening spring sale at McCarthy's auction rooms will be held on Friday, April 4, at 9:30 a. m. A fine lot of ornamental stock will be offered.

Visitors, S. C. Nash, Clifton, N. J.; John Wilson, Burlington, Vt.; E. J. Harmon, Portland, Me.; Henry J. Haas, Newport, R. I.

Denver.

EASTER TRADE PROMISES TO BE BIG.—LARGE SUPPLIES IN THE PLANT LINE.—LIKELIHOOD OF FEW SHORTAGES IN CUT FLOWERS.

Everything points to a good Easter trade. Stock in plants is not over abundant, still I think it will be a grand hustle to clean up the market. Good lilies are scarce, only about half as many as last year being in. Prices have advanced owing to this and $4 per dozen flowers and buds is being asked. Good Ramblers are to be seen, as well as hardy roses. Rhododendrons are good and will

probably take well. Not as many azaleas are noticed as last year, but the quality is good and will, I think, fetch better prices. Spiræas are plentiful, as is bulbous stock. I expect quite a trade will be done in made up baskets, which are popular and seem to outsell everything else.

In cut flowers the supply will fill all orders, with possibly the exception of Beauties and Liberties. Tea roses are good, both in quality and quantity. Carnations also show up in good quantities with quality very good. Violets will have a good run and as there are plenty around there will be no worry about them.

The weather looks favorable so far and unless we have a very sudden change we will go through a hard but pleasant week. B.

Chicago.

EASTER WHOLESALE BUSINESS VERY LARGE BUT NOT MUCH AHEAD OF A YEAR AGO. —STOCK PROVES PLENTIFUL IN MOST LINES.—BIG CROPS AT HAND.—LAWSON CARNATION BADLY SPLIT.—A VARIETY OF LOCAL NOTES.

Writing on Friday, in the midst of the Easter rush, it seems unlikely that the season's business will largely exceed that of the splendid Easter of a year ago, although all the shipping houses have their hands so full that it is not yet possible to tell just where they are at. It is reported that a large inquiry has been made for cheap goods and that, while there are in the market many very large orders for high grade material, many of the buyers are setting their own prices and demanding nothing but good stock at lowest quoted figures. This, of course, operates to the distraction of the shipper and the close of the shipping business may see many of these orders unfilled, but there is every indication that in most lines there will be ample stock to meet reasonable requirements. The high price at which good lilies are held has operated to cut down the orders for this specialty to a point where it is probable that most of the demands can be satisfied. There may develop a shortage of first-class roses but, before the smoke has cleared away from the scene of action, it appears that there are carnations more than enough to meet requirements, although late buying may consume everything in sight. Monday morning found a scarciety of material in the market, for it was a good shipping day, but Tuesday saw a glut, which was worse on Wednesday, before the Easter shipping fairly began. Then things moved lively for a time. The receipts have been tremendously heavy in many lines, particularly long Beauties and carnations. The cuts seem to be just coming on with most of the growers and the favorable weather has operated to greatly increase the supply. While business promises to be brisk immediately following Easter, with the usual large demand from all over the country for wedding material, the cuts for the next few weeks will be very heavy here and exacting indeed must be met in this market.

The usual meeting of the Florists' Club was held March 26, but owing to Easter trade preparations there was only a quorum present. The secretary was instructed not to notify members of the meeting of April 9 as that date immediately follows the second grand annual entertainment and ball to be given under the auspices of the club at the Masonic Temple, April 8, so that the first April meeting will not take place. Charles Anderson has promised a paper for the second meeting, April 23.

Weiland & Risch are growing nearly five houses of the Mrs. Lawson carnation and are having a tremendous cut of as fine flowers as this variety ever produced, but they are finding the greatest fault of the sort to be its propensity to split the calyxes. They say that fully one-half and probably two-thirds of the blooms are split, despite their most careful efforts at growing. On an active market the split stock moves at half the price of the perfect blooms, but on a dull market it will not go at all.

The Chicago Carnation Company's new addition will amount to 40,000 feet of glass, the houses being detached and constructed with Garland's plates.

E. E. Pieser says that the number of ferns this market consumed for Easter is something phenomenal, running into the many hundreds of thousands.

Wittbolds have a number of plants of Dreer's new fern, Cibotium Schiedei, and think highly of it.

The Kennicott Brothers Company sold 3,000 bunches of violets in one order Monday.

The grower who pickled for Easter certainly got the worst of it.

Visitors: John Boehner, Dayton, O.; F. A. Belt, Sterling, Ill.; Thos. S. Pritchard, of A. Wiegand & Son, and A. Billingsly, of Indianapolis; E. G. Hill and J. A. Evans, of Richmond; Geo. Souster, Elgin, Ill.

New York.

APPROACH OF EASTER BRINGS PERIOD OF QUIET.—BIG RUSH LOOKED FOR ON DAY PRECEDING FESTIVAL —RECEIPTS TOO HEAVY TO PERMIT OF ANY CONSIDERABLE INCREASE OF VALUES.—THE LILY SITUAUION.—VARIOUS NOTES.

The proximity of Easter seems to make no appreciable impression on the cut flower market, unless it be that the dullness that usually precedes a holiday is as pronounced as ever and little excitement is looked for until Saturday, when, if the weather holds good, things ought to be pretty lively. Last Saturday, the day before Palm Sunday, saw a nice little spurt in business, which was brisk while it lasted, and very welcome to all concerned. There is no marked curtailment of shipments this week and receipts of flowers of all sorts, tulips excepted, are more than enough to supply all demands. Carnations, alone, have scored an advance in value over last week but they are by no means scarce. In roses the influence of the warm weather appears in the heavier receipts of American Beauty, the liberal supply frustrating thus far any movement towards enhancing the prices. Pink roses, as a rule, have a faded appearance. Without stronger proof it will be only fair to attribute this for the present to the weather rather than to any disposition on the part of growers to hold them back for a rise in the market. It seems to be generally accepted that no advance of any account may be expected. Values on roses have held unusually well since New Year's. Of course there have been occasions when the prices were so small that even Johnnie Weir had to put on glasses to see them, but these cases were not continuous for any length of time and nothing to compare with the slumps of recent years has been experienced. Brunners are not in heavy supply, although they are usually quite a factor in the Easter cut flower market, but Jacqs seem to be coming along fast and the quality is generally good.

The story of the cut lily market will depend mainly on the disposition of the plants. If these are cleared out early there will no doubt be a lively demand for blooms, but at present writing buyers seem in no haste to secure a supply and the feeling that there will not be enough to fill all requirements is not so strong as it was, though the product is light in comparison with what it would have been had all the bulbs flowered. Indications are for a lighter supply of violets than was anticipated, but the demand is very light also and low prices are sure to prevail. Lily of the valley is again over-plentiful.

A cable dispatch from London on Monday, March 17, announced to Alfred Dimmock, Sander & Co.'s American representative, the sad news of the death of his little daughter, aged two years. This is the second one of Mr. Dimmock's children to die during his absence from home.

Thos. W. Weathered's Sons have secured the contract to erect a fine carnation house for Jos. Fuller, Leominster, Mass., size 32x200 feet.

A. Herrmann has had his place fitted out completely with electric lights.

Milwaukee.

GENERALLY SATISFACTORY CONDITION OF TRADE SHOWN BY RECORDS OF COMMISSION DEALERS. — TREND OF THE TIMES.—GROWER HAS A FINE RANGE.—A NOVEL DECORATION.

The condition of the flower market is quite satisfactory, although of course there are always some grumblers. The general pulse of the flower trade is most easily gauged at a general commission house like that of Holton & Hankel, where growers from both local and outside territory consign their output to supply the demand of all classes. The gross amount handled each week or month compared to the corresponding time of a year or two years previous tells a very interesting story. But these market reports do not inform you that older established firms which attempt to supply their stores from greenhouses managed by themselves are being crowded. Within the past three years three have sold out their stores, one more makes the change this spring and one of the principal west-siders is thinking seriously of following suit. When a storekeeper can twice a day look over the output of many growers and take his pick at prices gauged to supply and demand, he can cater to the public better than if he is chained to the product of one establishment. No ordinary concern can grow well all that a retail store may require.

A new feature here will be watched with interest. The C. C. Pollworth Company is doing a general wholesale commission business and has put up one of the largest plants of the season, certainly the largest plant in this state growing roses exclusively. The place was completed too late in the fall to be quite up to time for winter stock but at present the new spring growth is making a beautiful showing. The plant consists of six houses, each 23x256 feet, filled with Bride, Bridesmaid, Meteor, Liberty, Perle, Golden Gate and Kaiserin. Besides this rose plant, this firm still controls the Ductster place, but a short distance down the same road, where their stock of palms and ferns is kept.

Albert Hoga deserves a high compliment for the excellent lot of longiflorums he has for Easter. They are about as near perfect as can well be imagined. A batch of pæonias is also well done.

Looking over the north side of the city, we pass what was the greenhouse locality fifteen years ago, but farther out we come first to Wm. Edlefsen's establishment, the last greenhouses built by a retail florist and the first one to locate close by what is called North Milwaukee. Just beyond is the new plant put up by Nic Zweifle, a model carnation establishment. The field of carnations under the continuous roof supported by iron posts and Garland gutters is a sight well worth going a long distance to see. Mr. Zweifle's old place in the city is in good shape, as it always has been, but this large carnation plant is certainly the most perfect in Milwaukee county. He intends building more on the south this coming summer.

The Lenten season has been more busy than in other years. We are not noticing the difference that was expected. There have been so many small dinners and informal affairs, besides funeral work, that business has been good right along. Of course the favorable weather has increased the supply sometimes beyond the demand for some stock, but nothing like what might have been expected, receipts being generally well cleaned up. The wholesale market is secure in a larger number of Easter lilies than were to be had last year, but smilax is very scarce and common ferns have been held up to $2.50 per thousand with fair indications of reaching $3. The supply of fancy green stock, such as adiantums and asparagus is quite large.

The most noteworty event during Lent was the decoration for the Prince Henry banquet. It was novel in arrangement and elaborate. The success of this scheme was largely due to the skill of Mr. Kuenne, manager of Holton & Hunkel's wire department.

August F. Kellner and Miss Martha Preussler were married March 22. Mr. Kellner is an all-around florist and his bride for some time had charge of a department of A. Klokner's establishment. C. B. W.

Orange, N. J.

OCEAN VOYAGER GIVES INTERESTING DETAILS AS TO FLOWERS SENT TO OUTGOING STEAMERS.

A letter received from Jos. B. Davis, who is one of the excursionists on the steamer Celtic which left New York in February for Palestine and Mediterranean ports, gives some interesting notes regarding the quantity of flowers sent on board the steamer when about to leave New York. Mr. Davis states that there are 1,125 persons on board and that each individual had about ten friends to see him or her off and at least one in every ten brought flowers. The flowers filled all the cabins and passageways and there were also many flowering plants, such as azaleas, included in the display. To set the tables was out of the question until the steward had tossed many of them overboard, the destruction commencing as soon as the boat was well down the bay. On the seventh day out American Beauty, Bride and Bridesmaid roses and Lawson, Roosevelt, Maceo and Glacier carnations were all in good condition, and cattleyas lasted until the sixth day. The contributions were supplied by a large number of New York florists, including Thorley, Fleischman, Small, Warendorff, Christianson, Okkerse, Scallen and Stumpp, besides a number of the suburban florists.

Detroit.

CLUB DISCUSSES CONVENTIONS PAST AND PROSPECTIVE. — ASHEVILLE EXCITES INTEREST.—FINE PROSPECTS FOR EASTER.

The last club meeting, Wednesday evening, was well attended. Two new names were added to the roll of membership, which now numbers seventy-seven, exclusive of the honorary list. J. F. Sullivan read a paper describing his observations and impressions of his recent trip to Asheville, N. C. The remarks following indicated considerable interest and pointed to the probability of a large delegation to the convention from here, many of those present having already decided to go. A vase of the new carnation, Mrs. Potter Palmer, was on exhibition, having been sent by the Chicago Carnation Company. The specimens were very fine and elicited many favorable comments. A review of the visit to the carnation show at Indianapolis was also given by Mr. Sullivan, showing the many benefits to be derived from attendance at such exhibitions of the products of the most skillful growers.

Only the continuance of the present clear, beautiful weather is necessary to complete the conditions favorable to an Easter trade of unprecedented proportions. There will be an abundance of bulbous flowers and plants of all kinds. A fair supply of Easter lilies is visible and, while the plants are short, the foliage of most of the stock is good and the blooms fairly so. Reports indicate a general shortage of carnations and roses are in many cases off crop, Beauties decidedly so. The warm weather has faded the color of violets and diminished the size and quantity considerably but the demand will be fairly well supplied.

The many friends of Chas. Lohrman are pained to hear of the death of his wife after a very brief illness.

Frank Beard, Jas. Taylor and Jno. Dunn paid a visit to the growers of Grand Rapids last week. J. F. S.

Washington.

GOOD WEATHER BRINGS OUT STOCK FOR EASTER.—EVERYONE PREPARED FOR A BIG BUSINESS.—VARIOUS NOTES OF LOCAL DOINGS.

The weather being fine, with plenty of sunshine, there is a plenty of flowering stock in bloom for Easter. Hydrangeas, azaleas, Astilbe Japonica, tulips, hyacinths, lily of the valley and violets, and from all appearance roses and carnations, will be plentiful. All the florists have made preparations for a good show at their stores. Minder Brothers are cutting some fine roses, Brides, Bridesmaids, Kaiserins and Golden Gate, also carnations. Genesee is their best white. They have a number of Astilbe Japonica and azaleas. Clark Brothers have a fine showing of Carnot and Kaiserin roses in solid beds, and some fine lilacs and azaleas. The American Rose Company has hit it again this year with their lilies. Quite a number are "multiflora."

J. H. Small & Sons and Z. D. Blackistone had the bulk of the work for Dr. W. W. Johnson's funeral, a large number of designs being used, but all the florists had something to make for these obsequies.

Wm. R. Smith has been confined to the house for the past week with lumbago, but is able to be about again.

J. Louis Loose has a fine lot of Crimson Rambler roses, azaleas and Lilium longiflorum.

George C. Shaffer will use an extra store to display his plants for Easter. P. G.

Springfield, Mass.

TRADE ACTIVE AND ALL STOCK MOVING WELL.—PIERSON SENDS BIG SHIPMENT OF LILIES.—VARIOUS NOTES.

Business for the past week has been quite brisk, cut flowers of all kinds being in good demand. All florists have been quite busy with funeral work. Roses and carnations are scarce and the outlook for Easter is not very good. Bulb stock is plentiful but none going to waste. Flowering plants of all kinds are selling well, spiræa better than in former years. Lilies are plentiful and will be in grand shape for Easter. These were scarce two weeks ago here but owing to A. N. Pierson, of Cromwell, Conn., who shipped five car loads to this city March 10, there are now hundreds.

G. Stringwell, who has been with Mr. Howland, of Holyoke, has resigned his position to take charge of E. C. Mackintosh's private place in Holyoke.

Retailers are making good window displays and are showing some fine baskets, which I am sure will be sought after at the proper time.

Adams & Son have received a large shipment of roses, rhododendrons, box trees and so forth, which came through in good shape.

The Murphy Florist Company is in business difficulties. A. B.

Minneapolis.

TRADE BRISK AND SUPPLY SHORT OF THE DEMAND.—RETAILERS READY FOR EASTER.

Trade last week was rushing and a greater demand than the supply was noted all through the week. The dark weather which predominated shortened up stock so that large orders were filled with the best substitute that could be found. There will be a shortage of stock during Easter week and early orders will be the ones to secure their wants. This will make a greater call on the plant trade, with a fair supply of same. A call on our St. Paul friends found them prepared for a large trade. E. F. Lemke's store has been nicely redecorated. Mr. Lemke reports a good spring trade so far. Holm & Olson and L. L. May & Company are in good shape for the Easter rush.

Ralph Lathom has resigned his position with Wm. Donaldson & Company to take charge of E. Nagel & Company's store.

Some very attractive decorations are observed among the trade this week and stock looks prime. C. F. R.

SAN FRANCISCO, CAL.—J. H. Sievers is making an eastern trip.

NORWICH, CONN.—The greenhouse of C. F. Jennings was burned to the ground on March 22. Mr. Jennings was burning leaves and the fire communicated to the greenhouse.

NEW ORLEANS, LA.—The Gardeners' Mutual Protective Association of New Orleans will give a grand street parade with floats decorated with vegetables and flowers on May 11, to be concluded with a festival and ball at the Southern Park.

THE AMERICAN FLORIST

SEVENTEENTH 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.

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.

cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

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-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., Chicago.

EASTER of 1903 falls on April 12, two weeks later than this year.

THE season is developing an increased demand for hardy herbaceous stock.

THE price of window glass in less than car lots has been advanced five per cent and another raise is expected early in April.

As long as the dear people have money to spend there is no time for sack cloth and ashes; Lent need be no bugaboo to the florists while prosperity reigns in the land.

IT now appears, according to John Lewis Childs, that Rudbeckia Golden Glow was first discovered in western Illinois by a lady who sent it to him as a wild dahlia.

THE mailing label on your paper shows when your subscription expires; when you send your renewal note that the date changes within two weeks; it will serve as your receipt.

To make advertising continuously profitable the advertiser must fill his orders with good stock so packed as to reach the buyer in good condition and give him the worth of his money.

American Carnation Society.

DEPARTMENT OF REGISTRATION.

McDonald & Steele, Crawfordsville, Ind., register Tribe Ben Hur, a white carnation, very large, perfect form; a lustrous alabaster white, fine strong stem and growth; fragrant; a free bloomer, with no surplus grass.

ALBERT M. HERR, Sec'y.

Greenhouse Building.

Los Angeles, Cal.—Howard & Smith one house.

Kent, O.—John Smith, lettuce house 40x70.

Bakerstown, Pa.—Pittsburg Rose and Carnation Company, two Beauty houses 30x450.

Adams, Mass.—T. D. Brown enlarging.

Leonminster, Mass.—Jos. Fuller, carnation house 32x200.

Bermuda Easter Lilies Scarce.

The supply of Bermuda Easter lilies, according to a New York dispatch of March 24, is scant this season. The S. S. Trinidad, which arrived March 23, did not bring a single lily from Bermuda. The officers said no lilies were in bloom on the island. Bermuda usually sends 10,000 lilies to New York before Easter.

Most Welcome of All.

ED. AM. FLORIST:—I enclose $1 for next year's FLORIST. I have two dailies, four weeklies and two monthly magazines, but the most welcome one is the AMERICAN FLORIST. It is always read, even if I have time for nothing else.

C. W. SIBLEY.

Athol, Mass.

An Easter Paean.

"Hail, gentle spring!
(We prefer hail to cyclones
Or high water.) In tones
Of purest affection
We announce your election
To first place in our hearts,
Dear creature of many parts
We lift up our voices and sing.
Hail, gentle spring!
True, this may be a false start.
The part
For several weeks may not be due;
Still, we hail you.
For we know
You'll not throw
Us down, but will be here
Some time this year."

Wood Lice or Sow Bugs.

ED. AM. FLORIST:—Would you please inform me as to the best way to get rid of sow bugs? We have tried to gather them up on sliced potatoes but cannot get them fast enough. This is the first year I have noticed that they did any harm, but they are feeding on everything, especially seedlings. C. P. M.

To a quart of cornmeal add enough brown sugar to sweeten, mix well together and add two table-spoonfuls of Paris green. Moisten a little with water, just so it will hold together. Place the mixture about in small quantities, on or under the benches, or wherever the bugs may be.

The Salvation of Lily Forcers.

I agree with George Anderson, of Philadelphia in what he says about the cause of the lily trouble this year, page 196, issue of March 8. The bulbs have been dug before being sufficiently matured. I have thrown out more than half of my lilies. This is certainly a very disgusting business. I believe our trouble with lilies will not cease as long as the bulb grower finds willing hands to take and pay for what he has to offer. Most of these men do not know the first thing about the requirements of a good forcing bulb, and never will. We will have to look for salvation at home. I believe a man with knowledge of the business, some capital and courage, could make good money by growing lilies in the United States Some years ago I received 500 Lilium longiflorum bulbs that were grown near New Orleans and I have never seen better lilies, before or since. Such bulbs as these could be sold for $150 per thousand, and would be cheap in comparison with the trash we now receive from either Bermuda or Japan.

EMIL BUETTNER.

The American Shamrock.

The newspapers are giving currency to rather a good yarn concerning our esteemed friend, Wm. R. Smith, chief of the National Botanic Garden, Washington, D. C. It relates to supplies of shamrock for members of the national legislature on St. Patrick's day, and runneth thus:

Many of the members of the house made their appearance to-day wearing "shamrocks" in honor of Ireland's patron saint. That is to say, they thought they were wearing shamrocks, but they were really adorned with large leaves of watercress. In anticipation of a demand for the three-leaved emblem of Ireland, Sergeant-at-Arms Cassou sent a page to the botanical gardens to-day for a suitable supply.

The page was of German descent and the superintendent of the botanical gardens was born in the land of "Bobbie" Burns, to whose memory he is devoted. Whether the responsibility should be placed on the Teuton page or the Scotch gardener, the fact remains that instead of shamrocks the page returned with a large bunch of watercress.

The loyal sons of Ireland were justly indignant when they learned they were wearing a delicious table relish instead of the beloved shamrock, but finally accepted it as a substitute. Representative Sulzer, champion of Ireland, would not be deceived and wore on the lapel of his coat a small green flag with a golden harp.

Another New Magazine.

We are informed that Wm. Robinson, the well-known author of the "English Flower Garden," founder of the *Garden* and for many years its editor, intends publishing a monthly magazine, the *Garden Flora and Sylva of Northern and Temperate Countries*, to be devoted to out-of-door vegetation. The intention is to make it more for artistic excellence than for pecuniary benefit as he believes there is a field for and a large constituency of garden lovers that would appreciate and support the publication. Mr. Robinson should know about the support end of the proposition and we heartily wish him all success in the new venture.

OBITUARY.

JAMES PENTLAND.

James Pentland, the dean of Baltimore florists, passed away very suddenly in the small hours of the morning of March 19, at the venerable age of 81 years. He was without doubt one of the oldest active florists in the United States and had been in business at his original location for more than half a century. He was born at Grey Abbey, County Down, in the north of Ireland, on October 28, 1821. His family came to America when the boy was eleven years of age, locating at Philadelphia, but removing to Baltimore in 1837. The lad had served an apprenticeship at gardening, and quickly found employment at Greenmount Cemetery, where he remained for several years. In 1849 he bought the property opposite the cemetery entrance, where he conducted the business until the day of his death. His principal stock in trade was bedding material and so forth, but he gave particular attention in the early days to garden roses and prior to the Civil War he was given credit for having the largest collection and probably the largest output of plants of any florist in the country. Through long years of hybridization he evolved many good varieties, some of which he introduced to the trade, some of the best known being Dr. Kane, introduced in 1856; George Peabody, introduced in 1857, and Woodland Marguerite, introduced in 1859. Mr. Pendland also grew the camellia extensively and some of his seedlings are still in the trade. He was a man widely esteemed for his personal qualities and his conversation was rich in reminiscences of the notable events of his long career. He was a Mason and for thirty-three years a member of the Maryland Institute. He also served as a director of The House of Refuge and was a member of the House of Delegates in 1868. He also served one year as president of the Baltimore Gardeners' and Florists' Club. Mr. Pentland was thrice married and is survived by a widow and three children.

Catalogues Received.

Joseph Bancroft & Son, Cedar Falls, Ia., cut flowers, seeds and plants; J. K. Alexander, East Bridgewater, Mass., dahlias; Phœnix Nursery Company, Bloomington, Ill., plants, bulbs, trees and shrubs; Bloodgood Nurseries, Flushing, N. Y., trees, shrubs and plants; Ellwanger & Barry, Rochester, N. Y., trees shrubs and plants; E. H. Krelage & Son, Haarlem, Holland, plants; J. Gammage & Sons, London, Ont., plants; P. Loef, Az. & Company, Boskoop, Holland, plants; J. Van Reisen & Son, Voorhout, Holland, bulbs and plants; Jacs. Smits, Naarden, Holland, trees and shrubs; the Acme Chemical Company, Ltd., Tonbridge, Kent, England, weed killer; John Peed & Son, London, S. E, England, plants; Walker & Pratt Manufacturing Company, Boston, Mass., boilers; Chicago House Wrecking Company, Chicago, second-hand material; Bobbink & Atkins, Rutherford, N. J., plants, trees and shrubs; John Fay Kennell, Rochester, N. Y., gladioli; Soupert & Notting, Luxembourg, Grand Duchy, roses; Cotta Nursery & Orchard Company, Freeport, Ill., plants, trees, and shrubs; A. Tilton & Son, Cleveland, O, seeds; Harlan P. Kelsey, Boston, Mass., wholesale and retail plants; F. R Pierson Company, Tarrytown-on-Hudson, N. Y, seeds, bulbs, and plants; Wm. F. Kasting, Buffalo, N. Y., cut flowers and florists' supplies; Samuel C. Moon, Morrisville, Pa., trees and shrubs; Elizabeth Nursery Company, Elizabeth, N. J., trees, shrubs and plants; J. H Gregory & Son, Marblehead, Mass., seeds.

TUXEDO, N. Y. — The semi-monthly meeting of the Horticultural Society was held March 25, President Scharffer in the chair. One new member was elected and three applications received. It was decided to have a chrysanthemum show the first week in November. Frederick Bentley read a paper on bedding plants.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (six words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1902 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—By married man, good all-around hand; eight years' with last employer, good reference Address
J L, 223 E. Wood St., Norristown, Pa.

SITUATION WANTED—By practical florist and gardener, competent to take charge of country place; references: German; married, one child. Address TH H, care American Florist.

SITUATION WANTED—By German, age 32; single; 17 years' experience in greenhouse work; 7 years in this country; place near Chicago preferred. C B, care American Florist.

SITUATION WANTED—As foreman or all-around grower, Beauties a specialty, also other kinds, carnations, etc. Single; 24 years' experience. R S, care American Florist.

SITUATION WANTED—By landscape gardener and florist, 22 years' experience, No. 1 references, competent to take charge of first-class private place. State wages. Address
N, care American Florist.

SITUATION WANTED—By A1 grower of roses and general stock; 20 years' experience in New York and Chicago, have now charge of 75,000 feet. Want A1 position in up-to-date place.
I I, care American Florist.

SITUATION WANTED—By experienced florist and gardener, also designer and decorator; married, no children; would like to take charge of private or commercial place; age 29; German; best of references. Address
J A K, care American Florist.

SITUATION WANTED—As foreman by thoroughly practical florist. Good decorator, designer, etc. Grower of No. 1 roses, carnations and 'mums. First-class commercial or private position. Good wages expected. Address
G. FOREMAN, care P. O., Canton, O.

SITUATION WANTED—By good all-around florist; 18 years' experience; good grower of palms, ferns, pot plants in general and cut flowers; A1 references. Like to get position in place owner intends to sell or rent. State full particulars. Address.
A L, care Schepau, 3455 State St., Chicago.

SITUATION WANTED—By a successful grower as foreman or to take charge of section, or would grow on shares. As to ability I can show stock in first-class condition. I am Beauty grower for John Muno, Chicago. Married; middle age; life experience; Chicago suburbs preferred. Address HENRY KRANZKE,
540 Estes Ave., Rogers Park, Chicago.

SITUATION WANTED—As head gardener on gentlemen's place. First class man with life experience in all the branches of horticulture; willing to work and take charge of large place. Expert in growing bedding stock, cut flowers, landscape work; handle labor to best advantage. High wages expected. Have charge at present of private place in Colorado. Open for engagement May; German, age 36; married; best references
PRIVATE GARDENER care American Florist.

WANTED—Two men for general greenhouse work and two helpers for rose sections.
J. F. WILCOX Council Bluffs, Iowa.

WANTED—A good all-around single man; also an assistant. Good wages and steady work. J. F. GIBBS, Woodville, Allegheny Co., Pa.

WANTED—Young man with some knowledge of rose growing and greenhouse work. State wages wanted with board. R, care Am. Florist.

WANTED—Carnation grower with some knowledge of steam fitting. Good wages and steady job. Married man preferred.
SCHAFER, 277 Balmoral Ave., Chicago.

WANTED—If E. H. Smith, formerly of Macomb, Ill., will send address to 5 9 Eddy St., Fort Scott, Kan., he will hear something to his advantage.

WANTED AT ONCE—A good designer and good salesman; must be of pleasing address, sober and reliable. None other need apply; when answering state experience with reference.
E. J. BOLANZ, Akron, O.

WANTED—Young man for general greenhouse work on commercial place; must be good on design work. Address, with references, age and salary, I R, care Eastern Office Am. Florist,
79 Milk St., Boston, Mass.

WANTED—Single man good grower of roses, carnations, 'mums and bedding plants; must be sober and honest; wages, $30 per month, room and board. References required Address
NICHOLAS AMOS Crestline, O.

WANTED—At once, experienced man for general greenhouse work. Single man, German preferred. Wages, $30 00 per month with room and board. References required. Address
J. A. BIESINGER, Lansing, Mich.

WANTED—A man at once who thoroughly understands roses, carnations, chrysanthemums and general stock. Must be sober and industrious. State wages wanted, if married or single and age. SUNNYSIDE GREENHOUSES,
Owosso, Mich.

WANTED—A good all-around man to take charge of 25,000 feet of glass. A good designer and able to wait on customers. Must come well recommended. Single man preferred. Good wages paid for the right man.
W. W. COLES, Kokomo, Ind.

WANTED—Young man, single, with some experience of rose and carnation growing, and general greenhouse work. Must be sober and industrious; references required. State experience and wages per month with board and room.
H. L. CRUIKSHANK, St. John, N. B., Can.

FOR RENT—Greenhouses and 14 acres of land with good dwelling and good water supply, without extra expense for rent. Enquire of
T. H. WRIGHT & Co., Ft. Dodge, Ia.

FOR SALE—A profitable and growing florist business for sale at a very low price, with or without real estate. A great bargain. Address for particulars. ALMA S. PATTERSON,
Fort Scott, Kan.

FOR SALE—Prosperous up-to-date retail florist business, complete, established 12 years; can show handsome profits. Engaged in another enterprise reason for selling. For full particulars address CHARLES H. FOX,
21st and Columbia Ave., Philadelphia, Pa.

FOR SALE—In Ravenswood, Chicago, fine plant of greenhouses, 20,000 feet of glass, good house, 6 rooms and bathroom. All in good running order. Within one block of three lines of electric cars A bargain. Address
CHAS. E. NASLUND, 1829 Lincoln Av., Chicago.

FOR SALE—An old established florist business in Baltimore city consisting of dwelling, greenhouses and cold frames fully equipped. Several large cemeteries adjacent. Entire property and business including large stock for spring trade is for sale. Death of former owner cause of sale. Address N. RUFUS GILL & SONS,
215 St. Paul street, Baltimore, Md.

WANTED.

Foreman for commercial place growing cut flowers and plants. 70,000 square feet of glass. Modern houses. Good wages to man who can grow first-class stock. References required. A B, care Am. Florist.

WANTED.

At once, good general greenhouse men with experience on roses and carnations. Good wages. Apply with references.
C. W. Johnson, Supt. Greenhouses,
H W. BUCKBEE,
Rockford Seed Farms,
Forest City Greenhouses, Rockford, Ill.

Wanted, Greenhouse Manager.

We desire to contract with a man of integrity and ability to take charge of high grade greenhouse plant of 15,000 feet measured bench. A man having sufficient capital for operating expenses will be given a liberal interest in the profits. The entire products can be contracted for. Address
THE ROSEBANK CO. CINCINNATI, O.

$300 Per Month.

Do you want it? If so, buy me out NOW, at your own price. Good reasons. 15,000 feet. It costs you a postal card to have particulars.

C. S. FITZSIMMONS, Lansing, Mich.

For Sale at a Bargain

Greenhouses, 25,000 square feet of glass, all in good condition and paying well; within 20 miles of Chicago. Owner is going to retire from business. Address
F S, care American Florist.

FOR SALE OLD ESTABLISHED

FLORIST BUSINESS

4½ acres of ground, 10 greenhouses, several cold frames, 7 room house, barn, etc 30 minutes from N. Y. city. Large cemetery opposite. Trolley cars pass place. 36 years in present location. Entire property and business, including large stock for spring trade. Call and inspect.

Mrs. C. M. Hutchinson, Elizabeth, N. J.

If you want to get the want you want to get, you want to get your want ad into the

AMERICAN FLORIST

Try it now.

Every advertisement represents a genuine want. It pays to answer them.

Pittsburg.

LENT MORE ACTIVE THAN IN PREVIOUS YEARS.—GENERAL SATISFACTION AT TRADE CONDITIONS—CARNATIONS ARE SCARCE.—A VARIETY OF LOCAL NOTES OF BUSINESS AND OTHER DOINGS.

I do not think that Lent, with its customary business depression, has aroused the slightest discontent, for the Pittsburg and Allegheny florists have no reason to complain over the general condition of trade for the past season. Business activity in all lines has been great this winter, and it is fair to presume that the florists derived their share of the benefits. Some good roses are coming in, principally Brides and Bridesmaids. Meteors are small but of good color. American Beauties are scarce and not generally in demand. Sweet peas, marguerites and snapdragons are coming in very nicely and violets are fair, but the market is weak. Some azaleas have made their appearance in the stores, but are nothing extraordinary. Carnations have been fine. Goethe, Lawson and Prosperity are holding their own as to quality. Cheaper carnations are very scarce. We have no trouble disposing of the good ones, as they bring good prices and sell themselves.

A part of the business districts of the cities of Pittsburg and Allegheny suffered very greatly from the effects of the recent flood. During the flood Mrs. E. A. Williams could reach her place only by skiff or wagon. L. I. Neff, the Pittsburg Cut Flower Company and Breitenstein & Flemm, who are further up town, escaped with flooded cellars.

Blind Brothers have been sending in some fine Brides and Bridesmaids. I understand they intend erecting some new houses, growing roses and carnations only. Conrad Blind was the founder of the above establishment. He has retired from active business and is succeeded by his sons.

The Pittsburg Rose & Carnation Company, located at Bakerstown, eighteen miles from Pittsburg, is meeting with excellent success and the present condition of the plants indicates that Mr. Burki's desire for quality will be realized to a very great extent.

Walter Carney, lately with the Pittsburg Cut Flower Company, has assumed the direction of L. I. Neff's new store at Homestead, Pa. Homestead is a busy town and there is no doubt but what Mr. Neff and Mr. Carney have made a good move.

James B. Murdock, of J. B. Murdock & Company, informs me that he is preparing to erect some new houses on a large place recently purchased near Washington, Pa. Mr. Murdock expects these houses to be the most complete in Pennsylvania.

Frank Schorn, of A. M. Murdock's, is the father of the finest five-months-old boy in Pittsburg, for none of the other florists has a five-months-old baby and there is therefore none to dispute.

E. L. M.

GIBSON CITY, ILL.—The Swan Peterson Floral Company has its place in good shape, with good crops and a brisk business.

MECHANICSBURG, O.—S. L. Harper is planning to rebuild his range of 5,000 feet of glass this spring, using iron posts and gutters.

PEORIA, ILL.—Fire which on March 11 completely destroyed the printing establishment of B. F. Brown & Company, brought loss to J. C. Murray, whose catalogue was in the hands of the printers.

Cut Adiantum

Any Quantity, very fine, $1.00 per 100.
Bulbous Flowers in largest assortment.
CUT FLOWERS of all kinds.

Holton & Hunkel Co.
Milwaukee, Wis.

Wholesale Flower Markets

MILWAUKEE, Mar. 27.

Roses, Beauty, long, per doz.	3.00@ 5.00
" " med. "	1.50@ 2.00
" " short "	.50@ 1.00
" Liberty	6.00@10.00
" Bride, Bridesmaid	6.00@ 8.00
" Meteor	6.00@ 8.00
" Golden Gate	6.00@ 8.00
" Perle	6.00@ 8.00
Carnations, ordinary	3.00
" fancy	4.00@ 5.00
Violets	1.00
Callas	12.50@15.00
Harrissi	15.00@18.00
Lily of the valley	4.00
Daffodils	3.00@ 4.00
Tulips	2.00@ 3.00
Adiantum	75@ 1.00
Smilax	18.00@20.00
Asparagus	65.00
Common ferns	.25

PITTSBURG, Mar. 27.

Roses, Beauty, specials	40.00@50.00
" " extras	20.00@30.00
" " No. 1	10.00@15.00
" " No. 2	3.00@ 6.00
" Bride, Bridesmaid	3.00@15.00
" Meteor	6.00@12.00
Carnations	1.50@ 6.00
Lily of the valley	2.00@ 4.00
Violets	.20@ .75
Harrisii lilies	8.00@12.00
Romans, Paper Whites	1.00@ 3.00
Tulips	3.00@ 5.00
Lilac per bunch,	1.00@ 1.50
Sweet Peas	1.00@ 2.00
Smilax	12.50@15.00
Adiantum	1.00@ 1.50
Asparagus	50.00@75.00

CINCINNATI, Mar. 27.

Roses, Beauty	20.00@40.00
" Bride	4.00@ 6.00
" Bridesmaid	4.00@ 6.00
" Meteor	4.00@ 8.00
" Perle	3.00@ 4.00
Carnations	1.50@ 3.00
Violets	.50@ 1.00
Harrisii lilies	15.00
Lily of the valley	3.00@ 4.00
Daffodils	3.00
Tulips	3.00@ 5.00
Romans, Paper Whites	2.00@ 4.00
Asparagus	50.00
Smilax	15.00
Adiantum cuneatum	1.00
Common ferns	20

ST. LOUIS, Mar. 27.

Roses, Beauty, short stem	5.00@12.50
" " long stems	15.00@40.00
" Bride, Bridesmaid	6.00@10.00
" Meteor	4.00@ 6.00
" Golden Gate	5.00@10.00
Carnations, ordinary	2.00@ 2.50
" choice	3.00@ 6.00
Violets	.35@ .60
Sweet peas	.50@ .75
Harrissi	15.00@20.00
Callas	15.00@20.00
Lily of the valley	3.00@ 4.00
Romans	2.60@ 3.00
Narcissi	3.00
Tulips	2.50@ 5.00
Smilax	15.00
Asparagus Spreogeri	1.00@ 1.50
" Plumosus	1.00@ 1.50

CHOICE
LILY of the VALLEY
in large quantities, the finest that is grown, $4 and $5 per 100.
JOHN WOLF, SAVANNAH, GA.

Frank M. Ellis,
WHOLESALE FLORIST,
1316 Pine Street, ST. LOUIS, MO.
CONSIGNMENTS SOLICITED.

H. G. BERNING
Wholesale Florist
1322 Pine St., ST. LOUIS, MO.

C. A. KUEHN,
Wholesale Florist,
1122 PINE STREET,
ST. LOUIS, MO.
A complete line of Wire Designs.

Pittsburg Cut Flower Co. Ltd
WHOLESALE FLORISTS.
Pittsburg, Pa.

The Cincinnati Cut Flower Co.,
416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.
Consignments Solicited.
Special Attention Given to Shipping Orders.

MICHIGAN
Cut Flower Exchange,
WM. DILGER, Manager,
WHOLESALE COMMISSION.
Full line of Florists' Supplies and Decorations.
Special attention to shipping orders.
26 Miami Avenue, DETROIT, MICH.

RICE BROTHERS
WHOLESALE FLORISTS and FLORAL SUPPLIES.
Receivers and Shippers of Fresh Cut Flowers.
Special attention to shipping orders. A complete line of Florists' needs. Send for price list. Prompt returns on all consignments.
128 N. Sixth St. MINNEAPOLIS, MINN.

Galax Leaves, Etc.

	Per 1000
Choice Bronze and Green, medium size	$ .50
Choice Bronze and Green, large size	.55
Choice Leucothoe Sprays	3.00
Choice Fancy and Dagger Ferns	.75
Choice Rhododendron Leaves	.50

Rhododendron Leaves for festooning, 50c per 1000.
Largest dealer on earth. Cash with first order.
J. N. PRITCHARD, ELK PARK, N. C.

Chicago Wholesale Cut Flower Association

E. C. AMLING,
Wholesale Cut Flowers
32-34-36 Randolph Street,
CHICAGO.

E. H. HUNT,
Wholesale Cut Flowers
76 Wabash Avenue,
CHICAGO.

McKellar & Winterson Co.
Wholesale Cut Flowers
45-47-49 Wabash Avenue,
CHICAGO.

BASSETT & WASHBURN,
Wholesale Cut Flowers
76-78 Wabash Avenue,
CHICAGO.

BENTHEY & CO.
Wholesale Cut Flowers
35 Randolph Street,
CHICAGO.

J. A. BUDLONG,
Wholesale Cut Flowers
37-39 Randolph Street,
CHICAGO.

J. B. DEAMUD,
Wholesale Cut Flowers
51-53 Wabash Avenue,
CHICAGO.

(Adopted by the Association.)

PRICE LIST

for week beginning March 31.

		Per doz.
BEAUTIES, 30 to 40 inch stem		$4.00
" 24 " "		3.00
" 20 " "		2.00
" 15 " "		1.50
" 12 " "		1.00
" 8 " "		.75
" short "		.50
		Per 100.
BRIDES, MAIDS, METEORS, OATES, Special A Stock		8.00
BRIDES, MAIDS, METEORS, OATES, Select		6.00
BRIDES, MAIDS, METEORS, OATES, Good average		4.00
PERLES, fancy	5.00 to	6.00
" medium	3.00 to	4.00
LIBERTY, fine	10.00 to	15.00
ROSES, our selection		3.00
CARNATIONS, extra fancy	3.00 to	4.00
" fancy, good average	1.50 to	2.00
VIOLETS	.50 to	1.00
MIGNONETTE	4.00 to	5.00

Bulb Stock.

EASTER LILIES, select		$12.50
" " seconds		8.00
CALLAS	10.00 to	12.00
TULIPS, double		4.00
" single, all colors		3.00
DAFFODILS, double, extra fine		3.00
DUTCH HYACINTHS		4.00
LILY OF THE VALLEY		3.00

Green Stock.

ASPARAGUS, Per string	$ .50 to	$ .75
" Sprays, Per 100	3.00 to	4.00
" Sprengeri, "	4.00 to	6.00
COMMON FERNS, Per 1000		3.00
" " Per 100		.30
GALAX LEAVES, Per 1000	1.00 to	1.50
SMILAX, extra heavy, Per 100	15.00 to	18.00
LEUCOTHOE SPRAYS, "		1.00
ADIANTUM, "	1.00 to	1.50
WILD SMILAX		Per case.
No. 1, 15-lbs.		$2.50
No. 2, 20-lbs.		3.25
No. 3, 25-lbs.		3.75
No. 4, 35-lbs.		4.50
No. 5, 40-lbs.		5.25
No. 6, 50-lbs.		6.00

JOHN MUNO,
Wholesale Cut Flowers
51 Wabash Avenue,
CHICAGO.

GEORGE REINBERG,
Wholesale Cut Flowers
51 Wabash Avenue,
CHICAGO.

PETER REINBERG,
Wholesale Cut Flowers
51 Wabash Avenue,
CHICAGO.

WEILAND & RISCH,
Wholesale Cut Flowers
59 Wabash Avenue,
CHICAGO.

FRANK GARLAND
Wholesale Cut Flowers
55-57 Wabash Avenue,
CHICAGO.

KENNICOTT BROS. CO.,
Wholesale Cut Flowers
42-44 Randolph Street,
CHICAGO.

WIETOR BROS.,
Wholesale Cut Flowers
51 Wabash Avenue,
CHICAGO.

Choice Beauties, VALLEY.

SAMUEL S. PENNOCK,
Wholesale Florist,
1612-18 LUDLOW ST., PHILADELPHIA, PA.

GEO. A. SUTHERLAND,
34 Hawley St., BOSTON.
Telephone 1270 Main.
BEST BOSTON FLOWERS. All Supplies.
An entire floor Devoted to Stock and Manufacturing. Distributing Agent for United States for the wonderful

"Floral" LETTER, unequalled for design work. Script, any color, 3½c a letter. Block letters, 1½c each. The most elaborate design work to order in a few minutes.

GENERAL AGENTS:
H. BAYERSDORFER & CO., Philadelphia.
REED & KELLER, New York City.

SPECIALTIES THIS WEEK:
Special American Beauty,
CARNATIONS,
Lily of the Valley, Violets.

CITY HALL CUT FLOWER MARKET
WELCH BROS., PROPS.
9 CHAPMAN PLACE,
15 PROVINCE STREET,
Boston, Mass.

FOR
Easter

I shall have a splendid assortment of every variety of flowers needed by the retail trade, at prices that defy competition.

WRITE ME ABOUT IT.

J. K. ALLEN,
106 West 28th Street, NEW YORK CITY.
Telephone 167 Madison Sq.

N. F. McCARTHY & CO.
84 Hawley St., BOSTON,
ARE RECEIVING ELEGANT ROSES ALL VARIETIES.
DON'T YOU WANTSOME?
Tel. 734 and 64 Main.

Geo. M. Moss,
WHOLESALE FLORIST,
32 South 17th Street, PHILADELPHIA, PA.
Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.

Wholesale Flower Markets

BOSTON, Mar. 26.

Roses, Beauty, extra	30.00@60.00
" " medium	20.00@25.00
" " culls	6.00@ 8.00
" Bride, Bridesmaid, Meteor.	2.00@ 8.00
" extra	12.00@16.00
Carnations	2 00@ 3 50
" fancy	4.00@ 6 00
Lily of the valley	2.00@ 4.00
Violets	.15@ .60
Harrisii lilies	10.00@12.00
Astilbe	2.00@ 3 00
Narcissus Paper White	1.50@ 2.00
" Yellow	1.50@ 3.00
Roman hyacinths	1.00@ 2.00
Tulips	2.00@ 3.00
Callas	8.00@10.00
Adiantum	.50@ 1.00
Smilax	16.00@20.00

PHILADELPHIA, Mar. 26.

Roses, Tea	6.00@10.00
" " extra	10.00@15.00
" Beauty, extra	45.00@60.00
" " firsts	20.00@40.00
" Queen of Edgely, extra	75.00
" " " firsts	25.00
Carnations	3.00@ 8.00
Lily of the valley	4.00@ 5.00
Asparagus	25.00@50.00
Smilax	12.00@15.00

BUFFALO, Mar. 27.

Roses, Beauty	7.00@35.00
" Bride, Bridesmaid, Meteor	6.00@12.50
Carnations	1.50@ 4 00
Violets	.50@ 1.00
Lily of the valley	3.00@ 4.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.50

Give Us a Trial. We Can Please You.

Roses, Carnations and all kinds of Seasonable Flowers in stock.
WM. F. KASTING, Wholesale Commission Florist,
481 Washington St., Buffalo, N. Y.
Dealer in Florists' Supplies and Wire Designs.
Open Day and Night.

Cut Harrisii Lilies.

I am growing the largest batch of lilies in New England. Have over 50,000 Harrisii besides plenty of Japans for Easter. Can supply blooms all the time from now till spring. Can fill orders for any quantity at an hour's notice.

H. N. EATON,
'Phone Connection. SO. SUDBURY, MASS.

MARKETING for flowers is a pleasure if done at the Headquarters of the
NEW YORK CUT FLOWER CO.
Here is the choicest stock of the most eminent growers, fresh every morning and in full variety. Goods selected and shipped to any part of the country. Always room for growers looking for an outlet for good cut flower stock.
DAILY REPORTS. WEEKLY PAYMENTS.
SALESROOMS { 55 & 57 West 26th St., NEW YORK CITY.
TELEPHONES: 2239 Madison Sq. 2034 Madison Sq.
J. A. MILLANG, MANAGER.

EUGENE BERNHEIMER
Wholesale Florist,
Phone 14269 A. 1604 Ludlow St., **Philadelphia.**
CONSIGNMENTS OF ROSES SOLICITED.

AMERICAN FLORIST ADS ALWAYS DO BUSINESS
Week days and every day, Sundays and holidays,
ALL OVER THE COUNTRY AT HOME AND ABROAD.

American Beauties. Carnations. Valley.

HIGH GRADE FLOWERS OF ALL KINDS.
LEO. NIESSEN, Wholesale Florist, N. W. Cor. Filbert & 13th St., Philadelphia.

Note the Smile of Satisfaction

When the consignor reads his returns / the buyer opens a box of flowers From

JOHN I. RAYNOR, WHOLESALE COMMISSION FLORIST.

Telephone 1998 Madison Square — 49 W. 28th St, NEW YORK.

YOUNG & NUGENT

WHOLESALE FLORISTS 42 West 28th Street, NEW YORK,

Are shipping the finest Roses, Carnations, Valley, Orchids, Novelties, in the New York Market. Price List to Applicants.

TELEPHONE 2065 MADISON SQUARE.

Walter F. Sheridan,

Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Telephone Nos. 2239 and 2034 Madison Square.

MOORE, HENTZ & NASH

Wholesale Commission Florists,

65 and 57 West 26th St., NEW YORK CITY.

Adjoining New York Cut Flower Co. salesroom. Finest Salesroom in the Trade. Inspection Invited. All business, selling or shipping, strictly commission.

WHOLESALE WILLIAM GHORMLEY, COMMISSION

RECEIVER AND SHIPPER OF FRESH CUT FLOWERS. DAILY STOCK OF ALL THE CHOICEST VARIETIES FROM BEST GROWERS WHO SHIP TO NEW YORK.

ORCHIDS, ROSES, CARNATIONS, VALLEY.
Largest receiver of VIOLETS in America

Telephone 2200 Madison Square, 57 WEST 28th STREET, NEW YORK CITY.

JOHN YOUNG

Special American Beauties, Surpassing Carnations, Violets, Lily of the Valley, Orchids, and all Seasonable Flowers.

51 West 28th St., NEW YORK.
Tel. 1905 Madison Sq.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR

Violets and Carnations

GROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER,
30 West 29th St., New York.
Telephone 551 Madison Square.

FRANK MILLANG,

CUT FLOWERS,

WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.
Telephone 299 Madison Square.

ESTABLISHED 1872.

JOHN J. PERKINS,

COMMISSION FLORIST,
Solicits Consignments or Shipping Orders. Satisfaction given in both.
Write for Terms. 115 West 30th St., New York.

POPULAR WITH THE TRADE.
Therefore a profitable place to send your Flowers.

M. A. HART'S,

48 West 30th St., New York City.
Telephone 325 Madison Square.

Choice Carnations. Selected Roses.

Traendly & Schenck

NEW YORK CITY,
38 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

NEW YORK, Mar. 26.

Roses, Beauty, select	30 00@40.00
" " medium	5.00@20.00
" " culls	1.00@ 3.00
" Bridesmaid, Bride, Meteor	2.00@ 6 00
" " " extra	6.00@10.00
" Liberty	1.00@ 4 00
" Liberty special	8.00@20 00
Carnations	1.00@ 2 50
Carnations, specialties	5 00@ 6.00
Violets	15 @ 50
Lily of the valley	1.50@ 3.00
Roman hyacinths	.75@ 1.50
Paper White narcissi, Freesia	1.00@ 1.50
Yellow narcissi	1.00@ 2 00
Callas	4.00@ 6.00
Sweet Peas	1.00
Tulips, single	1 00@ 2.00
" double	2.00@ 4.00
Lilac, per bunch	1.00
Harrisii lilies	8.00@12.00
Cattleyas	10.00@40.00
Mignonette	1.00@ 6.00
Smilax	10.00@15.00
Asparagus	25.00@50.00
" Sprengeri, per doz. bun.	2.00@3.00
Adiantum	.75@1.00

CHAS. MILLANG,

50 W. 29th St.,
NEW YORK.

FORD BROS.

Receivers and Shippers of

FRESH FLOWERS.

Best Violets in New York market.
111 WEST 30TH ST., NEW YORK.
Telephone 157 Madison Square.

Julius Lang

53 West 30th Street, NEW YORK.

REPRESENTS THE BEST GROWERS OF

ROSES, CARNATIONS, VALLEY.

TELEPHONE 280 MADISON SQUARE.

ALEX. J. GUTTMAN,

Wholesale Commission Florist,
A full supply daily of the choicest New York and New Jersey

FLOWERS.

52 W. 29th Street, NEW YORK CITY.
Telephone 1738 Madison Square.

A. H. LANGJAHR,

Wholesale Commission Florist,
BEST FLOWERS SHIPPED AT LOWEST NEW YORK PRICES.
19 Boerum Place, Brooklyn, N. Y.
TELEPHONE 939 MAIN.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.
Our Greenhouses at PLEASANT HILL, MO.
Our Store, 906 Grand Ave., KANSAS CITY, MO.
LONG DISTANCE 'PHONE AT EITHER PLACE.

Now in Season:
FREESIAS, DAFFODILS, TULIPS
LILAC, SWEET PEAS and ACACIA.

EDW. C. HORAN,

47 WEST 28TH ST.,
Tel. 421 Madison Square, ...NEW YORK.

CUT FLOWERS AT WHOLESALE.

All Roses, Violets

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

J. E. NORTHRUP, Pres.; S. F. LEONARD, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

Twentieth annual convention, Twin Cities, Minn., June, 1902.

VISITED CHICAGO.—John Lewis Childs, Floral Park, N. Y., enroute to California.

IT is reported that English pea growers are soliciting contracts from American seedsmen.

NEW YORK.—P. J. Van Heiningen is in the city in the interests of J. Van Reisen & Son, Haarlem, and P. Loef Az. & Co., Boskoop, Holland.

A LIST of the "American Varieties of Peppers," by W. W. Tracy, has been issued by the Department of Agriculture. It will be useful to seedsmen and growers.

W. F. JAGGERS, of Westhampton, Long Island, just returned from Bermuda, reports lilies looking very well, though late. Stephens Bros ' stock showed most and earliest flowers at that time.

LA CROSSE, WIS.—One of the largest timber deals ever consummated here was closed March 22, when Henry A. Salzer purchased half a billion feet of standing timber located in the state of Oregon.

ALFALFA is attracting constantly increasing attention as a fodder crop for the bottom lands in Iowa. Twenty pounds are sown to the acre and it should not be pastured the first season. Afterward two good crops can be grown each year.

D. M. FERRY has purchased a twenty-acre tract of land adjoining the athletic field of the University of Michigan and deeded it to the big Ann Arbor school. It is said to be one of the most valuable individual donations the University has ever received.

FIVE sturdy Hollanders, who looked more like army officers than peaceful gardeners, but who claimed to be bulb growers, says the *New York Sun*, spent the latter part of a night in the police station for seeing New York by lamplight. The judge next morning let them off with a reprimand.

The State of Trade.

Iowa Seed Company, Des Moines, Ia.—Advertising is bringing good returns this season.

W. W. Rawson & Company, Boston.—So far we think our mail and counter trade shows a decided increase over that of last year.

Livingston Seed Company, Columbus, O.—We were quite late with our catalogue this season and they were nearly all mailed out at the same time. This fact, together with the very mild weather we have had for the past two weeks, has given us a rush of orders, just at this time. We have not had time to make any comparisons with previous years. Our impression, however, is that the season, as a whole, will be a very successful one.

L. L. May & Co., St. Paul.—Catalogue mail trade showed an increase for January of sixty per cent over last year, for February eight per cent increase and so far in March about twenty per cent. The extremely mild weather in March may account for part of the increase but this is partially offset at least by the smaller number of books sent out. At the present rate the season should show from twenty to twenty-five per cent increase in sales. It is too early to say much about counter sales in this section, as they do not begin until April.

More Bad Lily Bulbs.

"NO BOTS AT ALL."

Seedsmen and bulb importers generally are well burdened with complaints on lilies forced the past winter. We have been favored with a copy of a quaint but forcible one, which we give verbatim below:

I am not satisfeit with them Bulbs you send me last Fall Special them Easter Lillie. I kan not get one in Blum the only a bot 3 inshes heih and mestli no Bots at all if the thos Blum. that bin about July. I Baid you for 35 good Bulbs (Bermuda Longi's) that would du me more good nau than 1000 from the oder one (Jap. Longi's) you dit send me 85 but the not worth a cent.

I tell you if you dont mack them Lillies good, what I mean if you dont send me a Box of Easter Lillis I not take a oder Bulb or Seed from you.

Easter is time for a Florist wher hie oht tu mak of you Dollar nau I set hier with nothing, you know that I hop I hear from you so soon as possible all I want to know yu send me a Box Lillies or not. BAUMGARTNER.

Alleged Cross Between Bean and Pea.

W. Smythe sends us two seeds of a dwarf bean (phaseolus), and one seed of an alleged cross between the bean and a pea (pisum). We must not say that such a bi-generic cross is beyond the range of possibility, but the probabilities are that some oversight has occurred. In any case the supposed hybrid seed is very curious. The seeds of the bean are about 12 mill. long, 8 mill. wide, compressed from side to side, oblong, obtuse at both ends, slightly kidney-shaped, chestnut-brown, shining, with a white, oblong, roundish scar or hilum, about 4 mill. long, partly surrounded by a blackish ring. The alleged hybrid seed is 11 mill. long, 9 mill. lat., greenish-yellow, oblong-ovoid, obtuse at each end, neither flattened nor kidney-shaped. The hilum is white, oblong, not surrounded by a deeper-colored ring.—*Gardener's Chronicle.*

Hot Water Cure for Bulb Mites.

G. S. Saunders, in reporting upon the richardia corms sent to a meeting of the Royal Horticultural Society's scientific committee, says that the corms were attacked by one of the "bulb mites", probably Rhizoglphus echinopus; it is a very difficult pest to deal with. Water at a temperature of 115° Fah. will kill them. I should add four ounces of sulphide of potassium to every quart of water and allow the bulbs to remain in the mixture for ten minutes or a quarter of an hour. I do not imagine it would injure them in any way, the injury does not seem to have gone very far below the surface, so that it might be well to cut out the injured portion before putting them into the warm water. I should be very careful not to allow any of the earth in which such plants were grown to get upon the potting-bench, or any uncontaminated soil.—*Gardener's Magazine.*

FLORAL PARK, N. Y.—Jerome J. Leahy, with J. R. Fuller & Co., has been seriously ill for several weeks.

TUBEROSES! TUBEROSES!

Double Excelsior Pearl, No. 2, 60c per 100; $4.50 per 1000.

CHINESE DOUBLE PAEONIAS Exceptionally fine roots, with 3 and 4 strong eyes, all colors mixed, per doz., $1; $6 per 100; $55 per 1000.

CYCAS STEMS, (SAGO PALM), 10 lbs., $1.00; 25 lbs., $2.00; 100 lbs., $8.00.

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Tuberose Bulbs

MEDIUM SIZE.

Sound, well cured, roots, 3 to 4-inch:

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At New York..... 4 50 per 1000

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" " 24 " "	4.00
" " 20 " "	3 00
" " 15 " "	2.00
" " 12 " "	1.50
6 to 8 " "	75@ 1.00
Bride, Bridesmaid	5.00@10.00
" Meteor	5.00@10.00
" Perle	4.00@ 8.00
" Golden Gate	5.00@10.00
Carnations	2.00@ 6.00
Violets	.50@ 1 00
Lily of the valley	3.00@ 4.00
Harrisii	10.00@20.00
Callas, per doz	1.50@2.00
Tulips	3.00@ 5.00
Daffodils	3.00@ 4 00
Adiantum	1.00@ 1 50
Common ferns.....per 1,000 $2 50	.30
Galax leaves, per 1000.....$1.00	.15
Smilax.....per dozen 1.25@ 1.50	

E. H. Hunt,

WHOLESALE.....

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THE "OLD RELIABLE,"

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Wholesale Grower and Shipper of **Cut Flowers**

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Wild Smilax

50 lb. case $2.50
30 lb case 1.75
Discount to Wholesale Dealers.

R. A. LEE, Monroe, Ala.

Please mention the American Florist when writing.

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HARDY CUT FERNS

At The Following Prices

In 1,000 lots	$1.50 per 1000
In 5,000 lots	1.40 "
In 10,000 lots	1.30 "
In 25,000 lots	1.25 "

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Please mention the American Florist when writing.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

R. C. BERCKMANS, Pres.; R. J. COE, Vice-Pres. GEORGE C. SEAGER, Rochester, N. Y., Sec'y. Twenty-seventh annual convention, Milwaukee, Wis., June, 1902.

PROF. J. L. BUDD, formerly of the Iowa Agricultural College at Ames, is now at San Antonio, Tex.

IRVIN INGELS, nurseryman, at La Fayette, Ill., is conducting a horticultural department in the *News*, published at Toulon, Ill.

AMONG desirable lawn trees there are few against which there is not a word to be said; one of these is the silver-leaved linden, Tilia Europæa argentea.

THE Wichita Nursery Company, of Wichita, Kans., has booked an order for 10,000 fruit trees for the Pecos Valley Orchard Company, at Roswell, N. M.

THE greatest objection to the oak as a lawn or avenue tree is its reputed slow growth, which is a libel, for they keep pace with most other species. The demand is now well up to the supply.

THE Fremont County Fruit Growers' and Dealers' Association has been incorporated at Canon City, Col., with capital stock of $10,000. The president is John Dalziel and the secretary J. W. Work.

The Age of Trees.

It is stated in the *Revue Horticole* that a carefully conducted series of experiments has demonstrated that it is possible to cause a branch of a tree or shrub to produce several rings in its wood in one season. It was found that checking the growth by pinching or shortening the branch resulted in the production of two rings in the wood instead of one and that by careful timing of a repetition of the operation several rings could be produced in one season. As, however, the extra rings are produced only under special and abnormal conditions these variations are not likely to occur commonly in nature and the method of determining the age of a large tree by counting the rings can be considered reasonably accurate.

New England Park Superintendents.

The executive committee of the Association of New England Park Superintendents met at Boston on Thursday, March 27, and selected June 20 and 21 as the time of the next annual meeting of the society to be held at Boston. J. A. Pettigrew, H. E. Whiting and J. F. Shea were appointed a committee on arrangements. There were present Superintendents A. W. Smith, Portland; J. D. Fitts, Providence; Theodore Wirth, Hartford; W. H. Richardson, Concord, N. H.; H. E. Whiting, Cambridge; Wm. Jordan and G. E. Raymond, Portland park commissioners; also President J. A. Pettigrew, of Boston, and Secretary G. A. Parker, of Hartford. The party spent an enjoyable evening as the guests at the dinner of the Boston Horticultural Club.

Moth Traps.

L. A. Goodman, secretary of the Missouri State Horticultural Society, has rendered horticulture a substantial service in collecting and publishing the opinions of experts with regard to the moth traps placed upon the market and extravagantly lauded by the inventor some time ago. In a prefatory note Mr. Goodman says:

"I have taken pains to get all the information possible on this subject so that there need be no further question as to its failure. Facts are what we want, and when our best scientists give us such an abundance of proof for their statements we should believe their conclusions. There seems to be no end to the proof here given that for the orchardist or fruit grower, the moth traps are not only worthless, but really a detriment. We ought to learn from the experience of others and profit by it, and not go to the expense of all these experiments ourselves. I have given the names and words of our best entomologists, and the refutation of those who have either been misquoted or only partially quoted. We are sure that moth traps will not catch codling moth, curculios, gougers, flat or round-headed borers, peach borers, canker worm moth, and that they can never take the place of spraying. It is a waste of money to buy these 'traps,' and you should be convinced by the following list of names and experiments."

Prof. Lockhead, of the University of Ontario, Canada, states: "The inventor of this trap-lantern moth-catcher boasts that he has sold over 40,000 during the past season. If all these were in operation for four months, probably forty millions of decidedly beneficial insects were captured and destroyed."

Copies of the pamphlet can no doubt be had on application to Secretary L. A. Goodman, 4,000 Warwick boulevard, Kansas City, Mo.

Kansas City.

TRADE CONDITIONS VERY SATISFACTORY.—LENTEN SEASON A PROFITABLE ONE.—FINE PROSPECTS FOR AUTUMN SHOW.

Trade conditions are very good here, there being an active demand through Lent, right up to the beginning of a splendid Easter business. Stock in general is looking good, but of course the local production of cut flowers is not anywhere equal to the demand and large supplies are being obtained from Chicago and other wholesale centers. In general, the experience of lily forcers here has been that of most of the other growers. A large proportion of the bulbs failed to give the results which the growers had a right to expect.

John Thorpe has been here from Chicago looking up flower show matters for November 3 to 10. He and Director General Taggart are very enthusiastic for the prospects of this year's show. Arrangements are being made whereby the cash premiums to be awarded will amount to $7,500 as against $4,300 last year. Mr. Thorpe says that all the growers from whom he has heard are with him in this matter, and that there will be no difficulty in getting all the exhibits necessary for the best show ever held in the country.

Newark, O.

GROWERS HAVE GOOD CUTS FOR EASTER BUT DEMAND PROMISES TO EXCEED SUPPLY.—CATALOGUE AND WHOLESALE TRADE ALSO HEAVY.

Although there is an abundance of stock in sight it is doubtful if it will suffice to go the rounds and Chicago is likely to be drawn upon, for carnations especially, for Easter. George L. Miller has his lilies in fine condition. His hyacinths, tulips, Paper Whites and Von Sions are likewise choice. Carnations and roses look well, but there are not enough of either to meet the heavy demand. It is Mr. Miller's intention to increase his facilities for growing carnations. His catalogue or mail trade this season has been heavy, surpassing his most sanguine expectations. Orders from Oklahoma, Indian Territory and New Mexico, as well as from nearer points, keep his staff quite busy. His wholesale trade has likewise increased in volume and, taken all in all, Mr. Miller has all he can possibly attend to.

At Baldwin's place things, as usual, look trim and well. Carnations and roses were never in finer condition and bulbous stock is all that could be desired. The Boston fern is one of Mr. Baldwin's specialties and these he grows in quantity for the wholesale market, one of the largest houses on the place being given to their cultivation. Wittboldii is also grown in quantity and from the numerous inquiries and orders he is receiving, one may infer that this meritorious variety is becoming more and more popular. Mr. Baldwin contemplates making some additions to his place this season.

NOMIS.

MARIETTA, O.—J. W. Smith reports Easter prospects fine. He has a good stock of lilies.

Rhododendron Maximum AND Kalmia Latifolia

The two best native Evergreen Shrubs for out-of-door ornamentation. Furnished by car load lots or in smaller quantities. Send for prices, also Special Rhododendron circulars. **VINCA MINOR**—10,000 3-inch clumps for sale cheap. Fine lot of general nursery stock.

EASTERN NURSERIES, M. M. Dawson, Mgr. **Jamaica Plain, Mass.**

OAKS 10,000 Pin, Scarlet, Red, White Willow-leaved, English and Turkey, 4 to 10 feet.

MAPLES.

100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.

Catalogue on application. Send estimate of wants for prices.

THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.

Ask for our SPRING TRADE LIST of WOODY and HERBACEOUS PLANTS

We make a **Specialty** of such shrubs as Clethra Alnifolia, Cornus Florida, Gordonia Lasianthus, Ilex Opaca, I. Glabra, Myrica, Pyrus Arbutifolia, Vinca, etc., etc.

PINEHURST NURSERIES, PINEHURST, N. C.
Otto Katzenstein, Manager.

Clematis.

Strong field-grown, 2 and 3 year plants, 30c to 35c each; $4.00 per dozen.

H. P. ROSES from 4-inch pots, own roots, $1.00 doz.; $10 per 100; 12 kinds.

PAEONIAS. Choice named collection. Distinct named kinds and colors, $1.50 per doz.; $10 per 100.

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Carnation Cuttings

We are in a position to supply strictly clean, healthy, well rooted Carnation Cuttings. All the novelties and standard sorts. Whatever your wants, let us quote prices before you place an order. We can interest you.

Violet Plants

LADY CAMPBELL violets, sand rooted c's, $8 per 1000.
SWANLEY WHITE violets, sand rooted c's, 10 per 1000.
LADY CAMPBELL plants from 2-in. pots, 25 per 1000.
SWANLEY WHITE plants from 2-in. pots, 30 per 1000.

Remember that when it comes to **Wire Work** we can **Discount Any** list you ever saw, **Our Own** included. Write.

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WHOLESALE COMMISSION FLORISTS
AND DEALERS IN ALL FLORISTS' SUPPLIES

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Caladium BULBS

(SOUND)

	Per 100
5 to 7-inch	$ 3.00
7 to 9-inch	4 50
9 to 12-inch	8 00
12 inches and up	16.00

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Park Architects and Dealers

will find whatever they want in the

Holland Nurseries, DeBilt near Utrecht

HOLLAND.

SPECIALTIES ARE: Conifers. Evergreens, Hardy Shrubs, Lilacs, Ornamental Trees, Fruit Trees in different forms, Azaleas, Rhododendron Ponticum and Hybridum.

Please send list of your wants and write for general catalogue. We will make you special offers. Write to

GROENEWEGEN & ZOON,
De Bilt, near Utrecht, Holland.

RHODODENDRONS "MTN."

Seedlings, $10.00 per 1000.

Choice plants..6 to 10 in., 75c per 10; $5 00 per 100
" " 12 to 18-in., $1.50 per 10; 12.50 per 100
Special prices on large lots. Cash with first order.
Rhododendron Leaves for festooning, 50c per 1000
AZALEAS, Yellow, Pink and Red or Flaming, sizes and prices same as Rhododendrons.

J. N. PRITCHARD, ELK PARK, N. C.

Boston Ferns

Fine, strong, young plants, $3.00 per 100; $27.50 per 1000.

Edwin Lonsdale, Wyndmoor, Chestnut Hill, Pa.

When corresponding with advertiser, mention the AMERICAN FLORIST.

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Green Goods

Where you never get disappointed. We always have the stock on hand and of the best quality.

FANCY and DAGGER **Ferns,** $1.50 per 1000.

Discount on large orders.

BRILLIANT BRONZE AND GREEN GALAX, 75c per 1000 in 5000 lots. Satisfaction guaranteed.

SELECTED SOUTHERN WILD SMILAX, $4 and $7 per case. Also **LAUREL FESTOONING,** good and full, 4c, 5c and 6c per yard.

☞ Orders by Mail, Telephone or Telegraph promptly attended to.

HENRY M. ROBINSON & CO.,
32-34-36 Court Sq., BOSTON, MASS.

FAXON'S "WHITE HOUSE" PANSIES.

The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.

In Trade Packets at $1.00 each.

M. B. FAXON,
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Correspondence solicited.

CARNATIONS

Rooted Cuttings of all the new 1902 and best standard varieties. Send for price list.

WILLIAM SWAYNE,
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For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO.,
.....324 Dearborn St., CHICAGO.

GALAX BRONZE or GREEN

75 cents per 1000, in 2000 lots or over; single 1000, $1.00.

Also small Green Galax for Violets.

WILD SMILAX,

50 lb. case, $6.00. 35 lb. case, $4.50. 25 lb. case, $3.50.

PALM LEAVES, $1.50 and $2.00 per 100.
FERN, Fancy, $2.00 per 1000.
FERN, Dagger, $1.25 per 1000.

L. J. KRESHOVER,
110-112 W. 27th Street, NEW YORK CITY.
Telephone call, 597 Madison Square.

HARRY A. BUNYARD, Mgr.,
38 West 28th Street, NEW YORK.
Telephone, 798-799 Madison Sq.

SHADE TREES, Etc.

		Per 100	1000
Sugar Maple	8 to 9 ft.,	$10	
Sugar Maple	6 to 7 ft.,	7	$60
Sugar Maple	4 to 5 ft.,	5	40
Sugar Maple	3 to 4 ft.,	3	25
Sugar Maple	1½ to 2½ ft.,	2	15
Tulip Poplar (Liriodendron)	6 to 8 ft.,	15	
American Beech	4 to 6 ft.,	5	40
White Day Lily (F. Alba), crowns		5	
Hemerocallis Dumortieri, earliest		2 50	
" Flava, mid-season		2.50	
" Thunbergii, latest		2.00	18
Double Tiger Lily, strong bulbs		2.50	
Single " " " "		2 00	18
Eulalia Gracillima		2.00	18
Linnæus Rhubarb, true, best, crowns		1	8
Madeira Vine, strong		2	

Well packed and in cars. Cash with order.

E. Y. TEAS, CENTERVILLE, IND.

B. W. DIRKEN,

Oudenbosch, Holland.

ORNAMENTAL AND FOREST TREES A SPECIALTY.

Conifers, Evergreens, Hollies, Etc.
Prices on Application.

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Always do business,
Week days and every day
Sundays and holidays,
All over the country,
At home and abroad.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 79 Milk St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At New York.

The following are the scores made by the New York bowlers last Monday, March 24:

Player	1st	2d	3d	4th
Burns	197	104	160	191
Haffner	172	166	163	163
Smith	178	174	183	136
Siebrecht	165	178	169	138
Lang	170	171	190	233
Elliott	141	143	169	136

At Jamestown, N. Y.

The following are the records of the local bowlers, made March 13 and March 20:

ROSARIANS.	1st	2d	3d	T'l
McCue	150	124	179	453
Bowyer	124	118	144	386
Carlson	93	134	133	360
Coyne	157	157	161	475
Brooks	130	118	145	393
Whitcomb	121	76	109	306
Total	775	727	871	2373

CARNATIONISTS.	1st	2d	3d	T'l
Eidens	108	137	142	387
Doxey	134	166	145	445
Hennon	111	165	115	391
Kaser	100	124	127	351
Scott	117	118	110	345
Lydon	115	116	150	381
Total	685	826	799	2810

ROSARIANS.	1st	2d	3d	T'l
Coyne	170	148	140	458
McCue	116	149	141	406
Bowyer	146	177	157	480
Brooks	144	132	116	392
Gunton	143	137	170	450
Whitcomb	100	112	109	321
Carlson	100	111	116	327
Total	919	966	949	2834

CARNATIONISTS.	1st	2d	3d	T'l
Lydon	140	121	135	396
Eidens	169	159	153	481
Hennon	98	141	165	404
Scott	90	124	122	336
Doxey	150	137	175	462
Bennett	134	101	77	312
Kaser	121	110	86	317
Total	902	893	913	2708

Toronto.

EVERY INDICATION OF A RECORD EASTER.—PLANTS ARE PLENTIFUL BUT CUT FLOWERS WILL BE SCARCE — LILIES AVAILABLE IN LARGE QUANTITIES.—VARIOUS NOTES.

Not for many years has there been a better outlook for Easter than at present. The weather has been most favorable and should it continue so we undoubtedly will have a record business. Flowering plants were never more plentiful than at present and from the quantities of lilies, if all are sold the growers will be fortunate indeed. Already quantities are quoted at very low figures and when the loss from disease is figured in, there can be little margin. Some very good plants are seen about the different stores. Bougainvillea Sanderi, hydrageas, both pink and pale blue; azaleas, rhododendrons, lilacs and most of the old favorite plants help to make the stores look gay. Crimson Ramblers are possibly the only variety that will be too late, and of these there are hardly a half dozen in the city. The supply of roses will not be so plentiful. For the last two weeks the demand has been so good that there was no chance to save up and no doubt this will make the market very short. Carnations are about the same and all good flowers will find ready sale. In bulbous stock there are enormous quantities everywhere and the prices have been cut up so badly that the good customers mostly fight shy of them. This condition is due to a few growers who would rather sell to department stores than give the retailer a chance.

The regular monthly meeting of the Florists' and Gardeners' Association was held in St. George's Hall, the session being occupied with business and the rearrangement of the prize list for the chrysanthemum show which will take place the second week of November. After the usual business cards were indulged in and refreshments served.

Some of the spiræas have not done well this season, the foliage being very poor and turning brown at the edges, but some of the men are adept with the shears and they soon look as trim as the Dutchmen's palms. H. G. D.

St. Louis.

EVERY PROSPECT FOR A BIG EASTER BUSINESS.—FAVORABLE WEATHER FOR CROPS.—CLUB HOLDS A ROSE SHOW.—NOTES OF DOINGS WITH THE GROWERS AND OTHERS.—INSECTS INFEST MANY PLACES.

The outlook at present is that there will be enough stock at hand for Easter if the present good weather holds. Roses are coming in very fast, but are not of the best quality. The Easter prices are in the neighborhood of $8 to $10. A few Beauties are to be had at from $1.50 to $6 per dozen, while carnations bring from $2.50 to $6 per hundred. There is quite a shortage at present in whites, in both roses and carnations, which is partly due to the large amount of funeral work. Violets were coming in very slow for a time, as most of those planted in the houses have stopped blooming, but the last few days have been very warm here, so that plants in cold frames are coming on very fast and several of the growers are striking it just right. Bulbous stock is looking nice for Easter and prices are fair. Mr. Gross, of Kirkwood, is cutting a splendid sweet pea which he calls Earliest of All White. It sells at $1.50 per hundred.

The rose show which was held at the last meeting of the club was not as good as the carnation show at the February meeting. J. F. Ammann, of Edwardsville, exhibited as fine a vase of mixed roses as has ever been before the club. Mr. Halstead, of Belleville, had a very fine vase of carnations, which contained several of the leading varieties. Special notice was taken of his new white seedling, which is very fine. From the outlook of things it is hardly probable that a flower show will be held by the club this fall, but we will be ready to help anyone who wishes to undertake this work. A very interesting paper on roses was read by F. J. Fillmore.

The St. Louis Carnation Company is sending in about 3,000 carnations daily, but they do not expect much increase for the Easter trade. Last year they had a full crop on for Easter but it will come about three weeks late this year. They have been sending in several thousand sweet peas, but this has dropped to the hundreds now and the plants are making good second growth. They had some peas in a very light house and some in one of their old houses, which is very dark. In the former they started to cut very early and have kept it up, but in the latter the vines have made good growth and very few blooms.

Wm. Winter has just finished planting his two fine new houses with sweet peas. His carnations are looking fine, especially his Ethel Crocker, Joost, Crane and Lord. The latter he has in solid beds, and some magnificent flowers is the result. He has some 20,000 young plants that are looking fine.

Mr. Ude, Sr., will be the best off of any of the Kirkwood growers as far as violets are concerned, as he has a large number in cold frames and they will be in their height of blooming at Easter.

The Gross Floral Company has a fine looking lot of carnations, especially Mrs. Lippincott and Prosperity. They are growing some of the finest sweet peas that have been seen in this city.

Mr. Hutchins, at Kirkwood, is having quite a bit of trouble at present with aphis and thrip, but through it all he is turning out some very good blooms.

The Michel Plant and Bulb company has had some fine calla lilies and Dutch hyacinths in pots, but all are sold, as is also most of the blooming stock.

Fred. Meinhardts' stock is reported as coming in fine. He expects to have about seventy-five per cent of his lilies in for Easter Sunday.

H. Ude's place looks nice but thrips got so bad in some parts of his place that he has planted sweet peas between the rows.

Robert Tesson says that he has a fine lot of spiræas in bloom, but his Harrisii are not very good.

Fred. Ude has just finished putting up a new boiler shed and intends to put up two new houses. R. J. M.

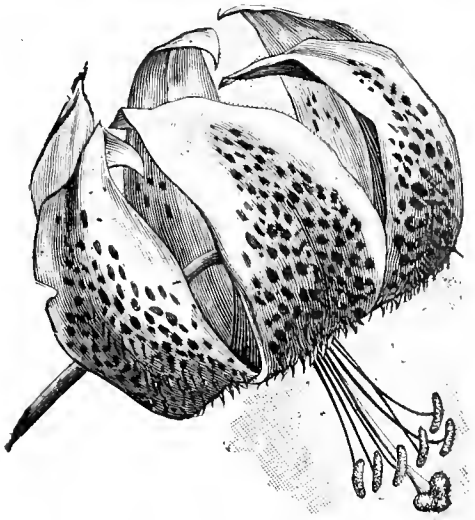
SYRACUSE, N. Y.—Harry Bellamy, the widely known and popular foreman for L. E. Marquisee, has the sincere sympathy of his entire acquaintanceship in the loss of his wife.

P. LOEF AZ. & CO.
BOSKOOP, HOLLAND.
SPECIALTIES - Rhododendrons, Azaleas, Clematis, Roses and all kinds of Foreing Plants.
P. J. VAN HEININGEN, Representative.

J. VAN REISEN & SON,
WHOLESALE BULB GROWERS
Voorhout near Haarlem, Holland.
P. J. Van Heiningen, Agent.
Catalogue free on application.
New York Address, 136 WATER ST.,
care of MALTUS & WARE.

Caladiums Cheap
Good sound bulbs, with live center shoots, 6 to 8 in., $1.75 per 100; 8 to 10-in., $3.50 per 100; 10 to 12-in., $4.75 per 100. Will contract for Canna and Caladium growing for the coming seasons. Write if interested.
JESSE T. ELLIS, BOX 340, CRIFFIN, GA.

20,000 lbs., KLEIN-WANZLEBENER SUGAR BEET SEED,
$10.00 per 100 lbs. American Germination test 98 per cent. F. o. b. Detroit or Windsor.
WINDSOR FLOWER SEED CO.
BOX 335. WINDSOR, ONTARIO.
Please mention the American Florist when writing.



DREER'S SUMMER FLOWERING BULBS

We have fine stocks of the following, all of which are useful for store sales and for growing on for summer cut flowers.

LILIES.

	Per doz.	100
Auratum, 8 to 9-inch bulbs	$ .75	$5.00
" 9 to 11 " "	1.00	7.50
" 11 to 13 " "	1.75	14.00
Krameri rose color	1.00	6.00
Spec. album, 8 to 9-inch bulbs	.75	5.00
" " 9 to 11 " "	1.00	7.00
" roseum, 8 to 9 " "	.75	5.00
" " 9 to 11 " "	1.00	7.00
" rubrum, 8 to 9 " "	.75	5.00
" " 9 to 11 " "	1.00	7.00

BEGONIAS.

Single, in separate colors	.40	3.00
" mixture	.35	2.50
Double, in separate colors	.65	5.00
" mixture	.50	4.00

CALADIUMS.

Esculentum, 6 to 8-inch bulbs	.40	3.00
" 8 to 10 "	.65	5.00
" 10 to 12 "	.90	7.00

GLADIOLUS.

	Per 100	1000
All selected first size bulbs.		
White and light shades mixed	$1.75	15.00
Scarlet and crimson shades mixed	1.00	8.50
Yellow shades "	2.50	23.00
Striped and variegated "	2.00	18.00
Pink "	1.25	12.00
New Giant (Childsii) "	2.50	22.00
Groff's Hybrids "	2.75	25.00
American Hybrids, all colors	1.25	10.00

DAHLIAS.

		Per 100
All strong, field-grown roots.		
Double Cactus, latest novelties, set of 14	3.00	
" " 1901 " " 8	1.50	15.00
" " 1900 " " 12	1.00	8.00
" Decorative varieties, " 20	1.60	8.00
" Show " " 12	1.00	8.00
" Fancy " " 12	1.00	8.00
" Quilled " " 6	.50	8.00
" Pompon " " 12	1.00	8.00
Superb single, " " 10	.85	8.00

AMARYLLIS.

	Per doz.	Per 100
Formosissima	$ .30	$2.00

GLOXINIAS.

Superb mixed, per 1000, $35.00	.50	4.00

HYACINTHUS.

Candicans (Cape Hyacinth)	.30	2.00

ISMENE.

Calathina	1.50	12.00

MADEIRA VINES.

Strong roots	.20	2.00

MILLA.

	Per doz.	Per 100
Biflora	.35	2.50

MONTBRETIAS.

Crocosmiæflora	.15	1.00
Six choice named sorts	.25	1.75

TIGRIDIAS.

Conchiflora, Pavonia, Grandiflora alba	.30	2.00

TUBEROSES.

	Per 100	Per 1000
Double Pearl, second size bulbs	.60	5.00

HENRY A. DREER. 714 CHESTNUT ST., PHILADELPHIA, PA.

FANCY OR DAGGER FERNS $1.50 PER 1000

PRINCESS PINE, 7c per lb.

GALAX, green or bronze, 75c per 1000. Laurel festooning, 4c, 5c and 6c per yd. Once used, always used for decorating. SPHAGNUM MOSS, etc.

Telegraph Office New Salem, Mass.

CROWL FERN CO., P. O. Millington, Mass.

BEGONIA GLOIRE DE LORRAINE,

2¼-inch pots, $15.00 per 100.

Write for prices on large lots. Stock guaranteed absolutely free from disease.

THOMAS ROLAND, Nahant, Mass.

500,000 VERBENAS.

60 finest named varieties, including our **NEW MAMMOTH WHITE, "MRS McKINLEY."** The finest white verbena grown; perfectly healthy; free from disease. Rooted cuttings, 60c per 100; $5.00 per 1000. Plants, $2.50 per 100; $20.00 per 1000. Our list is the choice of millions of seedlings. Send for circular.

J. L. DILLON, BLOOMSBURG, PA.

ROSES Crimson Rambler Climbing Clothilde Soupert.

Ramblers, 3 to 4½ ft., well branched...$10 per 100
" 2½ to 3 ft., " " ... 8 per 100
" 1½ to 2½ ft., " " ... 6 per 100
Soupert, strong field-grown plants..... 15 per 100

The Conard & Jones Co, West Grove, Pa.

SYLVIA A NEW WHITE CARNATION.

As a free and continuous bloomer it beats anything we have ever grown; flowers average 2½ to 3 inches in diameter. Rooted cuttings now ready, $8 per 100; $75 per 1000.

WOODFALL BROS., Glen Burnie, Md.

Imported Bulbs for Florists' Forcing for the Coming Season.

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 Spiræa** are unexcelled.

Bulbs secured from us will be subject to careful inspection and approval on arrival, and if in any way unsatisfactory, will be made good at once.

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 shipments and large importations supply half our profits.

Write for Prices before closing any forcing stock orders.

VAUGHAN'S SEED STORE,

14 Barclay St., New York.
84-86 Randolph St., Chicago.

ROOTED CUTTINGS

2½-inch.

Brides .....$15.00 per 1000
Bridesmaids.....$15.00 per 1000

Good clean stock.

C. S. FOOTE. Downers Grove, Ill.

SPLENDID STOCK FOR EARLY PLANTING.....

3½-inch Bridesmaids, $5.00 per 100; $45.00 per 1,000. Rooted Cuttings, Brides and Bridesmaids $1.50 per 100. Cash please.

ALBERT F. AMLING, Maywood, Ill.

PLACE YOUR NAME.....

and your specialties before the purchasing florists of the entire country by advertising in

SEND ADVT. NOW. **THE AMERICAN FLORIST.**

Youngstown, O.

STORY OF A VISIT TO A POPULAR FIRM.—GOOD STOCK IN THE GREENHOUSES AND A NICE BUSINESS AT THE STORE.—A PURCHASE TO ENLARGE FACILITIES.

The writer recently dropped down to Youngstown to see how the ex-Philadelphians, Walker & McLean, are getting along and found, as he expected, everything in good shape for a big Easter trade. On the strength of the increase of their business they have acquired more property, having recently purchased the greenhouses and ground lately owned by the firm of Hood & Cox, situated a few miles from Youngstown. The property consists of fifteen acres of land with four greenhouses, which were built last year and are practically new, about 10,000 feet in all. All the stock, consisting of plants, implements, wagons, two horses and a cow, were included in the deal. It is their intention to tear down and re-erect the houses on their Crabb Creek grounds, which will add materially to their facilities. The "farm," as they call it, will in all probability be leased out to truckers or farmers.

John Walker is erecting a modern dwelling for himself, a block or so away from the greenhouses, which will be very convenient. Heretofore he has resided in the city. Their stock generally is in good working condition. What are good of their longiflorums are looking fine, about the right height with splendid large trumpets. Their loss has been between twenty-five and thirty per cent. A batch of candidums were a novelty to behold at this season. Mr. Walker reckons they are a little out of the ordinary and may sell well. Several houses are devoted to palms, principally kentias and arecas, in all sizes from seed pans to 6-inch and 8 inch pots. Preparations are being pushed to handle a big line of spring bedding plants, there being quite a demand for that kind of stock.

Thousands of carnations are grown, both for cut flowers and plants to sell. Quite a number of seedlings are being tested with varying degrees of success. There is one, a red variety, which promises to be a good commercial sort if it holds out. A few Grevillea robusta are grown for decorative purposes, which the public seem to appreciate. A house of callas looks well and has been producing a wonderful quantity of blooms. The store end is in the hands of the genial George McLean, who shows the Youngstownites how to make a store window look pretty and to manipulate flowers in a way that comes from twenty-five years' experience. He handles a large line of garden and farm seeds as well. It was tough on George at first to get on the right side of the seed business but now he can quote the geneology of turnips and squash by the hour.

A call upon Mr. Hippard found that gentleman busy with his iron gutter and ventilating apparatus. He says the outlook for a big business this year is very encouraging, orders coming in every day.

ECHO.

100,000 Pansies.

The Jennings' Strain, extra fine plants, all transplanted, many are fringed and curled, strong plants, $4.00 per 1000, express; 75c per 100 mail. Large plants $1.00 per 100, by express only. Stock the finest. Grown in cool houses. Seed, $1.00 per pkt. Cash.

E. B. JENNINGS, Lock Box 254, Southport, Conn.
Grower of the Finest Pansies

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

LILIUM HARRISII.

As reliable stock as is produced on the Island, raised, crop-rogued, inspected, and packed by a grower always on the ground.

We offer this (V) brand of Harrisii as averaging the most reliable stock exported. Orders placed now can be supplied, late ones could not be filled last year and may not be this. Write for prices on 5 to 7, 7 to 9, and 9 to 11.

White Roman Hyacinths.

12 ctms. and upward, being the whole crop above the 12 ctm. size, no 13 to 15 ctms. being taken out.

150,000 of this grade imported by us the past season proved very satisfactory and we offer 1902 crop of same, confident that this grade contains the best value possible for the price, which is made for early orders. Remember the size contains all the bulbs in the crop above 12 ctms. and up to 16 ctms. Write for prices.

N. B.—Our usual percentage of extra early deliveries will be made.

Vaughan's Seed Store, CHICAGO. New York.

CARNATION CUTTINGS

Well Rooted, Clean Healthy Stock.

	Per 100	Per 1000		Per 100	Per 1000
PROSPERITY	$5.00	$35.00	FLORA HILL	$1.50	$ 9.00
NORWAY	4.00	35.00	WHITE CLOUD	1.50	9.00
LAWSON	3.50	30.00	TRIUMPH	1.50	9.00
CRANE	1.50	9.00	SPORT (Guardian Angel)	1.50	9.00
AMERICA	1.50	9.00	MARQUIS	1.50	9.00

QUEEN LOUISE, $4.50 per 100; $40.00 per 1000.

All Rooted Cuttings sold under express condition that if not satisfactory when received they are to be returned immediately, when money will be refunded.

WIETOR BROS., 51 WABASH AVENUE, **CHICAGO.**

Wholesale Growers of Cut Flowers.

CRESSBROOK. **The coming Pink Carnation for everybody to grow.**

Baltimore, Feb. 21, 1901, it scored 94 Points, the highest of any seedling. Cressbrook has never shown disease of any kind and is an extra free bloomer. Size of flowers under ordinary culture, 3 to 3½ inches.

Orders will be delivered in rotation on and after Jan. 1, 1902, at the following prices:

12 plants	$ 1.50	250 plants	$25.00
25 plants	3.00	500 plants	37.50
50 plants	5.00	1000 plants	75.00
100 plants	10.00		

C. WARBURTON, FALL RIVER, MASS.

Cressbrook may be seen growing at

THE E. G. HILL CO'S., Richmond, Ind., and at WM. NICHOLSON'S, Framingham, Mass.

SMILAX.

Seedlings, 30c per 100; $2.50 per 1,000; 2-inch. $1 per 100; 3-inch, strong, $3 per 100; 200 Asparagus Plumosus, 2½-inch, $3 per 100. German Ivy, large plants, $1 per 100. Cash Please.

MRS. GRISWOLD, Worthington, Ohio.

CARNATION

CUTTINGS AND BLOOMS.

J. D. THOMPSON CARNATION CO.

JOLIET, ILLINOIS.

Baby Primroses

(PRIMULA FORBESI).

Rooted Cuttings; 75c per 100, $6.00 per 1000; out of 4-in. pots in full bloom, $1.00 per doz. Cash please.

HENRY EICHHOLZ, Waynesboro, Pa.

SPECIALTIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery,
CHRYSANTHEMUMS,
SMILAX, VIOLETS.

In Best Varieties

Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.

Watch This Space

FOR FUTURE BARGAINS.

JOHN BROD,

349 West North Avenue, CHICAGO, ILL.

Greenhouses, Niles Center, Ill.

... LILIES ...

Will probably be scarce with you and you will want some fine BOSTON FERNS for Decorative Plants. Write

GEO. A. KUHL, PEKIN, ILL.,

for them in 5, 6 and 7-in., also Specimen Plants in 8 and 10-in.

FLORISTS' FLOWER SEEDS

VAUGHAN'S ASTERS.

"THE CARLSON" an improved Pæony-Flowered Aster, much liked in the Chicago market. White, pink or lavender, each, trade pkt, 25c, ¼ oz. $1.20

		Trade pkt	¼ oz.	oz.
BRANCHING OR SEMPLE,	White.....pound, $8.00;	10	25	$ .75
" "	Rose pink	10	30	1.00
" "	Lavender..... pound, $12.00	10	30	1.00
" "	Red	10	35	1.20
" "	Purple	10	30	1.00
" "	Daybreak pink	10	25	.75
" "	Mixed..... pound, $6.00	10	20	.50
VAUGHAN'S NEW UPRIGHT WHITE BRANCHING, lb., $12.00		10	30	1.00
VAUGHAN'S NEW UPRIGHT PINK BRANCHING, lb., $12.00		10	30	1.00
QUEEN OF THE MARKET,	White			
" " "	Pink			
" " "	Scarlet ..... Each	10	20	.50
" " "	Light blue			
" " "	Dark blue			
" " "	Mixed	10	15	.50
ALYSSUM, Little Gem, extra fine strain...pound, $2.50		10	25	

ASPARAGUS PLUMOSUS NANUS, 100 seeds, $1.00; 250 seeds, $2.00; 1000 seeds, $7.5 .
SPRENGERI, 100 seeds, 50c; 1000 seeds, $2.00; 5000 seeds, $8.50.
Write for prices on larger lots on above two kinds.

CANDYTUFT. New Giant Hyacinth-Flowered. This improved new strain is far superior to Empress. The flower-heads are of immense size, six inches long and about three inches across, resembling a Dutch Hyacinth. They are pure white, and furnish excellent material for cutting. Pound, $2.50; trade pkt., 10c; oz., 30c.

	Trade pkt.	Oz.
CENTAUREA Imperialis, mixed, all the following sorts	10	60
" " **Alba,** pure white	10	85
" " **Armida,** lilac	10	70
" " Favorita, brilliant rose	10	70
" " Graziosa, dark lilac	10	70
" " Splendens, dark purple	10	70
" " Variabilis, white, fading to rose	10	70
PHLOX DRUMMONDI.		
Grandiflora, Stellata Splendens, white, scarlet, pink, crimson, striped ..... each	10	60
Large Flowering, finest mixed	10	50

SWEET PEAS.

Our Sweet Pea Seed was raised by the most careful grower and is equal to the best in the country. We invite comparison.

Any of the following, per oz., 5c., except where noted.	¼ Lb.	Lb.	5 Lbs.
Blanche Burpee, very large white	10	25	$1.00
Blanche Ferry, pink and white	10	25	1.00
" " **extra early,** 10 days earlier	10	25	1.00
California, very soft "Daybreak" pink	10	30	
Captain of the Blues, purplish mauve	10	30	1.25
Countess, the New, clear lavender	10	25	1.00
Countess of Powis, orange suffused with purple	10	30	
Countess of Radnor, delicate lavender	10	25	1.00
Earliest of All, 8 days earlier than Ex. Early Blanche Ferry	15	30	1.50
Emily Henderson, white, early and free	10	30	
Her Majesty, beautiful rose, large	10	25	1.00
Hon. F. Bouverie, standard coral pink, wings slightly lighter	10	30	
Katherine Tracy, soft but brilliant pink	10	25	1.10
Lady Grisel Hamilton, best of all lavender sorts	15	40	
Lady Mary Currie, bright orange pink	10	30	1.25
Mrs. Eckford, delicate primrose yellow	10	30	1.35
Navy Blue, a new, deep violet-blue	15	50	
Prima Donna, soft pink	10	25	1.10
Prince of Wales, new, bright rose self	15	40	1.65
Sadie Burpee, new white, white-seeded	15	30	
" " " " black seeded	15	30	
Saxonian, the best of all reds	10	25	1.10

VAUGHAN'S FLORISTS' MIXTURE.—This mixture, which is made up by ourselves from separate colors carefully proportioned, of the best cut-flower sorts and colors, is bound to give satisfaction. ¼ lb., 10c.; lb., 30c.; 5 lbs., $1.25; 10 lbs. $2.25.

NEW SWEET PEA—MONT BLANC.—Oz., 15c.; ¼ lb., 40c.; lb., $1.25; 2 lbs., $2.25; 5 lbs. $5.00

	Tr. pk.	Oz.
COBÆA Scandens, purple.....lb $3.00,	10	25
DAISY, Burbank's New Shasta Daisy	25	
SMILAX, new crop .....lb., $3.00	10	30

MIGNONETTE, TRUE MACHET. Trade pkt., 10c; ½-oz., 25c; oz., 50c; 2-ozs., 75c; ¼ lb., $1.25.

NASTURTIUM.

	Oz.	¼-lb.	lb.
"VAUGHAN'S SPECIAL" Mixture of Tall Nasturtiums	$ .10	$ .20	$ .70
MME. GUNTHER'S HYBRIDS, true. ... ..10 lbs. $5.25...	.10	.20	.60
"VAUGHAN'S SPECIAL" Mixture of Dwarf Nasturtiums	.10	.20	.70

FOR OTHER FLOWER SEEDS SEE OUR "BOOK FOR FLORISTS." FREE ON APPLICATION.

10 per cent. Special Cash Discount on orders over $2.00 for Flower Seeds if the cash is enclosed.

VAUGHAN'S SEED STORE,

NEW YORK, 14 Barclay Street. **84-86 Randolph Street, CHICAGO.**

GREENHOUSES: WESTERN SPRINGS, ILLINOIS.

THE

MRS. E. A. NELSON

bids fair to become the **Commercial** standard pink carnation. It is an early, free and continuous bloomer and it is sure to do well wherever grown. Orders booked now for delivery latter part of March. For prices, see AM. FLORIST, Feb. 15.

E. A. NELSON,

3503 N. Senate Ave., INDIANAPOLIS, IND

NEW CARNATIONS.

	Doz.	100	1000
CRESSBROOK	$1.50	$10.00	$75.00
ENQUIRER	3.00	12.00	100.00
FAIR MAID	2.00	10.00	75.00
GAIETY	1.50	10.00	75.00
J. H. MANLEY	2.00	12.00	100.00
HARRY FENN	2.00	12.00	100.00
VIOLA ALLEN	2.00	12.00	100.00
NORWAY		6.00	50.00
FLORIANA		6.00	50.00
ALBA	2.50	12.00	
STELLA	2.50	12.00	
DOROTHY WHITNEY	2.50	12.00	
APOLLO	2.50	12.00	

Also other new and standard varieties.

Chrysanthemums. We offer all of the new varieties of 1902, also the best of 1901. A large number of last year's novelties and leading standard varieties ready now, from 2½-inch pots.

Send for list. Correspondence solicited

H. WEBER & SONS, Oakland, Maryland.

Carnations **Rooted Cuttings.** Maceo, $1.75; Hill, Joost and Daybreak, $1.50; Crocker, Keller, Webb, Cartledge, $1; Scott and McGowan, 90c per 100

ARNO S. CHASE, Cumberland Centre, Me.

Please mention the American Florist when writing

---

3 Weeks Only.

	Per 100	Per 1000
MERMAID, salmon pink	$3.00	$ 5.00
CRANE, scarlet	1.50	12.50
EVANSTON, red	1.25	10.00
JOOST, pink	1.25	10.00
HILL, white	1.25	10.00
ARGYLE, pink	1.25	10.00
AMERICA, scarlet	$1.25	$10.00
CROCKER, pink	1.25	10.00
GENEVIEVE LORD, pink	1.25	10.00
WM. SCOTT, pink	1.25	10.00
MARQUIS, light pink	1.25	10.00
WHITE CLOUD, white	1.25	10.00

The above are all transplanted Rooted Cuttings.

MITTING FLORAL CO., Loomis, Cal.

Carnation Floriana

We believe this to be the best pink carnation introduced to date, was disseminated in the spring of 1901 by originators, Messrs. Fillow & Banks. Price, $6.00 per 100; $50.00 per 1000. 50 at 100 rate, 500 at 1000 rate. Less than 50, 8c each.

DAILLEDOUZE BROS. Carnation and Chrysanthemum Specialists, **FLATBUSH, BROOKLYN, N. Y.**

Am. Beauties

ROOTED CUTTINGS

READY APRIL 1.

$25.00 PER 1000.

This stock is free from spot, thoroughly rooted and first class in every respect.

If not satisfactory or just as represented by us you can return same at once.

J. A. BUDLONG, 37 and 39 Randolph St., CHICAGO, ILL.

Los Angeles, Cal.

FAVORABLE WEATHER CONDITIONS CAUSE CUT FLOWER SUPPLIES TO IMPROVE — GROWERS TO MOVE.— VARIOUS TRADE NOTES OF INTEREST.

The warm weather which has followed the rains has produced an abundance of flowers and it looks as though there would be no difficulty in supplying all that may possibly be required for the Easter trade, for which all are making great preparations. Carnations and narcissi are plentiful. There has been a surplus of violets, but the warm weather is shortening the crop. Centaureas and sweet peas are to be had in limited quantity. There has been a good call for ten week stocks while the shortage on carnations lasted and a few very good antirrhinums have found a ready market. Freesias are in their glory and thousands are sold daily.

The real estate boom which has been growing in this city for some months past is causing trouble to nurserymen and florists who are on rented or leased land. The Meserve Nurseries have been obliged to vacate the grounds on Pico Heights and will move the greenhouses to Burnett station, about twenty miles from the city. The property they occupy on Broadway as a sales depot has also been sold and they may be obliged to find another location for that purpose.

Howard & Smith are building another greenhouse, anticipating an increased trade in their new location at Ninth and Olive streets. They are also improving the property recently purchased on Boyle Heights, an almost frostless section of the city.

Fred. Rafferty, of Santa Ana, gives evidence of prosperity, having built an elegant residence adjoining his floral establishment. He reports an unusually heavy wholesale trade.

D. R. Woods, manager of the Woods Floral Company, Wilmington, is making a business trip to San Francisco and vicinity, looking up additional stock in specialties.

W. A. Peschelt, who has spent ten years in building up and beautifying the grounds surrounding the residence of Senator J. P. Jones, has resigned. D. R. W.

OMAHA, NEB.—J. W. and E. E. Arnold have a fine range of greenhouses, two well appointed stores and a prosperous business. They claim that their delivery wagon is the finest operated by any florist in the United States.

CARNATIONS

Well Rooted and Healthy.

	Per 100	Per 1000
PROSPERITY, white overlaid with pink	$6.00	$50.00
GOV. ROOSEVELT, crimson	6.00	50.00
QUEEN LOUISE, white	4.00	40.00
BON HOMME RICHARD, white	4.00	30.00
IRENE, pink	4.00	30.00
TRIUMPH, pink	2.00	15.00
WHITE CLOUD, white	2.00	15.00
THOS. W. LAWSON, pink	4.00	35.00
MARQUIS, pink	2.50	20.00
G. H. CRANE, scarlet	2.00	15.00
AMERICA, scarlet	2.00	15.00
MRS. BRADT, variegated	2.50	20.00
GUARDIAN ANGEL	1.75	15.00

MICHAEL WINANDY,
DEVON AVE. AND NORTH ROBEY. CHICAGO.

CARNATION CUTTINGS

All the new and standard varieties, free from rust and all other diseases. Our stock is in fine shape and all cuttings are well rooted when sent out.

	Per 100	Per 1000
HIGINBOTHAM	$12.00	$100.00
MRS. POTTER PALMER	12.00	100.00
PROSPERITY	4.00	30.00
NORWAY	5.00	40.00
IRENE	3.00	25.00
LAWSON	3.00	25.00
BON HOMME RICHARD	3.00	25.00
HOOSIER MAID	3.00	25.00
CRANE	1.25	10.00
THE MARQUIS	1.25	10.00
GENEVIEVE LORD	1.25	10.00
ARGYLE	1.00	7.50
GUARDIAN ANGEL	1.25	10.00
FRANCES JOOST	$1.00	$7.50
CERISE QUEEN	1.00	7.50
ETHEL CROCKER	1.25	10.00
TRIUMPH	1.25	10.00
FLORA HILL	1.25	10.00
WHITE CLOUD	1.00	8.00
PERU	1.00	7.50
AMERICA	1.25	10.00
MRS. L. INE	1.50	12.50
MRS. BRADT	1.75	15.00
ARMAZINDY	1.25	10.00
EVANSTON	1.00	7.50
ESTELLE	5.00	40.00

ROSE PLANTS.

2½-in. pots.	Per 100	Per 1000
BRIDESMAID	$3.00	$25.00
BRIDE	3.00	25.00
KAISERIN	3.00	25.00
PERLE	$3.00	$25.00
GOLDEN GATE	3.00	25.00

ROOTED ROSE CUTTINGS.

	Per 100	Per 1000
BRIDESMAID	$1.50	$12.50
BRIDE	1.50	12.50
GOLDEN GATE	$1.50	$12.50
PERLE	1.50	12.50

All Plants and Rooted Cuttings sold under express conditions that if not satisfactory when received they are to be returned immediately, when money will be refunded.

Write for prices on large quantities.

Peter Reinberg, 51 Wabash Ave., Chicago

ROOTED CUTTINGS

CARNATIONS.

	Per 100	Per 1000
MRS. POTTER PALMER	$12.00	$100.00
MRS. HIGINBOTHAM	12.00	100.00
PROSPERITY	4.00	30.00
NORWAY	5.00	40.00
IRENE	3.00	25.00
MRS. LAWSON	3.00	25.00
MARQUIS	1.25	10.00
G. H. CRANE	1.25	10.00
FLORA HILL	1.25	10.00
MRS. JOOST	$1.00	$6.00
WHITE CLOUD	1.25	10.00
EVANSTON	1.00	6.00
MRS. INE	1.25	10.00
WM. SCOTT	1.00	6.00
GENEVIEVE LORD	1.25	10.00
ETHEL CROCKER	1.25	10.00
GUARDIAN ANGEL	1.25	10.00
ARGYLE	1.00	6.00
AMERICA	1.25	10.00

ROSES.

	Per 100	Per 1000
METEOR	$1.50	$12.50
PERLE	1.50	12.50
BRIDE	1.50	12.50

ROSES.

	Per 100	Per 1000
BRIDESMAID	$1.50	$12.50
GOLDEN GATE	1.50	12.50

ROSE PLANTS from 2½-in. pots.

	Per 100	Per 1000
METEOR	$3.00	$25.00
PERLE	3.00	25.00
BRIDE	3.00	25.00
BRIDESMAID	$3.00	$25.00
GOLDEN GATE	3.00	25.00
KAISERIN	3.00	25.00

The above named stock is clean, well rooted and free from disease.

GEO. REINBERG, 51 WABASH AVENUE, CHICAGO.

Carnation Cuttings...

Well rooted, from clean, healthy stock, cool grown.

	Per 100	Per 1000
ROOSEVELT	$1.50	$10.00
PROSPERITY	3.50	30.00
NORWAY	3.50	30.00
LAWSON	3.50	30.00
LORNA	3.50	30.00
MORNING GLORY	2.50	20.00
CRANE	1.50	12.50
EGYPT	$1.75	$15.00
GENEVIEVE LORD	1.25	10.00
WHITE CLOUD	1.25	10.00
TRIUMPH	1.25	10.00
MME. CHAPMAN	1.25	9.00
FLORA HILL	1.25	9.00
PERU	1.25	9.00

VIOLETS—Imperial, Farquhar, Marie Louise, Lady Campbell and Swanley White. Write for prices on 2-in. pots. WE SOLICIT YOUR ORDERS AND WILL GUARANTEE SATISFACTION.

GRAND RAPIDS VIOLET CO., Grand Rapids, Mich.

Come and Take Them at Your Own Price

MAMMOTH invoice of ornamental Trees, Flowering Shrubs, Hardy Roses, Rhododendrons, Azaleas, Clematises, Hydrangeas, Weigelas, Magnolias, Crimson Ramblers, etc., etc., at our opening sale

FRIDAY, APRIL 4, at 9:30 A. M.

Big sales to follow. Special sale of Fancy Evergreens about April 15th. Fine illustrated Catalogue, mailed to applicants only.

N. F. McCARTHY & CO.

PLANT AUCTION ROOMS, 84 HAWLEY ST., BOSTON.

All The Best CARNATIONS

Cressbrook (pink), Oriole (scarlet), Mrs. Nelson (pink), $1.50 per doz.; $10 per 100.

Mrs. Palmer (scarlet), Mrs. Higinbotham (salmon pink), Alba (large white), Stella (variegated), Dorothy Whitney (yellow), Apollo (scarlet), $2.00 per doz.; $12.00 per 100.

	Per 100	Per 1000
Estelle, Best Scarlet	$5.00	$40.00
Norway, Large White	5.00	45.00
Prosperity, Fancy	6.00	45.00
Queen Louise, White	5.00	45.00
Dorothy, Productive Pink	5.00	45.00
Morning Glory, Lt. Pink	2.50	20.00
Marquis, Largest Pink	2.50	20.00

Fine stock of rooted cuttings of above and twenty-five other kinds. Get our prices on what you need.

GEO. HANCOCK & SON,
GRAND HAVEN, MICH.

50,000 Rooted CARNATION CUTTINGS

to dispose of yet; all well rooted and free from disease.

	Per 100	Per 1000
Queen Louise	$5.00	$40.00
Flora Hill, Daybreak	1.25	10.00
Crane, America, Crocker	1.50	12.00
Lippincott, Melba	1.25	10.00
Lizzie McGowan	1.25	10.00
White Cloud	1.50	12.00

5000 BRIDESMAID ROSES, in 2½-inch pots, $2.00 per 100; $20.00 per 1000.

Special prices on large orders. Cash with order.

MERCER FLORAL CO.,
TRENTON, N. J.

VERBENA KING

Rooted Cuttings now ready.
Express prepaid. 100 1000
Verbenas, named, $ .60 $5.00
Daisies, white and yellow 1.00 8.00
Heliotrope, 12 var. 1.00 6.00
Smilax, strong plt 1.50
Salvias, 4 best vars. named, Rooted Cuttings 1.00 8.00
Big Boston and Plumosus in 4-inch pots, write.
That cash or C. O. D.

C. Humfeld, Clay Center, Kas.

Please mention the American Florist when writing.

Mrs. Potter PALMER.

Certificated at Indianapolis, Montreal, St. Louis Chicago, Kansas City.

Absolutely the best scarlet carnation ever introduced. $12.00 per 100; $100.00 per 1000.

MRS. Higinbotham

Certificated at Indianapolis, Chicago, Kansas City, St. Louis.

Promises to become the standard light pink; will stand in the same position as did Daybreak, ten years ago. $12.00 per 100; $100.00 per 1000.

CHICOT.

Large white faintly striped in midwinter; extremely fragrant; finest constitution; more profitable than any standard on our place last season and is doing even better now. $6.00 per 100; $50.00 per 1000.

Carnation Plants from Soil.

	Per 100	Per 1000
LAWSON	$4.00	$35.00
PROSPERITY	5.00	40.00
JOOST	1.50	12.50
MACEO	1.50	12.50
CRANE	1.50	12.50
LORD	1.50	12.50

ROOTED CUTTINGS.

	Per 100	Per 1000
ROOSEVELT	$5.00	$45.00
LAWSON	4.00	30.00
JOOST	1.50	10.00
PROSPERITY	4.00	30.00
AVONDALE	1.50	12.50
CRANE	1.50	10.00
G. LORD	1.50	10.00
NORWAY	5.00	40.00
Q. LOUISE	5.00	40.00
LORNA	5.00	45.00

CRESSBROOK, (C. Warburton), fine pink, $10 per 100; $80 per 1000.

GAIETY, (Hill), variegated, $10 per 100; $75 per 1000.

GOV. WOLCOTT, (Fisher), white, $10 per 100; $80 per 1000.

Chicago Carnation Co.

JOLIET, ILL.

Carnation Cuttings

Perfectly Healthy. Propagated From Choice Stock. NOW READY.

Queen Louise.

The Best White Commercial Carnation, **$5.00** per Hundred; **$40.00** per Thousand.

	Per 100	Per 1000
PROSPERITY	$6.00	$50.00
MRS. THOS. LAWSON	4.00	35.00
GOV. ROOSEVELT	6.00	50.00
HOOSIER MAID	4.00	
IRENE	4.00	
NORWAY	4.00	
EGYPT	4.00	
MRS. BERTRAM LIPPINCOTT	3.00	25.00
MARQUIS	2.50	20.00
MRS. G. M. BRADT	3.00	
CHICAGO	3.00	
MACEO	2.00	
BUTTERCUP	4.00	

	Per 100	Per 1000
GOMEZ	$2.00	
CROCKER	1.50	$12.50
GENEVIEVE LORD	1.50	12.50
G. H. CRANE	2.00	15.00
VICTOR	2.00	
WM. SCOTT	1.50	12.50
DAYBREAK	1.50	12.50
ELDORADO	1.50	12.50
JUBILEE	1.50	12.50
FLORA HILL	1.50	12.50
TRIUMPH	1.50	12.50
PORTIA	1.50	12.50
WHITE CLOUD	1.50	12.50

J. L. DILLON, Bloomsburg, Pa.

Please mention the American Florist when writing.

Cincinnati.

BUSINESS HEAVY AND STOCK ABUNDANT.—WEATHER FAVORABLE.—BIG PROSPECTS FOR EASTER —AN AUCTION —NOTES

Business is good and flowers plentiful. Fancy carnations are about the only flowers that are a little scarce. Roses, owing to the warm weather, are coming in abundantly. Bulbous stock is plentiful and it will take a good deal of hustling to dispose of all that will come in for Easter. Easter prices went into effect on Monday and by this method the wholesalers are trying to prevent the amount of kicks that are usually in order about a day or two before and after Easter.

The Walnut Hills Floral Bazaar has a fine display of blooming plants arranged very artistically with Porto Rican matting and gauze ribbon. Charley Jones deserves credit for the arrangement and good taste shown in bringing out the different colors.

J. A. Peterson is holding an auction sale of plants this week, having an immense amount of hybrid roses in pots, bulbous stock in pans, azaleas and baskets containing mixed plants. The bidding was quite lively.

Visitors: J. H. Sievers, San Francisco; Messrs. Draper and Clark, Greensburg, Ind.; Wm. G. Matthews, Dayton, O.; Miss Alice Barnes, Springfield, O. D.

Columbus, O.

EASTER FINDS STOCK IN EXCELLENT SHAPE.—GOOD LILIES.—CARNATIONS IN HEAVY SUPPLY.

Easter stock is all that could be asked, except that roses are somewhat off crop. Carnations are doing finely, with a large crop on everywhere, but indications are that they will all be taken up for Easter. Lilies are more plentiful than was expected. Harrisii are best; while longiflorum is on time it is disappointing in its number of flowers compared with Harrisii now showing an average of from five to nine flowers. Some good Harrisii were sold on our street market last week at 25 cents per good plant, but that fortunately does not regulate the market price. In the face of the high price paid for Roman hyacinth bulbs last fall there is quite a glut of this stock now, one grower reporting a loss of 8,000 spikes last week on account of overstock. Columbus florists were all very busy this week.

CARL.

THE GRANDEST NEW FORCING ROSE

Souvenir de Pierre Notting

The Best, The Finest, The Most Free Blooming of all Forcing ROSES, color deep yellow; will be distributed for the first time April, 1902

BY THE RAISERS

SOUPERT & NOTTING,

ROSE GROWERS,

LUXEMBOURG, (Europe).

Net price, $80.00 per 100; $1.00 each. Write for lithographs.

The Sensational New Rose for 1902.

MRS. OLIVER AMES.

For description, prices, etc., see Trade List.

Henry A. Trask, Editor of "North American," says in a letter dated Feb. 19th, 1902. The box of roses arrived safely last Saturday afternoon. Please accept my thanks. To my mind they are the realization of the ideal. Yours very truly, H. A. TRASK, Editor.

$100.00 IS OFFERED IN PRIZES for Cut Flowers of this Rose at Madison Square Show next fall.

CHRYSANTHEMUMS Some new European varieties of sterling merit, the stock of which we control for the American Market, and also all the cream of last year's new European varieties, and all the New American varieties of this season's introduction; for those contemplating growing for the shows next fall the above will prove winners.

CARNATIONS All the New and Standard Varieties. My catalogue describing the above will be mailed to those not having received it, by sending a postal card to

JOHN N. MAY, Summit, N. J.

Ivory

or White Golden Gate.

Guaranteed TRUE STOCK

Strong plants out of 2-in. pots.

$6.00 PER 100.
27.50 PER 500.
50.00 PER 1000

W. A. Hammond

107 E. Broad St., Richmond, Va.

ROSES DORMANT, Own Roots, Field Grown, Two years old. Our own growing. Best Hybrid Perpetuals. Crimson Ramblers and Mosses No. 1, $8; No. 1½, $6; No. 2, $3.50.

GOOD CONDITION GUARANTEED. WRITE FOR PRICE LIST.

W. F. HEIKES, Manager, 3019 NORTH BROADWAY, ST. LOUIS, MO.

Geraniums

Red, white, pink, salmon, rose, ivy and pelargoniums, in 2½ and 3-in., ready for shift; write

GEO. A. KUHL, Pekin, Ill.

PANSY PLANTS THE FAMOUS Diamond Strain of large flowered Pansies, over 50 varieties mixed. Fine stocky, hardy, open ground, well rooted, seed-bed plants good as transplanted; some in bud. By express, $3.50 per 1000; $2.00 per 500. Cash with order.

L. W. COODELL, Pansy Park, Dwight, Mass.

Please mention the American Florist when writing.

Orchids!

Our Illustrated and Descriptive Catalogue of Orchids is now ready and may be had upon application.

LAGER & HURRELL, SUMMIT, N. J.

Orchid Growers and Importers.

Alternantheras P. MAJOR and A. NANA.....

Strong rooted cuttings, 50cts per 100, or $4.00 per 1000.

DAVIS BROS., MORRISON, ILL.

Please mention the American Florist when writing.

EASTER STOCK

BOSTON FERNS.

In pans, grown the way you like them, full, bushy, compact stock, ready for your counter trade.

	Each	Doz.	100
12-inch pans	$4.00	$40.00	
10-inch pans	3.00	30.00	
9-inch pans	2.00	20.00	
8-inch pans	1.50	15.00	
7-inch pans	1.00	10.00	
6-inch pans	.75	8.00	$60.00
5-inch pans	.50	5.00	40.00
4-inch pots		2.50	20.00
3-inch pots		1.50	10.00
2½-inch pots		.60	5 00

ASPARAGUS PLUMOSUS NANUS.

Fine bushy stock in large quantity.

	Doz.	100	1000
5-inch pots	$4.00	$30.00	
4-inch pots	2 00	15.00	
3-inch pots	1.00	8.00	$70.00
2½-inch pots	.60	5.00	40.00

ARAUCARIA EXCELSA. A Big Bargain.

5-inch pots, 18 to 20 inches high, 4 to 6 whorls, each, 75c; dozen, $9 00.

PANDANUS VEITCHII, Very fine colored.

5-inch pots	each,	$1.00
6-inch pots	"	1.50
7-inch pots	"	2.00
8-inch pots	"	2.50

FICUS ELASTICA (Rubber Plant).

7-inch pots, 36 inches high, very fine stock, $9.00 per dozen.

PHŒNIX CANARIENSIS.

Fine bushy plants, 8-inch pots, 36 inches high, each, $2.50; dozen, $24 00.

LATANIA BORBONICA. Fine stock.

5-inch pots	per dozen,	$4 00
6-inch pots	"	5.00
8-inch pots, fine specimens	each,	1.75

KENTIA BELMOREANA.

6-inch, 5 to 6 leaves, 28 to 30 inches high, dozen, $18.00.

KENTIA FORSTERIANA.

7-inch, 5 to 6 leaves, 36 to 40 inches high, each, $2.00. Many other sizes in Kentias. See our Book for Florists.

GENISTAS.

5 and 6-inch pots, fine bushy plants, full of buds and flowers, per dozen, $6.00.

CRIMSON RAMBLER ROSES.

7 and 8-inch pots, in fine shape and flower for Easter sales, $3.00 to $5 00 each.

HYDRANGEAS.

7-inch pots, in bud and flower, bushy stock, per dozen, $8.00.

GERANIUM JEAN VIAUD.

The finest of all geraniums. Handsome bushy plants in 5 inch pots, showing from 2 to 4 flower spikes ..... per dozen, $6 00
3-inch pots ..... per 100, 8.00
2¼-inch pots ..... per 100, 5.00

SPIRÆA

JAPONICA, COMPACTA and GLADSTONE, 6-inch pans, fine bushy stock, will be in flower for Easter, per dozen, $4.00.

RHODODENDRONS

In flower, assorted sizes, in white, pink and lavender colors, $1 50 to $3 00 each, according to size of plant.

ROOTED CARNATION CUTTINGS.

Why not get the Best? They are the Cheapest.

You don't have to buy 200 to have 100 fit to plant out, when planting time comes. For every 100 we send, you have 101 when ready to plant.
We have the finest and largest stock of NORWAY and ESTELLE in the country.
Stock marked (*), now ready in flats. ☞ Send us a list of your wants for special prices on large lots.

	Per 100	Per 1000
Flora Hill	$1.75	$15 00
*General Maceo	1.75	15.00
*Mrs. F. Joost	1.75	15.00
*White Cloud	1.75	15.00
*Wm. Scott	1.75	15.00
*America	1.75	15 00
Daybreak	1.75	15 00
Ethel Crocker	1.75	15.00
*G. H. Crane	2.50	20.00
*Triumph	2.00	18 00
Guardian Angel	1.75	15.00
*Genevieve Lord	2 00	15 00
*Marquis	2.00	17.50
*Mrs. G. M. Bradt	2.50	20.00
*Chicago	3.50	30.00
Gold Nugget	3.50	30.00
*Morning Glory	3.00	25.00
Lorna	5.00	40.00
*Mrs. T. W. Lawson	5 00	40.00
Queen Louise	5.00	45.00
*Norway	4.50	40.00
Prosperity	6.00	50.00
*Governor Roosevelt	6.00	50.00
Estelle	6.00	50.00
Dorothy	6.00	50.00
Cressbrook	10.00	75.00
Enquirer	12 00	100.00
Mrs. Potter Palmer	12.00	100.00
Mrs. Higinbotham	12.00	100.00
Mrs. E. A. Nelson	10.00	80.00

CANNAS.

Strong, Dormant, Two Eyed Roots.

	Per 100	Per 1000
Allemania	$3.00	$25.00
Burbank	3.00	25.00
Exp. Crampbell	3.00	25.00
Florence Vaughan	4.00	35.00
Mdlle. Berat	3.00	25.00
Paul Marquant	3.00	25.00
Pres. Carnot	2.50	20.00
Mixed all colors	1.75	10.00

Largest stock in United States of other choice cannas true to name. Write for prices.

GREENHOUSES: WESTERN SPRINGS, ILL.

VAUGHAN'S SEED STORE, 84-86 RANDOLPH ST., CHICAGO. 14 BARCLAY ST., NEW YORK.

CARNATIONS.

Rooted Cuttings for latter March and April delivery.

	100	1000
QUEEN LOUISE	$4.00	$35.00
G. H. CRANE	1.50	12.00
ESTELLE	5.00	
ROOSEVELT	6.00	
ETHEL CROCKER	1.25	10.00
GENEVIEVE LORD	1.00	7.50
DOROTHY	5 00	40.00
PROSPERITY	4.00	30.00
CRESSBROOK	10.00	75.00

GERANIUMS.

Rooted Cuttings, March and April delivery.

A general assortment, standard and fancy sorts, single and double, all of them good. My selection of varieties, all correctly labeled at $1.50 per 100; $12.50 per 1000.

Jean Viaud, (rooted cuttings,) $3.00 per 100.
M. de Castelaine, (rooted cuttings,) $5.00 per 100.

BONE MEAL.

The very best brand in the market for florists' use, give me a trial order. 200 lb. bag, $3 50; per ton, $32 50. A little higher in price than some, a great deal better in results.

ALBERT M. HERR, LANCASTER, PA.

CANNAS Burbank, Henderson, Mme. Crozy, F. Vaughan, P. Marquant, L. E. Bally, A. Bouvier, J. C. Vaughan, Egandale, Souv. de Antoine Crozy in variety, started, $2 50 per 100.

ALTERNANTHERAS P. Major, red, R. C., 60c, postpaid. Pot plants, red, yellow, pink, $2.00 per 100.

BOSTON FERN 2½-inch, 3c; 3-inch, 8c; 8-inch, $1 00.

Begonias, flowering, in variety, 2½-in., 2½c.
Russelia Multiflora and Elegantissima 2½-in. 4c.
Vinca Major, strong, fine runners, 2-in., 3c. Cash.

A. J. BALDWIN, NEWARK, OHIO.

We've thousands of readers and hundreds of advertisers. Each helps the other.

AS SOON as Easter is over you will begin to think of Roses. We have 40 000 to 50,000 in 2 x 2½, 2½ x 3 and 3-in. We believe in shifting Young Roses often. All stock offered in 2½-in. pots has been shifted from 2-in. and is equal to most stock advertised as 3 in., and when we send it out is well established. Meteors, Maids, Brides, Perles, La France, Woottons, Pres. Carnot, Belle Siebrecht Kaiserin, Golden Gate, Liberty and Am. Beauties, are the varieties we grow. Send $1.00 for samples of varieties you want and write

GEO. A. KUHL, Pekin, Ill.

ROBT. CRAIG & SON,
Roses, Palms
and Novelties in Decorative Plants,
Market and 49th Sts., Philadelphia, Pa.

Please mention the American Florist when writing.

ROOTED CUTTINGS

Estelle, $5.00; Lawson, $4.00; Marquis and Elm City, $2.00; Crocker and Lord, $1.00 per 100. Other varieties on application.

Genistas, bushy plants for Easter, 6-in. pots, $4.50 per doz.

DANA R. HERRON, OLEAN, N. Y.

FOR SALE Four large specimen plants, **LATANIA BORBONICA**, height and spread twelve feet, in 30x30x30-in. cedar boxes in good condition.

10 large green and variegated **ALOES.**
10 large variegated **YUCCAS,**
Can be sent by freight about May 1st.

JOHN RALPH, Saratoga Springs, N. Y.

Please mention the American Florist when writing.

100,000 GIANT PANSIES

Best strain, strong plants, all transplanted and grown cool, 50c per 100; $4.00 per 1000. Express prepaid.

ASTERS, Hohenzollern, pure white, delicate rose and red (Roemer's), last year novelty, grandest aster to date. Mammoth size, 7 inches across, double to center, resembling a large Japanese chrysanthemum, unsurpassed for cutting or bedding, plants branching, with strong stems 18 to 20 inches long, 7 c per 100; $6.00 per 1000.

Queen of the Market, white, red, pink and mixed.

Florists' Upright Branching, outer petals recurved, center petals incurved, superb cut flower, pure white, daybreak pink, fiery scarlet and lavender.

Late Branching or Semple's, white, rose pink, lavender, red and mixed.

All the above are the best money makers for florists, strong, healthy plants, assorted to suit, 50c per 100; $4.00 per 1000. Express prepaid for cash with order.

DES MOINES PLANT CO.,
38th St., Des Moines, Iowa.

ROOTED CUTTINGS

	Per 100	Per 1000
Coleus	$ .60	$5.00
Geraniums	1.50	12.50
Carnations, 25 varieties, send for list		
Mme Salleroi Geranium	1.25	
Petunia, Mrs. Edwards, best bedding, double	1.50	
Alternanthera, from flats, fall struck, perfect plants	1.00	8.00
Baby Primrose	1.50	

CENTRAL MICHIGAN NURSERY,
KALAMAZOO, MICH.

Bellevue, Pa.

BURKI HAS FINE STOCK FOR EASTER.—PIONEER WHOLESALE CUT FLOWER GROWER FOR WESTERN PENNSYLVANIA.

What impresses the visitor upon first approaching Fred. Burki's place is its picturesque location. Situated upon an elevation overlooking the valley for a considerable distance, the thirty-six houses, over 100,000 feet of glass, certainly present an imposing sight. Mr. Burki, I may state at the outset, is the pioneer grower for the wholesale cut flower market in this vicinity. Of the thirty-six houses ten are devoted to carnations, ten to roses and sixteen to bulbous and miscellaneous stock. It would be needless to add that none but the best varieties of carnations are grown. In whites, White Cloud does especially well, with Flora Hill as a close second. In pinks, Lawson and Marquis vie with each other for the palm, both looking remarkably fine and yielding handsome returns. Scott and Frances Joost are still grown in quantity, the latter doing especially well. In scarlets Hector is practically the only one grown thus far, but next season will find Estelle, Crane and Mrs. Potter Palmer on the list, and Adonis as soon as stock can be procured. Prosperity does not pay for the room given it. With some florists its proves an adversity rather than prosperity. An addition to the pink varieties will be the Nelson. Mr. Burki has tested twenty-five plants and he finds it good.

Nor is he less successful with his roses and there will be a fine crop for Easter. Bulbous stock looks fine and lilies, both Harrisii and longiflorum, about 15,000 in number, are in no wise disappointing, the number of crippled or diseased plants being comparatively insignificent. That the lilies will sell goes without saying.

Last season Mr. Burki built two mammoth houses at Bakerstown, about eighteen miles from Pittsburg, especially for American Beauty roses. Two additional houses, each 30x450, will be built this spring. NOMIS.

California Carnations.

Our cuttings are rooted without fire heat and are strong, hardy and well rooted. They are so far superior in every way to cuttings rooted by fire heat that they should not be mentioned in the same connection. We guarantee safe arrival and satisfaction.

	Per 100	Per 1000
QUEEN LOUISE, white	$4.00	$30.00
MERMAID, fine salmon pink	3.00	20.00
G. H. CRANE, scarlet	1.50	12.00
MRS. F. JOOST, fine pink	1.00	8.00

Giant of California Pansy Plants, 50c per 100; $2.50 per 1,000. Giant of California, transplanted plants, $5 per 1000—100 sent at 1000 rates.

TERMS CASH WITH ORDER.

THE LOOMIS FLORAL CO.,
LOOMIS, CALIFORNIA.

Orders booked now for my new Fern "NEPHROLEPIS FOSTERIANNA,"

Anna Foster.

Kentia*, any quantity, 6-in., 30-in., $1.00 each. R. C. Coleus, mixed, 50 cents per 100; Verschaffeltii, G. Bedder, 75 cents per 100. Dracæna Indivisa, 6-in., $50.00 per 100. Geraniums in bloom for Easter.

I. H. FOSTER, 45 King St., Dorchester, Mass.

COLEUS.

Golden Bedder, Yellow Queen, Klondyke, Verschaffeltii and mixed. Rooted Cuttings and 2-inch stock. Write

GEO. A. KUHL, Pekin, Ill.

Please mention the American Florist when writing

Geraniums, Carnations, Palms, Etc.

	Per 100
CARNATIONS, 2¼-in. pot plants.	
Marquis	$3.00
Ethel Crocker	2.50
California Gold	2.50
Crane	2.00
Joost	2.00
Mary Wood	2.50
White Cloud	2.00
GERANIUMS, S. A. Nutt, Mme. Barney, Richelieu, La Favorite, John Doyle, Mme. Charles Molin and Beaute Poitevine, $30.00 per 1000	
Jean Viaud	5.00
Marquis de Castellaine	6.00
Set of 4 New Bruants for	.60
Set of 8 New Doubles for	1.50
In good assortment, our choice of varieties, $27.50 per 1000	
ROSE GERANIUMS, strong	2.50
CANNAS, all the standard varieties, strong roots	2.50
MOONFLOWER, Ipomœa Grandiflora	3.00
PRIMULA FORBESI	3.00
HELIOTROPES, six varieties	2.00
SELAGINELLA Emiliana	2.00
FUCHSIAS, in good assortment of varieties, 2½-in. pots	$2.50
Areca Lutescens, 2½-in. pots, $30.00 per 1000	4.00
Areca Lutescens, 3-in. pots	8.00
Areca Lutescens, 4-in. pots., 3 plants in a pot	20.00
Kentia Belmoreana, 2½-in. pots	7.00
Kentia Belmoreana, 3-in. pots	15.00
Latania Borbonica, 2½-in. pots	3.00
Latania Borbonica, 3-in. pot, $40 per 1000	5.00
Pandanus Utilis, 2½-in. pots	5.00
Pandanus Utilis, 4-in. pots	15.00
Pandanus Veitchii, 4-in. pots, $6.00 per doz.	
ASPARAGUS PLUMOSUS, 2½-in.	4.00
ASPARAGUS SPRENGERI, strong, 2½-in.	2.00
ASPARAGUS SPRENGERI, strong, 3-in.	3.00
SPIRAEAS, Nana Compacta, Astilboides, Floribunda and Japonica at	3.50
AZALEA MOLLIS, fine for Easter	35.00
TUBEROUS ROOTED BEGONIAS, single, separate colors	3.00
TUBEROUS ROOTED BEGONIAS, double, separate colors	6.00
GLOXINIAS	4.00

The Storrs & Harrison Co.

PAINESVILLE, OHIO.

ARECA LUTESCENS, per doz.—4-in., $3; 5-in. $5; 6-in., $9.
KENTIA BELMOREANA, per doz.—4-in., $4; 5-in., $9; 6-in., $18.
KENTIA FORSTERIANA, per doz.—4-in., $4; 5-in., $9; 6-in., $15.
LATANIA BORBONICA, per doz.—4-in., $3; 5-in., $5; 6-in., $9; 7-in., $10; 8-in., $24.
FICUS ELASTICA, 6-in., $9 per doz.
ARALIA SIEBOLDII, 5-in., $4 per doz.; 6-in., $6 per doz.
PANDANUS VEITCHII, per doz.—5-in., $12; 6-in., $18; 8-in., $36.
NEPHROLEPIS BOSTONIENSIS, runners, $30 per 1000; 2-in., $4 per 100; 8-in., $15 per doz. **NEPHROLEPIS WITTBOLDII**, fine specimens from 8-in. pots, $15 per doz.
ASPARAGUS PLUMOSUS NANUS, from seed beech, $25 per 1000; 2-in., $4 per 100; 3-in., $8 per 100.
FERNS FOR DISHES, Etc., $4 per 100.
FERN BALLS, well furnished with leaves, $5 per doz.

The GEO. WITTBOLD CO.

1657 Buckingham Pl., Chicago.

WELL GROWN ROSES

Beautiful Young Stock, breaking at every eye. Will make Large Plants Early....

	100	1000
Bridesmaids, Brides, 2x3 rose pots	$2.50	$22.50
Maids, Brides, Gates, rooted cuttings	1.50	12.00
Perle, rooted cuttings	2.00	15.00

All Select Two and Three-Eye Cuttings.

Carnations. Marquis, Jubilee, Flora Hill, $1.25 per 100; Scott, $1.

W. H. GULLETT & SONS, Lincoln, Ill.

A. W. SMITH'S MOON VINES,
IPOMOEA NOCTIFLORA,

Now ready. Earliest moon vine grown, flowers pure white, look like wax and large as a saucer. I have a full supply of these vines, which are ever in great demand. 2¼-in. pots, $5.00; 4-in. pots ready May 1, from $8.00 to $10.00 per 100.

GODFREY ASCHMANN,
1012 ONTARIO ST. PHILADELPHIA.

Double GERANIUMS

Gen. Grant, La Favorite, S. A. Nutt, E. G. Hill and Frances Perkins, 4-inch, in bud and bloom, $5.00 per 100; $40.00 per 1000.
FUCHSIAS, double and single, 4-in., $5 per 100.
HELIOTROPE, 4-inch, $5.00 per 100.
PANSIES, the very best strain, 50c per 100 by mail; $3.00 per 1000 by express.
MAMMOTH VERBENAS, 60c per 100 by mail; $4.50 per 1000 by express.

WHITTON & SONS,
City and Green Sts., UTICA, N. Y.

Please mention the American Florist when writing.

BULBS AND PLANTS

FOR FALL DELIVERY.

We book orders now; special price list mailed to the trade only, on application. Address

AUGUST ROLKER & SONS.
52 Dey Street, New York.

BOBBINK & ATKINS,

Plant and Bulb Merchants,

RUTHERFORD, N. J.

Pansy and Vegetable Plants.

Cabbage, Lettuce and Pansy plants ready after April 1. Tomato, Pepper, Celery and Cauliflower ready May 1. These are stocky transplanted plants from best seed obtainable; hardened off in cold frames. For prices write

FRANK SHEARER & SON.,
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Roses Brides, Maids and Golden Gates. 2½ inch stock in fine condition. $2.25 per 100; $18 per 1000. Ready for delivery.

West View Floral Co., Knightstown, Ind.

GENERAL LIST OF HERBACEOUS PLANTS.

Field-grown stock indicated by figures, f. g.; pot- grown, 3½-ins., by p.

	Per 100.
Achillea, The Pearl, p.	$3 00
Achillea filipendula, p.	3 00
Achillea roseum, p.	3 00
Adonis vernalis, fg.	4 00
Agrostemma coronaria, fg.	4 00
Agrostemma Flos Jovis, fg.	4 00
Anemone sylvestris, p.	3 00
Anemone Japonica rubra, p.	3 00
Anemone, J. "Whirlwind." 2-in.	3 00
Anemone Pena, 2-in. pots.	3 00
Asclepias pulchra, p.	6 00
Asclepias tuberosa, p.	3 00
Apois tuberosa, p.	3 00
Armeria maritima, p.	3 00
Arabis alpina, p.	3 00
Artemisia arbrotanum, p.	3 00
Astilbe Japonica, fg.	4 00
Alyssum saxatile, 2-in. pots.	3 00
Anthemis Kelwayii, p.	3 00
Aquilegia vulgaris, fg.	4 00
Aquilegia " white, fg.	4 00
Aquilegia coerulea, fg.	4 00
Aquilegia Vervaeneana, fg.	8 00
Aquilegia chrysantha, fg.	4 00
Aquilegia glandulosa, fg.	8 00
Aquilegia Canadensis.	8 00
Aletris farinosa, fg.	3 00
Aralia hispida, fg.	8 00
Arenaria squarrosa, fg.	6 00
Asarum Canadense, fg.	8 00
Asplenium ebeneum, fg.	4 00
Aster Novae-Anglae, p.	3 00
Aster grandiflorus, p.	3 00
Aster alpinus, p.	3 00
Aster pyramidalis, p.	3 00
Aster pyramidalis, fg.	4 00
Aster linarifolius, fg.	6 00
Aster longifolius, fg.	10 00
Aster patens, fg.	6 00
Aster puniceus, fg.	10 00
Aster spectabilis, fg.	6 00
Aster Tradescanti, fg.	6 00
Aster Tataricus, fg.	6 00
Bocconia cordata, fg.	4 00
Boltonia asteroides, fg.	6 00
Baptisia tinctoria, fg.	6 00
Calla palustris, fg.	8 00
Caltha palustris, fg.	6 00
Caryopteris Mastacanthus, p.	3 00
Clematis Davidiana, p.	3 00
Clematis paniculata, p.	3 00
Campanula pyramidalis, fg.	4 00
Campanula pyramidalis, 2-in. blue.	3 00
Campanula pyramidalis, 2-in. white.	3 00
Campanula Medium, fg.	4 00
Campanula compacta, 2-in. pots.	3 00
Coreopsis lanceolata, p.	3 00
Coreopsis grandiflora, p.	3 00
Chrysanthemum, hardy, fg.	4 00
Chrysanthemum inodorum, fg.	4 00
Chrysanthemum uliginosum, fg.	4 00
Dentaria laciniata, fg.	6 00
Dicentra Canadensis, fg.	5 00
Dicentra spectabilis, fg.	5 00
Drosera filiformis, fg.	4 00
Delphinium azureum, fg.	4 00
Delphinium Sinensis, fg.	4 00
Delphinium nudicaule, 2-in. pots.	3 00
Dianthus barbatus, fg.	4 00
Dianthus Her Majesty, fg.	4 00
Dianthus May, fg.	4 00
Digitalis monstrosa, fg.	4 00
Digitalis grandiflora, 2-in. pots	3 00
Digitalis spotted, fg.	4 00
Epilobium angustifolium, fg.	8 00

	Per 100.
Eryngium Virginicum, fg.	6 00
Eupatorium purpureum, fg.	6 00
Eupatorium ageratoides, fg.	6 00
Eulalia Japonica, fg.	4 00
Eulalia Japonica, Var. fg.	4 00
Eulalia zebrina, fg.	4 00
Eulalia gracillima, fg.	4 00
Euphorbia corollata, p.	3 00
Funkia lancifolia, fg.	4 00
Funkia Sieboldii, var, p.	4 00
Funkia coerulea, p.	3 00
Gentiana Saponaria, fg.	8 00
Gerardia flava, fg.	6 00
Gillenia trifoliata, fg.	10 00
Gratiola aurea, fg.	6 00
Gaillardia grandiflora, p.	3 00
Geranium Ibericum, p.	3 00
Geranium maculatum, p.	3 00
Geum astro-sanguineum, fg.	4 00
Helenium autumnale, fg.	4 00
Helianthus angustifolius, fg.	6 00
Helianthus stromusus, fg.	6 00
Helianthus Soleil d'Or, 2-in. pots.	6 00
Helianthus multiflorus, 2-in. pots.	3 00
Heliopsis Pitcherianus, fg.	4 00
Heloniias bullata, fg.	6 00
Hemerocallis flava, fg.	4 00
Hemerocallis Sieboldii, fg.	4 00
Hepatica acutiloba, fg.	6 00
Heuchera Americana, fg.	4 00
Hibiscus Crimson Eye, fg.	4 00
Hibiscus coccineus, p.	3 00
Hibiscus Rose Pink, fg.	6 00
Hollyhocks, 4 colors, fg.	4 00
Houstonia coerulea, fg.	6 00
Hypericum angulosum, fg.	6 00
Iberis sempervirens, 2-in. pots.	3 00
Ipomoea paudurata, fg.	12 00
Iris Germanica, p.	3 00
Iris pumila, p.	3 00
Iris Siberica, p.	3 00
Iris Kaempferi, fg.	4 00
Dancing Lion, purple, very large and double.	
Sky-against-the-clouds, white, very large and fine.	
Glorious, maroon and white, variegated.	
Crane, white and blue, large and fine.	
Hollyhock, blue, shaded purple.	
Fairy, bright blue.	
Columbia, violet, very large and double.	
Admiration, maroon, spotted lighter, very grand.	
Surprise, violet, bright and clear.	
Sawo-Watshi, pure white, large and fine.	
Yum Yum, purplish blue.	
Kasui-no-iro, light blue, very handsome.	
Snow Cloud, double white, large and beautiful.	
Spotted Fawn, light purple, with white spots.	
Midnight, violet, very large and double.	
Koko-no-iro, light purple, large and double.	
Tora-odori, variegated blue, large flower.	
Data Dogu, bright purple, very large and attractive.	

	Per 100.
Lavandula vera, p.	$3 00
Lychnis Chalcedonica, fg.	4 00
Lobelia cardinalis, p.	3 00
Lobelia syphilitica, fg.	6 00
Linum perenne, p.	3 00
Lathyrus latifolius, p.	3 00
Liatris graminifolia, fg.	4 00

	Per 100.
Liatris spicata, fg.	5 00
Lilium Philadelphicum, fg, each	35
Lupinus perennis, fg.	8 00
Lysimachia ciliata, fg.	8 00
Lythrum Salicaria, fg.	8 00
Matricaria, fg.	4 00
Mitchella repens, fg.	3 00
Mondara didyma, fg.	4 00
Myosotis palustris, p.	3 00
Oenothera Fraserii, p.	3 00
Oenothera fruticosa, fg.	4 00
Papaver bracteatum, 2-in. pots.	3 00
Platycodon grandiflorum, p.	3 00
Platycodon grandiflorum	3 00
Platycodon Mariesii, p.	3 00
Paeonies, red, pink, rose, fg.	9 00
Pardanthus Sinensis, fg.	3 00
Pentstemon, assorted, fg.	4 00
Pentstemon barbatus, fg.	4 00
Phlox subulata alba, p.	3 00
Phlox subulata rosea, p.	3 00
Phlox, herbaceous, fg.	4 00
Alceste, fine pink, red center.	
Aurora Boreale, orange, with purple center.	
Caran d'Ache, carmine.	
Epopee, violet, with red center.	
Hector, pink, very large and fine.	
J. H. Slocum, rose pink, crimson eye.	
Jules Jouy, lilac, with white center.	
Mme. P. Langier, bright red, vermilion center.	
Premier Minister, white, with deep rose center.	
Terre Neuve, lilac, violet center.	
Queen, pure white. Nothing can surpass it.	
Richard Wallace, white, with violet center.	

	Per 100.
Physostegia Virginiana, fg.	$4 00
Pyrethrum roseum, fg.	4 00
Plumbago Larpentae, p.	8 00
Pyrola rotundifolia, fg.	4 00
Rudbeckia Golden Glow, fg.	4 00
Rudbeckia Newmanii	3 00
Salvia pratensis, fg.	4 00
Statice latifolia, fg.	4 00
Tritoma grandiflora, p.	3 00
Tradescantia Virginica, p.	3 00
Trillium grandiflorum, p.	3 00
Valeriana, fg.	4 00
Veronica officinalis, p.	3 00
Yucca filamentosa, fg., small	3 00
Yucca filamentosa, fg., large	8 00

SHRUBBERY.

Berberis vulgaris, fg.	$6 00
California privet, 2 ft., fg.	3 00
Calycanthus floridus, fg.	6 00
Deutzia, Pride of Rochester, fg.	5 00
Forsythia viridissima, fg.	6 00
Hydrangea panticulata grandiflora, fg., small	4 00
Hydrangea panticulata grandiflora, fg., large	12 00
Kerria Japonica, fg.	6 00
Ribes (flowering currants), fg.	6 00
Sambucus aurea, fg.	6 00
Spiraea Thunbergii, fg.	6 00
Spiraea Anthony Waterer, p.	3 00

Single plants sold at 100 rates, when not less than 100 are taken. Under this amount rates will be doubled.

Not less than 500 plants sold at 1,000 rates.

Cash with Order. **EDWARD B. JACKSON, Stamford, Conn.**

Dahlias

Mrs. Winters

THE WORLD'S BEST WHITE DAHLIA.

Novelties and Standard varieties. 18 yrs'. experience and have failed of no prize competed for.

See my catalogue before placing your order. Also fine field-grown Hollyhocks at $2.50 per 100. Cannas, Pæonias and Hardy Plants. Cheap mixtures are dear; get the best.

W. W. WILMORE, The Dahlia Specialist, Box 382, DENVER, COLO.

IMPATIENS THE QUEEN

This variety we now offer for the first time, it being far ahead of any cheap blooming house plant that we know of. A grand plant for out-of-town florists.

Flowers 1¼ to 1½ inches in diameter, color a delicate satiny pink with bright carmine eye, center of petals faintly tinged with white, wonderfully profuse and of the easiest culture. Price, 2-inch pot plants, $1.50 per doz.; $10 00 per 100.

CENTRAL MICHIGAN NURSERY, Kalamazoo. Mich.

GERANIUMS

	Per 100
16 fine varieties, 2½-inch pots	$3.00
16 fine varieties, 3-inch pots	4.00
500 Asparagus Sprengeri, 2-inch pots	2.00
Coleus, 15 varieties, 2-inch pots	2.00
Verbenas, 2-inch pots	2 00
Vinca Var., 2-inch pots	2.50
Pansy Plants, from seed beds, 1000, $3	.50

CASH OR C. O. D.

J. H. CUNNINGHAM, Delaware, O.

CHRYSANTHEMUMS

are our SPECIALTY.
We also offer a complete list of

Carnations, Cannas, Pelargoniums,

Etc. Send for Catalogue.

Nathan Smith & Son, Adrain, Mich.

Violets My Specialty

Good strong rooted runners of Princess of Wales and La France at $3 per 1000; $25 per 10,000; now ready. Also Tree Violets in 2½-in. pots and 8 to 12 inches high, ready May 1st, at $5 per 100.

Orders booked now. Cash with order.

FD. BOULON, SEA CLIFF, L.I.

VIOLETS

Rooted cuttings of Marie Louise, Lady Campbell, Swanley White and Imperial, 2¼-in. pots, $3.00 per 100; $25.00 per 1000.

CARNATIONS, rooted cuttings.
SEND FOR CATALOGUE.

CRABB & HUNTER, Grand Rapids, Mich.

Nashville, Tenn.

WEATHER MOST FAVORABLE TO STOCK.—CHEAP TRADE BARRED FROM EASTER COMPETITION.—BUSINESS IN GOOD HANDS.

The weather for the past few weeks has been so favorable that there seems to be an abundance of flowers of all kinds, and the florists' windows are radiant with bloom. Some of the finest Bride and Bridesmaid roses ever produced for any market are being shown here now, Joy & Son showing some that are enormons in size, as well as perfect in shape. Violets have been somewhat more abundant, and splendid specimens of carnations are also grown. Dealers are looking forward to a splendid Easter trade. There is a fine lot of lilies on the market. The very early season cuts off the outdoor supply and the trade has nothing to fear from cheap competition.

Since the retirement of Currey & Company from business there is very much less competition, and the Joy & Son Company has matters pretty much its own way. The latter firm, which bought out Currey & Company, has torn down the greater part of the range of greenhouses, leaving only a few rose houses, which are at present producing very fine stock. As soon as the rose crop is off these, too, will be removed. Mrs. C. A. Birn, whose store is very near Joy & & Son, does a nice retail cut flower business but makes no effort at growing.

Geny Brothers are enterprising young men, and have a beautiful store in the Lulane Hotel building. They are great successes with violets, carnations and chrysanthemums, which are their specialties. They have a fine supply of Easter lilies. They grow no roses and handle very few palms. They have succeeded very well since opening an up-town store, and have been growers for many years.

There are numerous small growers here but these can hardly be said to enter into competition in the general and regular trade. M. C. DORRIS.

CORTLAND, N. Y.—Messrs. Hopkins say that their season's addition will be about 5,000 feet of glass to their present range of 10,000 square feet.

SOUTH WEYMOUTH, MASS. — George Hollis has been raising seedling pæonias for some time and reports that he now has some promising varieties.

SPECIAL April OFFER

GERANIUMS.

To reduce our stock of 100,000 plants at once, we will fill orders for the following strictly high grade varieties, true to name and first-class in every respect: extra strong top cuttings, well rooted, ready for 2½-inch pots, $1.50 per 100; $14.00 per 1000; In Variety—S. A. Nutt (best crimson bedder), E. G. Hill, F. Perkins, Beaute Poitevine, Mme. Bruant, Dutchess of Orleans, La Favorite, J. M. Garr, Snow Drift, Thos. Meehan, Alphonse Riccard, L. P. Morton, Athlete, J. J. Harrison, E. Kelway, Mme. Jaulin.

Double Fringed Petunias, our superb collection of ten novelties, extra strong rooted cuttings, $1.00 per 100; $9.00 per 1000.

Smilax, strong seedlings ready for 2-inch pots, 50c per 100; $4.00 per 1000.

CASH WITH ORDER.

The W. T. Buckley Plant Co., Springfield, Ill.

GERANIUMS All the best varieties, extra fine plants. S. A. Nutt, Marvel, Grant, F. Perkins, Mme. Jaulin, La Favorite, Hill, etc., 2¼-in., $2.00 per 100; 3-in. $3.00 per 100; 4-inch in bud or bloom, $5.00 per 100. **PANSIES**, extra fine plants from cold frame coming in bud, $1.00 per 100; $8.00 per 1000. **VERBENAS**, 60c per 100; $4.50 per 1000. **DOUBLE DAISIES**, large plants, 75c per 100; $5.00 per 1000. **HILL TOP GREENHOUSES, 15-16 Gray Ave., UTICA, N. Y.**

ROOTED CUTTING LIST

NOW READY FOR SHIPMENT.

	Per 100	Per 1000
Marguerites	$ .75	$ 6.00
Heliotrope, 4 varieties	.60	5.00
English Ivy	2.00	18.00
Pyrethrum, double white	1.00	8.00
Achyranthes, 4 varieties	1.00	8.00
Salvia, 4 varieties	.60	5.50
Ageratum, 6 varieties	.60	5.00
Alternanthera, 4 varieties	.75	6.00
Fuchsias, 3 varieties	1.25	10.00
Abutilons, 12 varieties	2.00	18.00
Coleus, 75 varieties, named	.75	6.00
" not named	.60	5.00
" Verschaffeltii, red	.60	4.50
" " golden	.60	4.50

	Per 100	Per 1000
Coleus, Golden Bedder	.60	4.50
" Brilliancy	8 00	

Boston Ferns Strong, bushy, well grown stock for immediate shipment.

	Per 100	Per 1000
2¼-inch pots	$2.50	$22.00
2½-inch pots	3.00	28.00
3 -inch pots	6.00	55.00

PTERIS TREMULA, 2¼-inch pots, per 100, $2.00; 2½-in. pots, per 100, $3.00; 3-in. pots, per 100, $5.

For list of varieties see AMERICAN FLORIST of Nov. 9. If wanted by mail add 15c per 100. Samples by mail 25c.

CHRYSANTHEMUMS W. H. Lincoln, Jerome Jones, Golden Wedding, Philadelphia, Ivory, Thornden, Pres. Smith, Minnie Wanamaker, Louis Boehmer, Maud Dean, Viviand-Morel, Bajor Bonnaffon, G. W. Childs. Rooted cuttings, grand stuff, $1.25 per 100; $10.00 per 1000.

☞ All the above sold on the positive guarantee of their being first-class, if not, your money at once refunded.

JOHN IRVINE & SONS, Bay City, Mich.

A Discount of 50% on Wittboldii Ferns

FOR 30 DAYS ONLY.

2½-inch, $5.00; 3-inch, $8.00; 4-inch, $12.00; 5-inch, $20 per 100. Bench plants, $3 to $8 per 100. Good for 10-inch pots, 50 cts. each.

THESE ARE JUST WHAT YOU WANT FOR EASTER.

CASH PLEASE. **A. J. BALDWIN, Newark, Ohio.**

GERANIUMS.

We have ready for immediate delivery strong, thoroughly established plants from 2 1-4 and 2 1-2 inch pots, according to vigor of variety, in the following kinds:

Mme. Buchner, Countess d'Harcourt, Rene Bazin, Mme. Rozain, Eulalia, $3.50 per 100.

Beaute Poitevine, Mme. Laudry, Richelieu, Mme. Chas. Molin, Mme Barney, Comtesse de Castris, S. A. Nutt, Marvel, Mme. Ph. Labrie, Mme. Desbordes, Valmore, Marie Fournier, $4.00 per 100.

Alphonse Riccard, John Doyle, $4.50 per 100.

Jean Viaud, Mme. Charrotte, $5.00 per 100.

Pasteur, $8.00 per 100.

Le Soliel, $10.00 per 100.

THE COTTAGE GARDENS,

QUEENS, L. I.

Please mention the American Florist when writing

PALMS.

HOME-GROWN, FINE, CLEAN STOCK; GROWN COOL.

Write for Price List. **J. B. HEISS,**

The Exotic Nurseries, **DAYTON, OHIO.**

Please mention the American Florist when writing.

GERANIUMS ready for immediate delivery.

GERANIUMS—Dbl. Grant, Alphonse Riccard, Mme. Thibaut, Mme. Jaulin, Gloire de France, Frances Perkins, Beaute Poitevine, La Favorite, S. A. Nutt, etc., strong well grown plants from 2½-in. pots, labeled, $3.00 per 100; $25.00 per 1000. Mixed, my selection, $2.00 per 100; $18.00 per 1000. Extra strong plants from 3-in. pots, in bud and bloom, $4.00 per 100; $35.00 per 1000. From 3½-in. pots, $6.00 per 100; $50.00 per 1000.

CANNAS (Dormant roots), 2 to 3 eyes, strong tubers, Florence Vaughan, Queen Charlotte, Chas. Henderson, $2.00 per 100; $15.00 per 1000. Started from sandbed, $2.50 per 100; $20.00 per 1000.

Cyclamen Persicum Splendens Giganteum Finest strain in the world, in four true colors, now ready, transplanted from flats, 3 to 4 leaves, fine plants, $3.00 per 100; $25.00 per 1000.

Begonia Rex In good mixture only, from 2½-in. pots, $4.00 per 100.

PAUL MADER, East Stroudsburg, Pa.

Splendid Stock

VERBENAS	$2.00 per	100
VERBENA CUTTINGS	5.00 per	1000
COLEUS	2.00 per	100
COLEUS CUTTINGS	6 00 per	1000
GERANIUMS, fine sorts	3.00 per	100
PANSIES, grand strain	2.00 per	100
CENTAUREAS	2.50 per	100
STOCKS, white	2.00 per	100

SEND FOR LIST.

W. L. SMITH, AURORA, ILL.

JOSEPH HEACOCK,

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1500	2-in., in crate,	$4.88	120	7-in., in crate,	$4.20
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1000	3 "	5.00	48	10 "	4.80
800	3½ "	5.80	24	11 "	3.60
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BIG NURSERY A HIVE OF INDUSTRY AT THIS SEASON. — GREENHOUSE DEPARTMENT SHOWS BIG STOCK.—MANY BRANCHES OF THIS WONDERFUL BUSINESS.

A visit to the Storrs & Harrison Company is at all times interesting but most so at this season of the year, when spring shipping is in progress. The various departments are veritable hives of industry. Hundreds of men, women and boys are employed in one way or another. A look through their houses shows the plants for spring sales to be in superb condition. The endless variety that goes to make up a plant catalogue list would well nigh bewilder one. There are houses filled with geraniums, some with fuchsias, others with begonias and so on down the list, the majority of the plants being grown in 2-inch pots. A house well worthy of a good look was one filled with 44,000 Crimson Ramblers in 2-inch pots, summer struck cuttings, kept in a semi-dormant state through the winter and allowed to come along gradually with the spring. These are for planting out for own root stock, for those who prefer this kind to the grafted article.

The stock of palms, ficuses and dracænas is looking well, but according to Robert George the demand for palms has slacked up somewhat. Several houses of hybrid roses in pots are being forced for cuttings. One crop of 100,000 has been taken off and rooted. Hybrids are much easier to root at this season of the year than in summer. A glance into one of the propagating houses proved this fact conclusively. A bench with over 50,000 were ready for potting without the sign of a yellow leaf. Mr. George says the loss is not over two per cent.

A look through the cold-storage plant is interesting and makes one wonder where such an immense number of trees and shrubs go to. Hundreds of thousands are stored away for spring delivery; 400,000 feet of lumber is consumed in the manufacture of packing cases for shipping purposes. All the boxes and packing cases are made by their own carpenters on the place. In another room a number of men and boys are employed in grafting fruit trees, and the rapidity with which this work is performed was a revelation. Off in one corner of this room two harness makers are busy making new harnesses and repairing old ones, this work also being done by their own men. In the seed department everybody is busy weighing seed, filling bags and packing orders, perfect order prevailing throughout the entire establishment.

The business so far this season is in advance of last year, which was conceded to be the banner year. ECHO.

PHILLIPSBURG, PA.—Bloom & Schultz have opened a flower store at 39 South Main street.

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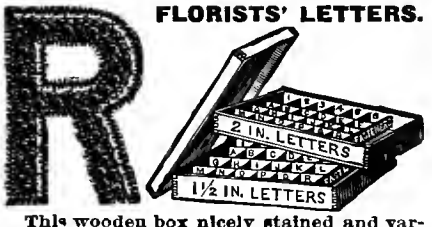

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The Rhode Island Horticultural Society is having quite a boom. The newly elected president, Prof. W. Whitman Bailey, is very popular and his lectures and talks are interesting a large number of people, such as any society might feel proud of, and its membership has materially increased. Dr Bailey is professor of botany at Brown University and has an extensive knowledge of the flora of the country and the world. At a recent meeting of the society he exhibited about 400 plates representing the flora of the Philippines and spent a pleasant hour in giving partial histories of the flowers represented in the collection. The society is now in a prosperous condition. It is entirely free from debt and by the generosity of a friend, lately deceased, it has an invested fund. It also has the distinction, since the death of the distinguished and venerable secretary of the Massachusetts Horticultural Society, of having the oldest secretary in point of age and continuous service of any like society in New England, C. W. Smith having served fourteen years and is now serving his fifteenth year. It also has a distinguished roll of members, embracing senators and representatives in congress, judges and governors, representatives of the legal, ministerial and medical fraternity, president of and professors in colleges, business men and teachers, together with some of the brightest florists in the state. The society has had an honorable career and has had great influence in cultivating the public taste for the beautiful in nature. It holds regular monthly meetings at which subjects in the line of horticulture are discussed, and also gives several exhibitions during the year. It is not so fortunate as the Massachusetts Horticultural Society or the Worcester County Society, in having a hall of its own, but it is striving for that end. W.

PETOSKEY, MICH.—S J. Long has opened a flower and candy store in the Cushman House annex.

MISSOULA, MONT.—The Missoula Nurseries, with over 50,000 feet of glass, are building two additional houses to meet the requirements of a steadily increasing business.

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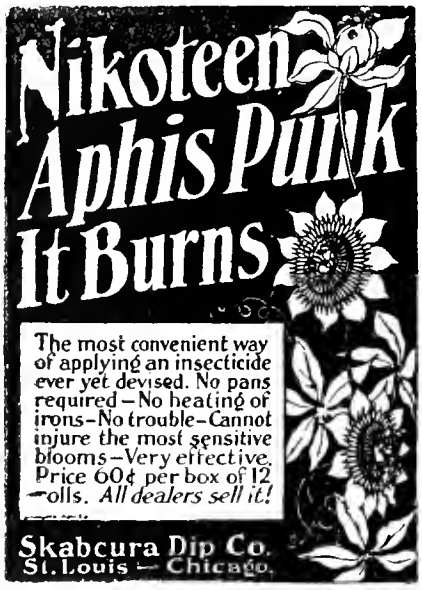

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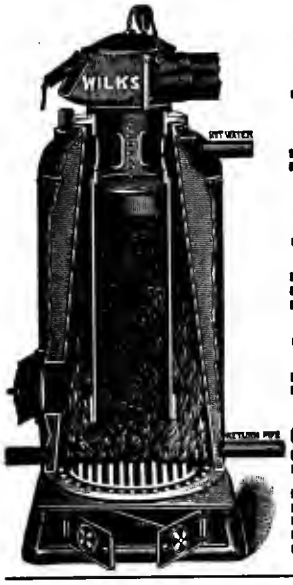

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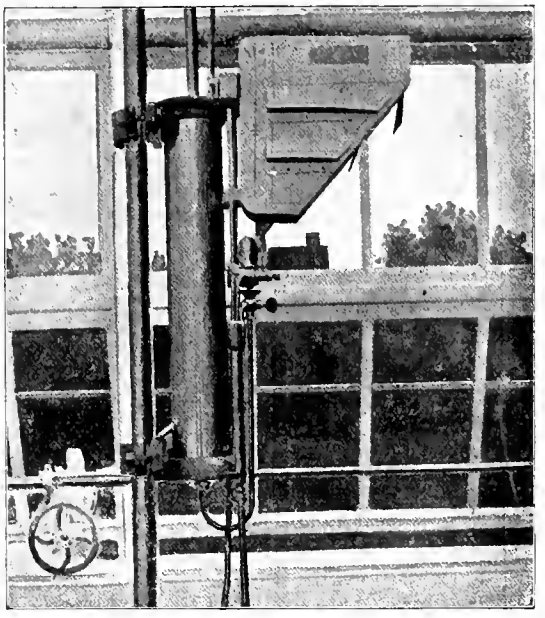

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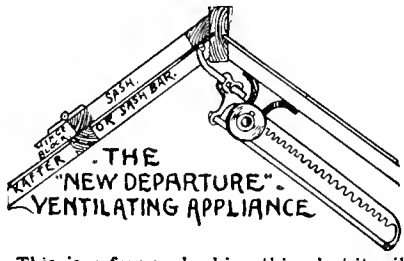
NEWPORT, VT.—John Farrant has removed from Main street to a new location on Coventry street.

REIGELSVILLE, PA.—John S. Bloom has a fine lot of flowering stock for Easter and good spring material under way.

WAUKEGAN, ILL.—James Armstrong, who has charge of the Northwestern's greenhouses in this city, has a large stock of bedding plants for use on the station grounds during the season. Last year he employed thirty-two assistants during the planting season.



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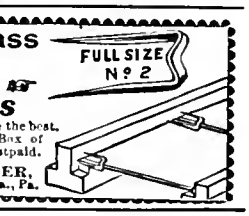

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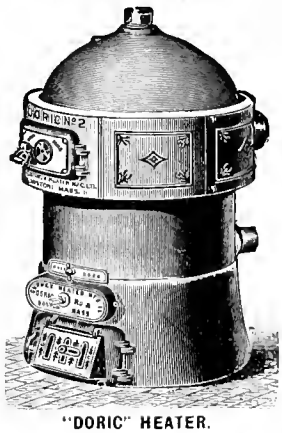

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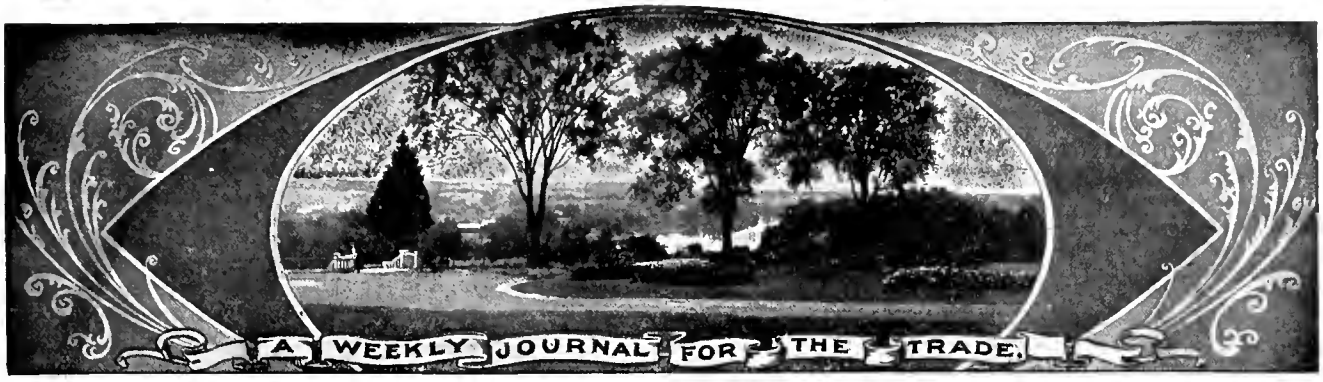

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XVIII. **CHICAGO AND NEW YORK, APRIL 5, 1902.** **No. 722.**

THE AMERICAN FLORIST

SEVENTEENTH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—JOHN BURTON, Philadelphia, Pa., presiden J. W. C. DEAKE, Asheville, N. C., vice-president, WM. J. STEWART, 79 Milk Street, Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The eighteenth annual meeting will be held at Asheville, N. C., August, 19-22, 1902.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Brooklyn, N. Y., February, 1903. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Asheville, N. C., August, 1902. Edwin Lonsdale, Chestnut Hill, Pa., Sec'y.

AMERICAN ROSE SOCIETY.

LEONARD BARRON, 136 Liberty St., New York, secretary.

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The Easter Trade.

A CAREFUL estimate of the business over the whole country would put the increase in Easter sales at twenty per cent above last year, although bad weather was a deterrent in many places. It is noticeable that the few shortages were purely local. There was enough stock in the country at large, both cut flowers and blooming plants. The prosperous condition of the people afforded the opportunity for slightly increased prices as compared with recent Easters, but that there is a sharply defined price line above which trade ceases to be active was again clearly demonstrated, particularly by the experience with lilies.

As to blooming plants, more were sold than ever before, lilies leading as of old, but azaleas were well cleaned up, although the supply was very heavy. Medium priced plants were most salable; only in large cities did the big specimens move well. But in the cities and the provinces, alike, bulbous material was slow until it became a case of Hobson's choice.

Violets were in excellent favor but it was the carnation which was most called for; the lily does best with the pot. The Beauty was the leader, but there were enough roses for all, if not locally, in wholesale markets, also practically every other item.

It is worthy of note that those storekeepers who are in step with the times found a nice profit in the use of baskets, pot coverings and other accessories. A number of Easter reports are presented herewith:

BRATTLEBORO, VT.—C. E. Allen says the Easter business was very satisfactory, with large supplies well cleaned up.

DUBUQUE, IA.—W. A. Harkett reports Easter a little ahead of last year, with increased call for medium priced flowering plants.

ROCKFORD, ILL.—Easter was about as last year, with enough cut flowers, also enough plants except lilies. Everything sold well, says C. W. Johnson.

NEW ALBANY, IND.—Easter trade was the best on record; everything sold out clean by Saturday night. A. Rasmussen says prices were better than last year.

BRIDGEPORT, CONN.—There were plenty of flowering plants, plenty of violets and roses but a shortage in pinks. Horans estimate the increase in business at forty per cent.

YORK, PA.—Jacob Reeser says that the value of Easter sales was a little ahead of last year, and so were prices, but he could have done much more had he had the stock.

WATERVILLE, ME.—H. R. Mitchell says there was enough stock in all lines and a good percentage of increase. The greatest demand was for lilies and less call for other potted plants.

DIXON, ILL.—O. L. Baird says Easter made a new record even though there were no lilies. All flowering plants were cleaned up and all good cut flowers, including bulbous stock.

PARKERSBURG, W. VA.—The Easter plant sales broke all records and cut flowers were not behind. Gus Obermeyer found lilies most salable. All stock was well cleaned out.

EVANSVILLE, IND.—There was a little shortage on roses and carnations, all cut flowers being cleaned up. Primulas and cinerarias are reported the least salable plants by J. H. Wade & Co.

HAMILTON, ONT.—E. G. Brown says the business was about as usual. There was a shortage in all lines of cut flowers, but enough plants except lilies. Bulbous stock was the last to move.

JACKSON, MISS.—W. J. Brown finds cut flower trade on the increase; it was thirty per cent ahead of last Easter. Supplies have to come from Chicago. Roses and carnations are the best sellers.

LINCOLN, ILL.—W. H. Gullett & Sons say Easter trade was ten per cent ahead of last year, with plenty of everything. Lilies and pans of Dutch bulbs were most salable, carnations being the popular cut flower.

GRAND ISLAND, NEB.—Supply was large but demand about cleaned it up and Brewster & Williams report ten per cent increase in sales. Carnations led the selling, bulbous stock hanging fire.

NEW BRIGHTON, PA.—August Meyer says his Easter trade was fifty per cent heavier than a year ago He sold out on all blooming plants and on all cut flowers without fully satisfying the demand.

UTICA, N. Y.—Wm. Mathews says that poor stock was not wanted but that good bulbous material sold well and the only shortage was on carnations. Business increased about fifteen per cent.

CONCORD, N. H.—M. M. Colby says trade was from five to ten per cent heavier than last year, prices about as usual. White azaleas short. Cut flowers a little under demand. Lilies most called for.

CHATTANOOGA, TENN. — Carnations were rather more in demand than anything else. Mrs. J. W. Crouch says there were enough plants but not enough cut flowers. Trade was fully forty per cent ahead of last year.

LIBERTY, MO.—Paul Stark says Easter trade was the best on record. What it would have been had the weather not been cold and stormy, it is hard to tell. Everything sold well except hyacinths, of which many are left.

GRAND RAPIDS, MICH. — Crabb & Hunter say abundant supplies permitted a twenty-five per cent increase without big prices. There was some bulbous stock and a few azaleas left. Beauties were the only shortage.

LANCASTER, PA. — Easter business increased ten per cent, largely accounted for by better prices. There was a shortage of stock all around. The best selling item was last year's carnation novelties, according to Albert M. Herr.

TOPEKA, KANS.—James Hayes found Easter about as last year. Lilies were the shortage in plants, although spiræas and cinerarias also sold briskly. Carnations were the cut flower shortage. Bulbous stock was almost a dead loss.

BLOOMINGTON, ILL.—J. D. Robinson says stock was better in quality than last year, with enough of both cut flowers and plants. Trade showed little increase. Lilies headed plant sales and carnations were the popular cut flower.

PITTSFIELD, MASS.—John White says all good stock was disposed of readily, but poor material was left over, there being sufficient of everything except pot lilies, and carnations and violets, to do a business twenty-five per cent larger than a year ago.

QUINCY, ILL.—Gentemann Brothers say this city never experienced such demand for cut flowers and potted plants at Easter. Everything sold out at better prices than usual. The aggregate of sales was at least twenty per cent ahead of last year.

NEW LONDON, CONN. — There was enough stock in all departments and H. H. Appledorn estimates the increase at twenty-five per cent. There was a big call for lilies, and hyacinths in pots came next. Violets and carnations were the cut flowers wanted.

MEMPHIS, TENN.—The Easter business here was about as last year, although better prices prevailed Lilies were the only shortage, both as cut flowers and plants. Crimson Ramblers and hydrangeas sold well, also tulips in pans, but spiræas were not salable. In cut flowers, tulips and daffodils moved slowest. The Memphis Floral Company ascribes the lack of increase in business to the bad weather which prevailed during the whole week, the trade coming the last two days.

VIEW IN THE STORE OF E. WIENHOEBER, CHICAGO.

OMAHA, NEB.—Easter trade was good and on Saturday nearly all plants and cut flowers were cleaned up, but Sunday was disagreeable and little doing. S. B. Stewart estimates the increase as ten per cent, with prices a little higher than usual. There were about enough cut flowers, but more blooming plants might have been sold to advantage.

MITCHELL, S. D.—E. C. Newbury says that disagreeable weather kept trade down to about the level of last year; otherwise it would have been a record-breaker. There was enough stock in all lines, with good demand for blooming plants and none at all for palms and ferns. Lilies, carnations and roses were wanted, with no call for bulbous stock.

PROVIDENCE, R. I.—W. E. Chappell notes many deterrent factors, including bad weather and all sorts of stores handling plants at low prices, but results were a little ahead of last year. Cut flowers were plentiful, but more plants could have been moved.

LAWRENCE, MASS.—Sales were fifty per cent ahead of last year, with prices a little better. There were enough cut flowers but a shortage on flowering plants. Azaleas were wanted but bulbous stock sold slowly except lily plants. Pinks and violets went well.

DAVENPORT, IA.—There were enough cut flowers for Easter and enough of all plants except azaleas and Harrisii, of which a few more could have been used. Everything sold briskly and John T. Temple thinks the increase for the week about ten per cent over last year.

SAVANNAH, ILL.—J. Y. Lambert says Easter business was fully two-fifths greater than last year, mostly on cut flowers. White carnations and callas were the best sellers. Lilies were an aggravation, at least those bought in wholesale markets, poor and high priced.

MONTGOMERY, ALA.—W. B. Paterson says trade is steadily increasing; it was fifty per cent ahead of last year, with enough plants and a shortage of cut flowers. Azaleas were least called for and in cut flowers bulbous stock was little wanted, carnations most in demand.

ERIE, PA.—Easter of 1902 was the best we have ever had. Everyone cleaned out everything that was salable. S. Alfred Baur represents the increase to be twenty-five per cent. Supplies were ample, but well cleaned up. Azaleas and lilies took the lead in plants and all cut flowers sold well.

NASHVILLE, TENN. — Geny Brothers report an increase of thirty-five per cent, with large supplies in all lines, but everything well cleaned up. In plants, azaleas and lilies were wanted, in cut flowers, roses, carnations and violets, with bulbous stock doing fairly well, both in pots and cut.

PEORIA, ILL.—J. C. Murray says Easter business increases each year and this time it was nearly all spot cash, with better prices, especially on cut flowers. There was a shortage of lilies and all cut flowers sold out clean. All kinds of plants moved well, but bulbous stock was slow to move.

CAMDEN, N. J.—There was a good increase in the Easter business, C. W. Turnley estimating it at one-third. There were enough cut flowers, although all sold well, and enough plants with most dealers. Flowering material all sold briskly but decorative stock was not wanted.

PORTLAND, ME.—J. A. Dirwanger takes a pessimistic view of the situation. He thinks trade fell off fifteen per cent and says that there was enough stock left over to supply such another Easter demand. Even lilies were over-stocked. He gives no explanation for this unexampled state of affairs.

ST. PAUL, MINN.—Christ Hansen says Easter prices were rather better than a year ago and trade increased ten per cent. He says there were ample supplies of plants, except lilies, and enough roses, but not enough carnations. Lilies were most in demand among plants, but everything moved off well.

A GROUP OF EASTER PLANTS IN THE STORE OF ERNST WIENHOEBER, CHICAGO.

GALESBURG, ILL.—Easter trade was very satisfactory, certainly larger than last year and probably heavier than ever before. There were ample stocks of cut material, all home grown. Lilies were the only shortage among pot plants and I. L. Pillsbury says there were roses and carnations left unsold.

LINCOLN, NEB.—Trade was excellent, possibly ten per cent ahead of a year ago. There were enough plants, except lilies, and enough cut flowers, except carnations. Everything sold out clean, daffodils and spiræas being the only items which dragged. Delivery was difficult because of high winds.

FALL RIVER, MASS.—Easter was about as last year. C. Warburton says lilies in pots were short of the demand, but that other bulbous plants were in over-supply. Supplies of cut flowers were about right. Lilies and azaleas lead the call for plants, and violets, lilies, roses and pinks were preferred of cut flowers.

AURORA, ILL.—J. M. Smely says that more new faces were seen than at any previous holiday, people who bought their first flowers, and the old customers paid more cheerfully. The increase in sales was about fifteen per cent. The only shortage of plants was on lilies, which were greatly in demand, with azaleas next. Of cheaper plants, hyacinths and double tulips lead. Carnations and roses were short of the requirements. Cut tulips could not be moved.

JACKSONVILLE, ILL.—Jos. Heinl says that trade was one-fifth heavier than a year ago, with enough plants for the demand and some cut flowers to ship to the wholesale markets. Lilies and cinerarias were most in demand among plants, and roses, lilies, violets and carnations among cut flowers.

ST. JOSEPH, MO.—L. J. Stuppy says bulb pans, azaleas and plant baskets sold best. In general stock was enough to meet demands in both plants and cut flowers, violets and Beauties being about the only shortage. All good lilies sold, but the cripples were left. Trade increased considerably, probably thirty-five per cent.

NEW HAVEN, CONN. — The Robert Veitch Company notices an increased demand for genistas, crocuses in pans, white and blush hyacinths and everything in white or light colors. Bright-colored material sold slowly. There was an over-supply of roses. Sales increased about one-fifth, but prices were lower, if anything.

OLEAN, N. Y.—Easter was about as usual, with no increase in prices, enough of all plants and more cut flowers than the trade demanded. Mrs. F. H. Johnson says that five florists are too many for so small a city, that one would do nicely and two could take care of all the business, but that with five there is too much price cutting in the scramble for trade.

NASHUA, N. H.—August Gaedeke says the weather was all that could be desired and business all that could be attended to. The increase was thirty per cent, with about enough stock to go the rounds, both plants and cut flowers. Genistas would not move, lilies, Ramblers and azaleas wanted. Cut bulbous stock went slowly.

TORONTO, ONT.—J. H. Dunlop says the supply of plants was the best in years but the increase in trade used up most of them. There was an over-supply of bulbous stock but a few nicely arranged hampers of red tulips sold well. Pot lilies were the best sellers. Hyacinths in any form were not wanted. Trade increased ten per cent.

PONTIAC, ILL.—W. J. Miller says that last year he sold 600 carnation blooms at Easter and this year 1,200, but that does not fairly represent the business, for the general increase was not more than fifty per cent, with prices probably ten per cent higher than last year. There was enough of everything except lilies, both cut and in pots.

HARRISBURG, PA. — G. Hanson says business increased twenty to twenty-five per cent, with prices a little better than last year, although there were enough cut flowers and some plants left over all around. Hyacinths and azaleas sold best of plants, tulips and lilies being in least demand. Violets were wanted, but carnations and roses went slow.

ELMIRA, N. Y.—Easter prices were a little better than a year ago and H. N. Hoffman says sales aggregated twenty per cent more. There was enough of everything in the plant line, also cut flowers, except violets, which were most in demand, roses being least salable. Hyacinths in pots were in especial demand, but all good plants sold.

LITTLE ROCK, ARK.—Trade was about as last year, with a shortage of cut flowers and enough blooming plants except lilies and azaleas, although everything well in flower sold. Carnations hung fire because too high priced. Most of them came from Chicago and Tipton & Hurst say that they had some Cranes billed at 8 cents which were asleep when received.

WICHITA, KAN.—Bad weather cut into the business, but W. H. Culp says the different florists report increases of from ten to thirty per cent. In general there were enough cut flowers, but they sold out clean and plants were plentiful except lilies, which were, therefore, higher. Bulbous stock had to be worked off in assortments and there was no call for palms and ferns.

KOKOMO, IND.—W. W. Coles says trade is growing better every year. There is always a good demand for first-class stock and at fair prices. This year sales increased twenty per cent, with no better prices except on carnations. There were enough cut flowers, but not enough blooming plants. Easter lilies were most in demand, with roses and carnations leading the cut flowers.

DENVER, COL.—The Park Floral Company says that Friday's snow storm interfered with trade, but that Easter business increased ten per cent over last year. There were ample supplies of blooming plants and enough cut flowers except Beauties. High grade roses and carnations were in heavy demand, but bulbous stock sold slowly. Azaleas and lilacs were the most popular plants.

BIRMINGHAM, ALA.—There were enough plants for the Easter demand except good lilies, but on cut flowers the supply was very short. Most of the dealers here rely on Chicago for their cut flowers and the floods in Tennessee delayed shipments due to arrive here Saturday and Sunday, until Monday morning. Probably $600 to $700 represents the amount of stock which came too late. Lindsay has the best local supply, cutting over 1,500 carnations and 800 roses for the Easter demand. Carnations lead and bulbous stock was least salable.

DES MOINES, IA.—Easter business was about as last year in dollars and cents, prices rather lower. There were plenty of fair lilies, good azaleas and Dutch hyacinths, with enough cut flowers for all demands. Everything sold well except baskets of assorted plants. There was no demand for lily of the valley or daffodils. W. L. Morris says better weather would have greatly improved the record.

FREDERICTON, N. B.—Weather was bad, but J. Bebbington & Son say trade increased at least twenty-five per cent. Qualities were better than usual and prices higher. There were enough plants, also enough cut flowers obtained from wholesale centers. The carnation seemed to be decidedly the most popular flower, but lilies were required for church decoration. Some good tubs of Deutzia gracilis sold well.

HARTFORD, CONN.—Fine weather early in the week made trade lively, but rain made delivery difficult. This is the way Geo. S. Osborne sums up the business: Increase in sales, forty per cent; prices on cut flowers much better, plants same as last year; lilies short, azaleas and lilacs about equal to demand; roses and carnations short, violets equal to demand, bulbous stock too plentiful; lilies and carnations the favorites.

DAYTON, O.—Easter brought nearly one-third increase over last year's business. Choice material sold at an advance of from twenty to thirty per cent. Supplies were just about equal to the demand, everything being well cleaned up, both plants and cut flowers. Lilies were about the only shortage. Fancy carnations and violets were most called for. J. B. Heiss says there was more pickled stock in evidence than usual and it sold very low.

FREMONT, NEB.—People seemed to want quality. Price was not so much considered as usual. Transient over-the-counter trade was the best ever known at Easter. Fine weather provided all the stock necessary and C. H. Green thinks business increased twenty-five per cent. Lilies were about one-third higher than usual and sold well, as did callas and Dutch hyacinths, also rubbers, Boston ferns and palms. In cut flowers fancy carnations were the strong leader.

DETROIT, MICH.—J. Breitmeyer's Sons say that trade was somewhat better than a year ago, with adequate supplies of everything and a surplus of bulbous stock. They found lilies, azaleas and hyacinths most salable among plants. They note an increase each year in the call for planted baskets and flowering plants, to the detriment of all cut stock except violets and lilies, the call for which seems to increase. Their violet sales this year ran 75,000.

New York.

STORY OF THE EASTER TRADE—VOLUME OF BUSINESS EXCEEDS ALL RECORDS—PLANT SALES TAKE THE LEAD.—GOOD BLOOMING STOCK SHOWN EVERYWHERE.—GREAT QUANTITIES MOVED BUT SOME LEFT UNSOLD.—ALL ABOUT THE STOCK AND ITS USES.

It is gratifying to be able to record the Easter trade for 1902 as by far the greatest in New York's history. And yet, so extensive were the preparations made for it that Monday morning found the city dealers with a considerable amount of unsold stock on hand. There does not appear to have been any shortage in any staple lines, the main embarrassment in filling all orders and calls literally being the difficulty to secure enough messengers and teams when wanted. Undoubtedly the rain storm which set in on Friday afternoon and continued until Saturday noon affected seriously the aggregate of business done and had the beautiful weather of the days preceding and which prevailed Saturday evening and Sunday been uninterrupted, the amount of material left unsold would have been considerably reduced. It was a most disheartening prospect when Saturday morning broke with the dismal sound of the east wind beating the rain against the windows and nothing more welcome ever happened than when the sunlight broke through the clouds in the early afternoon and released the much needed shoppers.

ED. AM. FLORIST:—The accompanying illustration was clipped from the Philadelphia *Record* of March 25, and is such a faithful reproduction of a familiar scene in Philadelphia at this season that I could not refrain from sending it to you. It tells its own story of fakirs and cheap flowers. The writer has seen hundreds of just such characters lined along the curbstones on Market street, and their rivalry is both intense and amusing. OLIVER D. SCHOCK.

EASTER VIEW IN THE STORE OF J. H. SMALL & SONS, NEW YORK.

This perversity in the conduct of the weather was much more serious in its effects on the cut flower trade than upon the plant traffic. The latter is now well intrenched as the main factor in the Easter business, the demand for flowers being comparatively insignificant. As for the fancy plant growers, their worries had come to a close with the delivery of the stock during the early days of the week and the conditions of the situation in the city gave them little concern. The small plant growers, however, suffered an unwelcome set-back and although they showed up bravely with their little forests of geraniums at the Canal street market in the splashing rain, long before daylight broke on Saturday morning, the fates were against them and their Easter Saturday, from which so much was expected, passed into history as a rank disappointment. Not much less was the case at the Thirty-fourth street flower market. Saturday morning should have been a big event here. The flowers showed up in abundance but buyers were almost as scarce as teeth in a hen's mouth.

On this page there appears a view in one of the leading Broadway establishments. This is from a photograph made on Friday afternoon and furnishes an adequate idea of what the interior of a New York store looked like when ready for the Easter business of 1902. From the highest to the lowest, in the Broadway palace and the squalid cellar or "hole-in-the-wall" alike, it was plants, plants on all sides. In all places of any pretension it was impossible to house the stock secured and each had one or more "annexes" in neighboring vacant stores where material was stored and cared for, either before or after selling.

There is little to be said other than praise as regards the quality of the plant stock furnished. Some azaleas were in evidence that were too precocious and showed by their shedding bloom that they had seen better days. Crimson Ramblers, although some growers had them fine, were on an average inferior in quality and quantity of inflorescence; but in general it may truthfully be said that the great bulk of the plant material was ahead of that of past years and the decreased use of artificial adornment and the almost entire absence of tissue paper accessories may be credited in part to the fact that there were fewer imperfections to be covered up.

Azaleas held, as heretofore, a leading place. They were very fine and it was particularly pleasing to see a good proportion of the freely-branched specimens which are so much more beautiful than the squatty, flat-topped style which our Dutch supply men take so much pride in furnishing. As to varieties there was the usual assortment, special mention here being called for only as regards the handsome pink Haerensiana, which was introduced last year and which is now proven to be without a rival in its class. Lilies were better on the average, than we had reason to expect and it also transpired that there were enough of them, although at the middle of the week there was a disposition to stiffen up prices all along the line in anticipation of a famine at the finish.

The product of the bulb forcers was conspicuously good, hyacinths, daffodils and lily of the valley leading and the potted violets were also uniformly excellent, although unfortunately no one has yet discovered a way to retain the sweetness in the flowers on a violet plant after being twenty-four hours in a flower store and the odor from a window full of stale specimens will extend for a block in every direction. Lady Hume Campbell is the variety universally grown for Easter potting.

There was the usual number of genistas, lilacs, hydrangeas, rhododendrons, acacias, hybrid roses and other well-known Easter favorites, but their sale altogether would not equal in amount that of either lilies or azaleas. Bougainvillea, when seen in large specimens, was very showy and effective in store decoration but met rather scanty favor with the general buyer. Boronias, so extensively grown a few years since, were rarely seen.

The use of fancy baskets and hampers filled with assorted plants showed no diminution in the establishments patronized by wealthy buyers and many of the combinations in these affairs were beautiful examples of taste in color effects. This was the way in which many of the pretty ericas and epacrises were disposed of. Combined with lily of the valley

orchids, Adiantum Farleyense, and such choice material, they appealed to everyone. Occasionally a cluster of cut Lawson carnations or cattleyas was introduced among the planted material but there was very little of this done.

Among the new aspirants for favor as Easter plants were seen Japanese cherries, cape jasmines, leptospermum and Schizanthus Weistoniensis. The latter is a very profuse-flowering little plant and as made up in masses in hampers at The Rosary met with much favor, its delicately-shaded white, pink and lavender blooms being exceedingly pretty and having also good keeping qualities. The leptospermum bears an abundance of white, five-petaled flowers among a myrtle-like, dark green foliage and makes up very attractively in assorted baskets. Porto Rican matting in various colors was extensively used as a covering for flower pots and in addition to the grades of ribbon generally in use a wide-meshed fish net material served effectively as a tying material.

As to the Easter cut flower trade, a very few words will suffice. There is but little left now of what was once a large and profitable business. The flower growers industriously held back their cut for a week, allowing but little to come in for several days except the stock that could not be safely retained any longer. The wholesalers put on extra help and kept open most of Friday night and all of Saturday night but the only wholesalers who found plenty to do were those who handled flowering plants—and there were several of these. A fair amount of shipping was done on Thursday and Friday. Saturday morning opened with enough American Beauties in stock from the previous day to supply a big Easter demand and mountains of everything else. On top of all this, van loads were arriving in the rain and the stock kept piling up while the retailers paid no attention whatever to the subject excepting to countermand or cut down the few advance orders they had previously given. The Greeks were welcome buyers under such conditions and carried off the Beauties by thousands but had little use for the other roses unless paid, almost, to take them out of the way. There were thousands upon thousands of Bridesmaids arriving at every wholesale establishment that had evidently not seen the light for a number of days, in all stages of bleachedness; carnations that folded their petals and went to slumber after being exposed an hour to the air, and many whose bursted calyxes told the story of the forcing they had been subjected to in order to "get them in for Easter;" violets and bulbous stock in equal profusion. Word came in from many of the violet growers increasing heavily the estimate of their afternoon shipments. With few orders and no indication of a cessation of the storm, persistent efforts were made to unload and no offer was refused. With the welcome change in the weather at noon hope began to strengthen but the only line that rallied was the violets. They came in actually by hundreds of thousands but the buyers had a capacity for them all and they sold at fair prices, proportioned to their quality. Such a display of violets was never before seen on Broadway as were worn by the ladies in the great Easter Sunday promenade on Fifth avenue. Some wore bunches of 200 or 250 at their belts. Not one carnation, not more than a few dozen roses, were seen in similar use in the course of a two hours' saunter up and down the crowded avenue. Monday morning found the wholesale houses encumbered with roses enough, held over, to accommodate a big day's business and the wholesalers themselves weary of limb and blue as indigo, while the refrigerators in the retail stores were well filled with the flowers left unsold. Lilies cleaned up fairly well all around.

A. Rolker & Sons are moving into a new store at 31 Barclay street, one flight above Suzuki & Iida.

J. Blaauw, of Boskoop, Holland, arrived on the steamer Rotterdam, Monday, March 31.

Vaughan's Seed Store reports a good run of down-town trade in Easter flowering plants.

Visitors: A. E. Fancher, Binghamton; Sam. Goldring, Albany; R. E. Loeben, Gloversville; Carl. Jurgens, Jr., Newport, R. I; A. N. Pierson, Cromwell, Conn.

Chicago.

DETAILS OF THE EASTER BUSINESS.—AGGREGATE SOMEWHAT AHEAD OF LAST YEAR.—ROSES THE ONLY SHORT ITEM.—LILIES PROVE MORE THAN EQUAL TO DEMANDS.—PRICE TOO HIGH.—RETAILERS DO MOST BUSINESS WITH PLANTS—FORTUITOUS CIRCUMSTANCES BRING LOSS TO SEVERAL HOUSES.

In the opinion of those who make a conservative estimate of the Easter business the wholesale cut flower trade in this market increased ten to fifteen per cent, possibly a little more, over last year. There was a tremendous shipping demand and supplies in general were the largest in the history of the market. The height of the shipping period developed only one considerable shortage, that being on tea roses, on which a number of houses were compelled to cut their orders severely. The demand for choice stock cleaned up all the good roses without difficulty, but at noon Sunday there were quantities of low grade Meteors on hand. On medium length Beauties there was a shortage, but of extra long stemmed stock supplies were large; however, they cleaned up pretty well. The looked-for scarcity of Easter lilies failed to develop, the close of business Saturday night finding several thousands still unsold in the market. This experience again demonstrates the folly of putting prices up to the point which deters the placing of early orders. The average out-of-town buyer, who has been procuring his lilies in past seasons at from 10 cents to 15 cents, could not use large quantities at from 18 cents to 20 cents and ordered very conservatively, with the result that a supply very much under that of last year proved more than ample to meet all requirements. The stock averaged fairly well in quality, although the stalks were not long. Carnations were in splendid shape, with the result that buying was heavy on this item and the receipts were cleaned up in excellent shape, when one considers that the cut was phenomenally large. Violets were in heavy supply and those of good quality were well cleaned up, but the lower grades dragged somewhat and there was some loss in this item because of the unfavorable weather Sunday morning. The one thing which fared badly was bulbous material. The receipts probably totaled more than ever before in the history of this market and buying was not much heavier than usual, with the result that when the business approached a close there was scarcely a house in town which did not see the necessity of forcing sales on tulips and daffodils. Even callas shared in this undesirable state of affairs and valley is still a drug. In general, however, the wholesalers are well satisfied with the results for the season. There was little pickled stock. The retail trade was large, but there are varying reports. Most of the storekeepers had stocked up heavily with blooming plants and in several cases they found themselves with more than they could move to advantage. The result was that they sought to push this branch of the business to the exclusion of cut flowers, for which they had not placed many advance orders. The result was that it somewhat reduced the local buying in the wholesale market, bringing a measure of disappointment to those who had looked for something big from the city trade. The leading retailers report active sales on most lines of blooming plants, with lilies and azaleas in the lead. The smaller dealers did a big business with tulips, daffodils and hyacinths in pots. Sunday morning's storm cut down the business usually done with Easter church goers.

After the Easter rush there was a period of quiet reaching well up to the middle of the week. The last few days have been fairly active again. The oversupply of bulbous stock has been reduced somewhat and roses are still in active demand. Carnations are moving well, but there are very large receipts and all requirements can be met if needs are made known sufficiently early in the day. The Beauty cut is heavy with several of the big growers, but it is still averaging mostly long and prices are not high on this grade. There is a marked shortening up in the available supply of smilax and those who need it for spring weddings are having to hustle, but C. A. Samuelson says that he is not looking for much locally in the way of April weddings. The society reporters on the leading morning papers tell him that not for many years have there been so few spring weddings on their lists of coming events.

On the Friday before Easter, Reinberg & Weiland delivered four cases of roses and carnations to the Adams Express Company at New Castle, Ind., and at about the same time the South Park Floral Company delivered twelve cases, containing 3,100 roses, many of them long Beauties, consigned to E. C. Amling. The stock should have reached Chicago early Saturday morning but the agent failed to put it on the train and it lay in the depot all night, reaching its destination after the Easter business was practically over. There has been considerable complaint that the express company does not give satisfactory service at New Castle and this transaction means a loss to the company which will probably be large enough to wake it up to the necessities of the situation.

The worst mishap connected with the Easter trade was one in which several of the shipping houses in this market had a share. All the stock sent out on Friday destined for Birmingham and other points in northern Alabama and Tennessee was caught in the floods which interrupted railway transportation on the L. & N. through the mountains of Tennessee, and failed to reach its destination until Monday morning. It is probable that the stock detained aggregated somewhere in the vicinity of $1,000 and it is a loss which is attributable to no one's negligence. Stock shipped Thursday went through all right.

The Florists' Club is making every preparation for the success of the annual ball at the Masonic Temple next Tuesday evening. An excellent programme has

been prepared, including, besides the terpischorean features, specialties by the mandolin club, Harry Brown, Hugh Wood, Hoerschler Brothers, Wm. Mack and the Misses Enders, Lauf and Lund.

The Kennicott Brothers Company says that they never before handled anything like the number of violets which came to them for Easter. One of their growers, Eli Cross, of Grand Rapids, sent them 68,000 in one day and 173,000 in the four days before Easter.

There has been a fine display of Easter lilies at Lincoln Park this week, attracting many hundreds of visitors. Fifteen hundred bulbs were potted up last winter and the assistant head gardener, A. J. Smith, says he is fairly well pleased with the results.

The Chicago Carnation Company is making preparations to open a thoroughly up-to-date retail store at the corner of Twenty-sixth street and Indiana avenue.

Wietor Brothers have thrown out stock and are replanting roses in sixteen houses. This is another firm which will go largely into Liberty this year.

C. L. Washburn leaves to-day for North Carolina to join Mrs. Washburn, who is sojourning there for her health.

Peter Reinberg filled an order last week for 25,000 violets and one yesterday for 25,000 carnations and 10,000 roses.

Mrs. E. L. Horton, of Bassett & Washburn's, was taken ill during the Easter rush and is not yet on duty.

The George Wittbold Company has potted up ten tons of cycas stems.

Visitors: A. E. Lutey, Calumet, Mich.; W. A. Chalfant, Springfield, Mo.; Myer Heller, New Castle, Ind.

Boston.

EASTER BUSINESS SERIOUSLY INTERFERED WITH BY RAIN.— PLANT SALES HEAVY BUT ALL DEPARTMENTS SUFFER BY THE DOWNPOUR.—CUT FLOWER MARKET FULL TO REPLETION AND NOBODY STIRRING.

Boston's Easter was a big one. This statement is made with the full knowledge that had Saturday been a respectable day as to weather Easter would have been much more of a comfort to many who, anticipating a big run, had made preparations which did not take into account the perverseness of the weather in March. Never before have preparations been made on such a mammoth scale. The retailers were possessed of a wild desire to secure each a few acres of flowering plants in advance and the plant growers had no objection to accommodating them, the result being that the entire stock of available plant material was placed well in advance of the big event and the retail city stores were transformed into vast gardens of brilliant color, many vacant stores being utilized to make room for the display. The confidence of the dealers was not misplaced, as it transpired, and the only reason why some establishments found their stands still occupied with unsold plants after it was all over was, unquestionably, the weather of Saturday. It rained in sheets and gusts all day till evening and then it cleared up beautifully and Sunday was one of the most perfect days ever devoted to Easter festivity. As to the stock offered, the plants were of the usual sorts which have come to be regarded as appropriate and desirable for Easter business. There were lilies by the thousand, Crimson Ramblers, Lorraine begonias, lilacs, Japanese cherries, primulas, English and obconica; hydrangeas, acacias, genistas, heaths, pæonias, wistarias, rhododendrons, bulbous flowers, metrosideroses and most of all, azaleas in endless array and generally excellent grade. A word about the Crimson Ramblers: Most of those offered by the Boston growers were grown to bush form without any attempt at contortions in the form of crosses, baskets, peacocks, harps or other abominations and in the matter of color and size of truss, etc., were superb. Mr. Wirth, of the Hartford Park Department, who chanced to be in town, commenting upon their beauty, said that he had found the new rambler, Dorothy Perkins, to be a good running mate for its older relative and well worthy a place in the Easter list. He also said that Heuchera sanguinea would some time prove a welcome addition to the standard list of Easter forcing plants.

As to the cut flower end of the business the story might be different if it had not been for that same dose of weather. The wholesalers found the shipping trade excellent and the advance orders were gratifyingly heavy. But Saturday cast a gloom over the situation in more ways than one. Seeing the prospects, the frugal retailers recalled and cancelled their orders in many cases and 10 a. m. on Saturday saw the end of enthusiasm and the beginning of demoralization. To make matters worse the growers began to disgorge the accumulations of the week, which they had been storing up in the vain belief that the goods would be worth more on Saturday than on any other day of the week. Will they ever do it again? Oh, yes, they'll do it again annually for the next hundred years, probably. American Beauty was an omnipresent commodity and the high grade, long-stemmed stock was least called for. The medium stock had the preference on all sides. Other roses were abundant in all grades and had to be sold out at low values in the end. Carnations enjoyed a tremendous call, next in activity to the lilies, but there were more than enough for all. Violets were very successful, being in great demand up to Sunday noon. Bulbous stock had a varied experience. Lily of the valley of the cheaper grades was not salable, the best quality of fancy stock selling all right. Lilies sold well up to expectations. There was a scarcity of cut blooms which it was not possible to supply fully from the plants on hand because the latter bore a great many green buds which would have been sacrificed when sold in the cut state. On Monday morning the wholesalers were found to have a considerable quantity of cut flower stock left over, but under the circumstances they, as well as most of the retailers, expressed themselves well satisfied with their Easter experience.

M. A. Patten reminds us that his Gov. Wolcott, not Lorna, took first prize at the recent exhibition here. He says that Wolcott kept so good that it was not found necessary to replenish it during the four days, while Lorna and Marquis had gone quickly to sleep.

On Easter Saturday, Ed. Welch, of Welch Brothers, had the pleasure of seeing another twelve-pound son added to his numerous family. His friends have not forgotten to congratulate him early and often ever since.

On Saturday, March 29, Miss H. T. Goessmann, of Amherst, delivered a lecture at Horticultural Hall on "Some Famous Gardens."

Visitors: Chas. Loechner, A. Dimmock and J. H. McHutchison, New York.

Cleveland.

NOTABLE FEATURES OF THE EASTER BUSINESS.—WHOLESALE TRADE IN CUT FLOWERS INCREASES.—LOCALLY PLANTS HAVE THE BEST OF THE DEMAND.

Easter proved most remarkable in several respects; first for the general excellence of the stock; second, for the phenomenal amount of business done during the few hours of bright weather on Saturday afternoon; third for the unprecedented demand for violets. A cold, drizzling rain up to Saturday morning made the outlook dubious for good business, but fortunately toward noon it cleared off and the rush came, to continue until midnight, when everything salable was cleaned up. Azaleas took the lead, with Crimson Ramblers and lilies second. Hydrangeas, spiræas and genistas did not sell quite so well. Bulbous stock went fairly well, but there were quantities left unsold, principally white tulips; the colored ones sold best. While the out of town shipping trade in cut flowers exceeded that of former years fully thirty per cent, the local retail trade for same fell off twenty-five per cent, except on violets, the demand for which was phenomenal, the supply being entirely inadequate. Lilies retailed at from 25 cents to 30 cents per flower and bud, plants with from three to five flowers having the call. Azaleas from the $1.50 to $3 size sold best. Ramblers ranged in price from $1 to $10, very few being disposed of at the later figure. Clevelanders do not take kindly to high priced goods; medium grades sell best.

The J. M. Gasser Company had an elaborate ball decoration on Thursday at the Country Club, the table decoration being very unique. Eight of the tables had baskets for centerpieces, made of Porto Rican straw and filled with Crimson Rambler roses. On the handle of each was fastened a large bow of green ribbon. The remaining eight tables had similar baskets filled with pink pelargoniums. The ball room was festooned with southern smilax, with roses entwined, while palms and huge vases of American Beauties filled the corners. The whole effect was charming and reflects great credit upon the designer, Harry Jones, who is head decorator for the company.

The Euclid avenue florists all report good business. The J. M. Gasser Company had a splendid lot of lilies, azaleas, spiræas and exceptionally fine Ramblers which sold well. Smith & Fetters had a fine display of well grown plants which sold like hot cakes. James Eadie's two stores were crowded with buyers all Saturday afternoon and at 9 p. m. was sold out of everything. Farther out Euclid avenue Adam Graham & Son reported a rushing business, having sold out completely. Their stock of hybrid roses was the best ever seen in Cleveland, especially Magna Charta, which averaged twenty flowers to the plant.

On Saturday morning the Sheriff street market was a great sight. As prizes were offered by the management for the most meritorious display everybody put forth his best efforts and a truly grand showing was the result. Fred. Burger captured first prize. His display consisted chiefly of Crimson Ramblers and hybrid roses which were very fine. Jno. Mollenkopf was awarded second, the third prize going to G. M. Naumann.

The craft has good cause to be thankful Easter came when it did, as the weather since has been most disagreeable, nothing but snow, rain and wind.

ECHO.

THE AMERICAN FLORIST

SEVENTEENTH YEAR.

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A NOTEWORTHY feature of the Easter demand was the way violets sold throughout the country. It affords much encouragement to the producers.

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Grand Rapids, Mich.—Samuel Perry, vegetable house.

Galesburg, Ill.—I. L. Pillsbury, rose house.

Bradford, Pa.—G. R. Oliver, carnation house 32x125.

Amesbury, Mass.—D. W. Worthen, one house.

More About the Balduin Controversy.

ED. AM. FLORIST:—In your issue for March 29 is a letter from Edwin Lonsdale regarding the Rose Balduin. So much has been said on the matter that it seems like piling on the agony to continue the argument, but it seems to me that lately the contributions on the subject have drifted far away from the real crux of the situation. As it presents itself to me it is this: The Dingee & Conard Company purchased a rose under the name of Columbia from Myers & Samtman in 1899; they distributed that rose under a number through the medium of their *Success With Flowers* in 1900; in 1901 they offered it for sale under the name of Helen Gould. Myers & Samtman affirm that the Dingee & Conard Company were informed of the fact that a stock of the rose was in the hands of E. G. Asmus, and that statement I have not seen denied by the firm. It makes little difference to the people who bought the rose from the Dingee & Conard Company what was the source from which they got it; they had every right to look to them to protect their interests. More than a year had elapsed from the time they purchased the stock of the rose until they offered it as Helen Gould, yet nowhere in their correspondence as published have they made a statement that they took the precaution to protect their customers by investigating what had become of the other stock of the same rose which was in the country. If they had taken the slightest trouble, they could have found out, and it would have prevented them from issuing the rose under another name than the one which rightfully belonged to it. If they had stated in their catalogue that they purchased the rose from Myers & Samtman as "their new rose" under the name of Columbia, it would have enlightened a great many people in the trade who knew all about that rose. They charged a high price for the rose under the name of Helen Gould, while it could be bought in the country at $6 per hundred, under its proper name, Balduin. This phase of the case, it seems to me, is the one which really interests the trade at large and really interests the people who paid their money for the rose under the belief that they were buying a new one, and that belief was founded upon the published statement of the Dingee & Conard Company that the rose was a new variety. Anyone reading their advertisement would certainly believe that the variety was originated under their own eye and that they knew all about it, and yet, as ventilated, it is proven beyond dispute that such were not the facts in the case.

PATRICK O'MARA.

Philadelphia.

NO WORD OF COMPLAINT AS TO EASTER BUSINESS.—PLANT GROWERS SOLD OUT CLEAN AND LARGE CUT FLOWER RECEIPTS MOVED BRISKLY.—MEETING OF THE CLUB.—ANOTHER DISCUSSION ON PIPE.—SOME GOOD EXHIBITS.—PENNOCK MAKES DEPARTURE.

All the rosy predictions that had been made regarding the volume of business for the Easter season just past seem to have been verified, as in most cases it has been a clean sweep. Wm. K. Harris, one of the largest growers, was completely cleaned out, there not being a wagon-load of blooming stock left on the place on Saturday evening. With Craig & Son it was almost as complete a clean up; scarcely anything grown for Easter was left. When one considers the great amount of stock grown by these two firms the demand that used it up so quickly seems wonderful. From all the other large and smaller growers much the same report is received; all did well and none of them had enough good stock and managed to work off their seconds without trouble. There was nothing particularly new offered; all the standard plants were to be seen, most of them in good form. Notwithstanding the disease there was a good stock of very nice looking lilies which seemed to have taken on a new lease of life and surprised their owners with the way they came along the last two weeks. Those who were fortunate enough to have their lily plants ready and stored in a cool house for ten days before delivery sent in plants that gave the greatest satisfaction. Next to the lily the best sellers were the azaleas and Mme. Vander Cruyssen easily led in popular favor. Plants that retailed from $3 to $5, moved very quickly and there were very few for sale anywhere on Saturday when the grand rush came. The stores all did exceedingly well and an inventory of the stock remaining on Monday morning was hardly worth making. The weather was ideal all the week, until Friday, which turned out cold and rainy. Saturday was better but several very heavy showers in the afternoon put a stop to the rush for a while and must have been disastrous to the curbstone merchants, of whom there were a great number, and who appear to have done very well even with this handicap. While there appeared a nice increase in the demand for plants, cut flowers seemed to lag a trifle, except violets, which were sold in great quantities, and the market entirely cleaned out on Saturday evening. Extra choice carnations were offered at $6 per hundred toward the last, which showed that the demand was not for them. All kinds of roses were in good supply, although a good shipping trade kept the stock moving. Beauties were quite plentiful. John Burton's new houses turned out 1,700 four-foot stemmed Beauties for the week, which seems a phenomenal crop from this range of glass. There was a good demand for cut lilies. S. S. Pennock handled 5,000 flowers from one consignee on Friday and Saturday. Cut lilies ranged in price from $12 to $15, the majority going at $12. Taken altogether it was a very satisfactory Easter for all concerned. Right now is the time to start for next season by writing down the impressions, the good and bad features of the business, now fresh in the memory and which, when referred to early next season, will help both grower and retailer in planning and laying a foundation for the better handling of the increased business that is sure to come.

There was a good attendance at the April meeting of the Florists' Club last Tuesday evening. Mr. Ford, of Ford & Kendig, large dealers in pipe and steam-fitters' supplies, was present and read a paper on the history of pipe making and a general talk on the subject followed. He said the great tendency of the times is to get everything as cheap as possible and this reduces the quality and causes a lot of very inferior stock to be placed on the market. There was an exhibition of the new Philadelphia Rambler, an improvement on the Crimson Rambler in that the flowers are a darker color and more double and the plant never mildews. Some beautiful new cannas were shown, which were certainly decided novelties. They were all from the Conard & Jones Company, of West Grove.

I must not forget to mention an Easter opening which is to continue each season at S. S. Pennock's. Mr. Pennock has added plants to his stock and the week previous to Easter had specimens of all the plants arranged harmoniously and many of them decorated with mats and ribbons. He has every reason to be proud of his enterprise as his rooms were crowded each evening and much business resulted. An orchestra was present during the evenings and was much appreciated.

John Smith, recently of Philadelphia, died suddenly in a hotel in New York March 29, of heart failure. The deceased was for several years foreman for Robert Craig & Son and afterward went into partnership with Mr. Whitely and carried on a retail business on Sixteenth street, below Chestnut, with greenhouses at Lansdowne, Pa. A wife and three children survive him. K.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (six words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1902 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—As gardener and florist, private place, married. Well up in all kinds fruits, vegetables, lawns, etc. Best references. Address J S, care American Florist

SITUATION WANTED—As foreman in commercial place to take full charge. Have 20 years' experience as grower of cut flowers and plants; practical and reliable. Best of references. GROWER, care American Florist.

SITUATION WANTED—By young man, age 22; competent to take charge of small place, or rose section; also designer and decorator. Want to work for honest party. Best of references. LAVRIDS NEILSEN, Mankato, Minn.

SITUATION WANTED—By competent florist and gardener, also designer and decorator. First-class commercial or private position; married. Will be at liberty April 15. GEO A. HODGSON, West Medway, Mass.

SITUATION WANTED—As manager or foreman by a first-class grower of roses carnations, 'mums, violets and general stock. Am 29 years of age; married, no children. Have had life experience in the florist business. References. Address W M, care American Florist.

SITUATION WANTED—By experienced florist and gardener, also designer and decorator; married, no children; would like to take charge of private or commercial place; age 29; German; best of references. Address J A K, care American Florist

SITUATION WANTED—As foreman by thoroughly practical florist. Good decorator, designer, etc. Grower of No. 1 roses, carnations and 'mums. First-class commercial or private position. Good wages expected. Address G. FOREMAN, care P. O., Canton, O.

SITUATION WANTED—By a good grower of cut flowers, etc., age 33, long experience in all branches of horticulture, to take charge, or as foreman. References as to ability and character. California or Colorado preferred. Address J R C, 3 2 Central Ave., Minneapolis, Minn.

SITUATION WANTED—By good all around florist age 32; single. Good grower of cut flowers, palms, ferns and pot plants in general; A1 references. Like to get position in place owner intends to sell or rent. State full particulars. A L, care Schiepan, 3455 State St., Chicago.

SITUATION WANTED—By thorough, practical florist and grower of fine roses, carnations, 'mums, violets; 25 years' experience. Good designer and decorator First-class commercial or private position. Best of references. Please state highest wages. Address G. FLORIST, 1428 West 10th St., Canton, O.

WANTED—Good rose grower, section man, also good general grower. Address S. J. REUTER, Westerly, R. I.

WANTED—Grower. Good wages paid, according to ability. Apply to HUNTSMAN & Co., Cincinnati, O.

WANTED—Two men for general greenhouse work and two helpers for rose sections. J. F. WILCOX Council Bluffs, Iowa.

WANTED AT ONCE—Sober and willing men for greenhouse work; $20 month. Apply to OTTO HANSEN, 1056 N. 62d Av., Chicago.

WANTED—A grower of roses and carnations; wages $45 to $50 per month; references. Apply to WALTER BUTLER, Chillicothe, O.

WANTED—Some young men as helpers in our greenhouses. Steady work and good pay. Apply to BASSETT & WASHBURN, Hinsdale, Ill.

WANTED—A good all-around single man; also an assistant. Good wages and steady work. J. F. GIBBS, Woodville, Allegheny Co., Pa.

WANTED—Young man with some knowledge of rose growing and greenhouse work. State wages wanted with board. R, care Am. Florist.

WANTED—To buy or rent 6,000 to 12,000 feet of glass about May or June; middle on western states preferred. Address G D, care Am. Florist.

WANTED—At once, good rose grower for commercial place. Good wages to man who can grow first-class stock. References required. C. S. FOOTE, Downers Grove, Ill.

WANTED—A steady man for general greenhouse work. State wages expected without board. Give references Address C. LOVERIDGE, Peoria, Ill.

WANTED—A florist, good all-around grower $35.0 per month and board. Also one man for $25.00 per month and board Address C, care American Florist.

WANTED—Foreman for commercial place. Good wages to sober man who can grow good stock. References required. CENTRAL GREENHOUSES, Sandusky, O.

WANTED—If E. H. Smith, formerly of Macomb, Ill., will send address to 5 9 Eddy St., Fort Scott, Kan., he will hear something to his advantage.

WANTED—Good all-around florist and vegetable gardener must be sober and a hustler State wages with board and room. Address F. W. CUSTER, 405 N. Mill St., Pontiac, Ill.

WANTED AT ONCE—A florist and gardener. Must understand growing roses and carnations. Married man preferred. State wages. MT. STERLING FLORAL CO., Mt. Sterling, Ky.

WANTED—Florist to work in greenhouses where general stock is grown Good wages to the right man. Address BUTTE FLORAL CO., Gregson Springs, Mont.

WANTED—Man for general greenhouse work Must be good grower and steady. Wages $30 per month board and room. LEO. KONOPP, Wellington and W Ravenswood Park, Chicago.

WANTED AT ONCE—Good all-around florist, single; bedding plants and lettuce a specialty. State wages wanted. Address THOS. GOWANLOCK, 88 Stanton Av., Detroit, Mich.

WANTED AT ONCE—A foreman or all-around grower no roses; grow carnations, chrysanthemums, miscellaneous bedding plants; good wages to good man. DANIEL E GORMAN, Williamsport, Pa.

WANTED AT ONCE—A good designer and good salesman; must be of pleasing address, sober and reliable. None other need apply; when answering state experience with reference. E. J. BOLANZ, Akron, O.

WANTED—A first-class Beauty grower, married man preferred. Will pay good wages to right man If satisfactory will give full charge of establishment. JNO. MUNO, 51 Wabash Ave., Chicago.

WANTED—Young man for general greenhouse work on commercial place; must be good on design work. Address, with references, age and salary, I R, care Eastern Office Am. Florist, 79 Milk St., Boston, Mass.

WANTED—At once, experienced man for general greenhouse work. Single man, German preferred. Wages, $30.00 per month with room and board. References required. Address J. A. BISSINGER, Lansing, Mich.

WANTED—A1 rose and carnation grower who understands grafting; a working manager; to the right man $75.00 per month will be paid. Address OWNER, Station A, Lock Box No. 10, Cleveland, O.

WANTED—Young man about 20 or 21 years old with two or three years' experience in retail florist store; steady position to the right party. State salary expected and give references. Address S F, care American Florist.

WANTED—Capable young man for general greenhouse work. One with some experience in greenhouse construction preferred. State age, experience and wages required in first letter. ESTHERVILLE GREENHOUSES, Estherville, Iowa.

WANTED—A man at once who thoroughly understands roses, carnations, chrysanthemums and general stock. Must be sober and industrious. State wages wanted, if married or single and age. SUNNYSIDE GREENHOUSES, Owosso, Mich.

WANTED—A good all-around man to take charge of 25,000 feet of glass. A good designer and able to wait on customers. Must come well recommended. Single man preferred. Good wages paid for the right man. W. W. COLES, Kokomo, Ind.

WANTED—Gardener to care for garden lawn and greenhouse cow and horse. Must be experienced and capable. Wages $30 per month with board and room. Address, giving nationality, age, experience and references. G. E DILEY, Palestine, Texas.

FOR SALE—6,000 feet of glass well stocked, house, etc. All O. K. and in good order. Bargain; terms easy; other business. Address Box 53, Decatur, Ill.

FOR RENT—Greenhouses and 14 acres of land with good dwelling and good water supply, without extra expense for rent. Enquire of T. H. WRIGHT & Co., Ft. Dodge, Ia.

FOR SALE—A profitable and growing florist business for sale at a very low price, with or without real estate. A great bargain. Address for particulars. ALMA S. PATTERSON, Fort Scott, Kan.

FOR SALE—Dwelling and greenhouses (no stock) centrally located in city of 4 500. Long established paying business: no competition; 3,200 feet glass; cause, death of owner. MRS. MARY BEZNER, Executrix, Jerseyville, Ill.

FOR SALE—Prosperous up-to-date retail florist business, complete, established 12 years; can show handsome profits. Engaged in another enterprise reason for selling. For full particulars address CHARLES H FOX, 21st and Columbia Ave., Philadelphia, Pa.

FOR SALE— Good established florist business in Baltimore city consisting of dwelling, greenhouses and cold frames fully equipped. Several large cemeteries adjacent. Entire property and business including large stock for spring trade is for sale. Death of former owner cause of sale. Address N. RUFUS GILL & SONS, 215 St. Paul street, Baltimore, Md.

Wanted Greenhouse Manager.

Salary $900 a year and house. We want a man of integrity and ability to take entire charge of our greenhouses. Must invest $500, with the same amount by ourselves, as working capital.

THE ROSEBANK CO., Cincinnati, Ohio.

FOREMAN WANTED

First class 'Mum, Rose and Carnation grower. 70,000 square feet of glass; good wages, steady place for competent man. Address, sending references, experience, ability and wages to

Crabb & Hunter, Grand Rapids, Mich.

WANTED.

At once, good general greenhouse men with experience on roses and carnations. Good wages. Apply with references.

C. W. Johnson, Supt. Greenhouses,
H. W. BUCKBEE,
Rockford Seed Farms,
Forest City Greenhouses, Rockford, Ill.

$300 Per Month.

Do you want it? If so, buy me out NOW, at your own price. Good reasons. 15,000 feet. It costs you a postal card to have particulars.

C. S. FITZSIMMONS, Lansing, Mich.

For Sale at a Bargain

Greenhouses, 25,000 square feet of glass, all in good condition and paying well; within 20 miles of Chicago. Owner is going to retire from business. Address F S, care American Florist.

FOR SALE OLD ESTABLISHED

FLORIST BUSINESS

4½ acres of ground, 10 greenhouses, several cold frames, 7 room house, barn, etc. 30 minutes from N. Y. city. Large cemetery opposite. Trolley cars pass place. 36 years in present location. Entire property and business, including large stock for spring trade. Call and inspect.

Mrs. C M. Hutchinson, Elizabeth, N. J.

American Florist Ads

Always do business, week days and every day, Sundays and holidays, all over the country, at home and abroad.

Syracuse, N. Y.

EVERY CIRCUMSTANCE FAVORABLE TO A BIG EASTER BUSINESS.—PLANTS POPULAR BUT CUT FLOWERS SOLD WELL.—NOTES OF DOINGS OF THE DEALERS.

All the conditions tending to make Easter profitable were present. The week was warm and bright, the result being that stock was plentiful and in good condition. All had splendid window displays, and there was but little desirable stock left Monday morning. The churches had more elaborate decorations than in years, palms, lilies and other plants being most used. The greatest demand was for lilies and potted plants, although cut flowers had a large sale. Lack of space in which to display stock and wait upon trade was the difficulty with which the florists had to contend.

W. S. Wheadon, of P. R. Quinlan & Company, says it was the biggest Easter his firm has ever had. The stock was good and everyone seemed to be buying flowers. Mr. Wheadon had an elaborate display, the lilies and azaleas being the especial features. The walls of the store were solid masses of bloom.

Henry Morris had twelve churches to decorate and was busy every minute. In his window were beautiful baskets of ferns, lilies, azaleas, roses and carnations, masses of green forming the background. He reported that people wanted the best there was and price was no object.

Henry Burt sold more lilies and hydrangeas than anything else. Hydrangeas are especially good this year. Lilies of the valley and sweet peas were in great demand. Mr. Burt used trained Rambler roses in his display.

L. E Marquisee did a thriving business in carnations. Peter Kay and Bannister Brothers also were well pleased with their Easter trade. A. J. B.

LILY BULBS

Rubrum, Auratum, Album, Giganteum, Single Tiger, Double Tiger. Close rates.

Gladiolus "1900"

NOVELTY. Very showy for cut flower work and florists' window decorations. Spikes 15 inches long, very strong grower, rich red color, three white spots on lower petal. Good substance lasting well after cutting. Successive plantings of this would secure fine window show the whole season. Per 100, **$3.75.**

GLADIOLUS Mixture. A good assortment.

Vaughan's Seed Store, New York. Chicago.

"Fumigation Methods"

BY PROF. JOHNSON.

Every Grower needs this book..... Price **$1.00**

AMERICAN FLORIST COMPANY,
324 Dearborn Street, ...CHICAGO.

Wholesale Flower Markets

MILWAUKEE, Apr. 3.

Roses, Beauty, long, per doz.	3.00@ 5.00
" " med. "	1.50@ 2.00
" " short "	.50@ 1 00
" Liberty	6.00@10.00
" Bride, Bridesmaid	4.00@ 6 00
" Meteor	4.00@ 6.00
" Golden Gate	6 00@ 8.00
" Perle	4.00@ 6 00
Carnations, ordinary	2 00
" fancy	3.00@ 4 00
Violets	1.00
Callas	12.50@15.00
Harrissi	15.00@18 00
Lily of the valley	4.00
Daffodils	3.00@ 4 00
Tulips	2.00@ 3.00
Adiantum	.75@ 1.00
Smilax	18.00@20 00
Asparagus	65.00
Common ferns	.25

PITTSBURG, Apr. 3.

Roses, Beauty, specials	40.00@50.00
" " extras	20.00@30.00
" " No. 1	10.00@15.00
" " No. 2	3 00@ 6.00
" Bride, Bridesmaid	3 00@12 00
" Meteor	6.00@12 00
Carnations	1.50@ 4 00
Lily of the valley	2.00@ 4.00
Violets	.20@ 75
Harrisii lilies	8 00@12 00
Romans, Paper Whites	1.00@ 3.00
Tulips	3.00@ 5.00
Lilac, per bunch,	.75@ 1 00
Sweet Peas	1.00@ 2.00
Smilax	15.00@20 00
Adiantum	1 00@ 1.50
Asparagus	50.00@75.00

CINCINNATI, Apr. 3.

Roses, Beauty	20.00@40.00
" Bride	4.00@ 6.00
" Bridesmaid	4.00@ 6.00
" Meteor	4.00@ 8.00
" Perle	3.00@ 4 00
Carnations	1.50@ 3.00
Violets	.50@ 1 00
Harrisii lilies	15.00
Lily of the valley	3.00@ 4 00
Daffodils	3.00
Tulips	3.00@ 5.00
Romans, Paper Whites	2.00@ 4.00
Asparagus	50.00
Smilax	15.00
Adiantum cuneatum	1.00
Common ferns	.20

ST. LOUIS, Apr. 3.

Roses, Beauty, short stem	5.00@12.50
" " long stems	15.00@30 00
" Bride, Bridesmaid	5.00@ 8.00
" Meteor	4.00@ 6.00
" Golden Gate	5.00@ 8.00
Carnations, ordinary	1.50@ 2.50
" choice	3 00@ 4.00
Violets	.25@ .50
Sweet peas	.25@ .50
Harrisii	12.50
Callas	10.00@12 50
Lily of the valley	2 50@ 3.00
Romans	2 00@ 3 00
Narcissi	2.50@ 3 00
Tulips	2.00@ 3.00
Smilax	15 00
Asparagus Sprengeri	1.00@ 1.50
" Plumosus	1.00@ 1.50

Cut Adiantum

Any Quantity, very fine, $1.00 per 100.
Bulbous Flowers in largest assortment.
CUT FLOWERS of all kinds.

Holton & Hunkel Co.
Milwaukee, Wis.

The F. R. WILLIAMS CO.
WHOLESALE FLORISTS,
Brides, Maids, Meteors, Cernations, Cut Adiantum, Gelax, Common Ferns, and Florists' Supplies.
Telephone Connections. CLEVELAND, OHIO.

Frank M. Ellis,
WHOLESALE FLORIST,
1316 Pine Street, ST. LOUIS, MO.
CONSIGNMENTS SOLICITED.

H. G. BERNING
Wholesale Florist
1322 Pine St., ST. LOUIS, MO.

C. A. KUEHN,
Wholesale Florist,
1122 PINE STREET.
ST. LOUIS, MO.
A complete line of Wire Designs.

Pittsburg Cut Flower Co. Ltd
WHOLESALE FLORISTS.
Pittsburg, Pa.

The Cincinnati Cut Flower Co.,
416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.
Consignments Solicited.
Special Attention Given to Shipping Orders.

MICHIGAN Cut Flower Exchange,
WM. DILGER, Manager,
WHOLESALE COMMISSION.
Full line of Florists' Supplies and Decorations.
Special attention to shipping orders.
26 Miami Avenue, DETROIT, MICH.

RICE BROTHERS
WHOLESALE FLORISTS and FLORAL SUPPLIES.
Receivers and Shippers of Fresh Cut Flowers.
Special attention to shipping orders. A complete line of Florists' needs. Send for price list. Prompt returns on all consignments.
128 N. Sixth St. MINNEAPOLIS, MINN.
Please mention the American Florist when writing.

Large Supplies

OF ALL KINDS OF STOCK.

We want your orders. Cuts are heavy and we have stock for all requirements. Our Beauties especially, are the finest the market has seen for some time and the prices are so reasonable everybody can afford to handle them. Everything else of first-class quality. Send in your orders.

E. C. Amling

The Largest, Best Equipped and Most Centrally Located Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St. CHICAGO.

L. D. PHONES CENTRAL 1999 AND 1977.

PRICE LIST.

BEAUTIES.		
36-inch stems, per doz.,		$3.00
24 " " "		2.00
20 " " "		1.50
16 " " "		1.00
12 " " "		.75
6 to 8-in. " per 100	$4.00	6.00
		Per 100
Brides	$4.00	6.00
Maids	4.00	6.00
Meteors	4.00	6.00
Gates	4.00	6.00
Carnations	1.00	1.50
" large and fancies	2.00	3.00
Callas, per doz.,	1.00	1.25
Sweet Peas	.75	1.00
Violets		1.00
Tulips	2.00	4.00
Daffodils	2.00	3.00
Valley, select		3.00
Asparagus plumosus, per stg,	.50	.75
" Sprengeri		4.00
Ferns, per 1000, $3.00;		.30
Galax " 1.25;		.15
Leucothoe sprays		1.00
Adiantum	1.00	1.50
Smilax, per doz.,	1.50	2.00

Prices subject to change without notice

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

WEILAND-AND-RISCH

CHICAGO'S RELIABLE

Wholesale Growers and Shippers of

CUT FLOWERS,

59 Wabash Ave., Chicago.

SEND FOR WEEKLY PRICE LIST.

WHOLESALE FLORISTS

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florists

31-35 Randolph St., CHICAGO.

Consignments solicited.....

FRANK GARLAND,

Wholesale Grower of **Cut Flowers**

SPECIAL ATTENTION GIVEN TO HARDY CUT **FERNS**

55-57 WABASH AVENUE,

Telephone Central 3284. CHICAGO.

Please mention the American Florist when writing.

GEO. REINBERG,

Wholesale Grower of *Cut Flowers*

Choice American Beauties.

We will take care of your orders at reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.

Headquarters for American Beauty.

51 Wabash Ave., CHICAGO, ILL.

Please mention the American Florist when writing.

Wholesale Flower Markets

CHICAGO, Apr. 4.

Roses, Beauty, 30 to 36-inch stems		3.00
" " 24 " "		2.00
" " 20 " "		1.50
" " 15 " "		1.00
" " 12 " "		.75
6 to 8 " " per 100	4.00@	6.00
" Bride, Bridesmaid	5.00@	7.00
" Meteor	5.00@	7.00
" Perle	4.00@	6.00
" Golden Gate	5.00@	7.00
Carnations	1.25@	3.00
Violets	.50@	1.00
Lily of the valley	2.00@	3.00
Harrisii	8.00@	12.00
Callas, per doz. 1.25@.150		
Tulips	2.00@	4.00
Daffodils	2.00@	3.00
Adiantum	1.00@	1.50
Common ferns per 1,000 $2.50		.30
Galax leaves, per 1000 $1.00		.15
Smilax per dozen 1.50@		2.00

LILY of the VALLEY

FOR EASTER.

The finest quality in unlimited quantities. Fine Valley Pips for Forcing. Write for Prices.

H. N. BRUNS,

1409-1411 W. Madison St., CHICAGO.

CHOICE

LILY of the VALLEY

in large quantities, the finest that is grown, $4 and $5 per 100.

JOHN WOLF SAVANNAH, GA.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

E. H. Hunt,

WHOLESALE.....

Cut Flowers

THE "OLD RELIABLE,"

76 Wabash Ave., CHICAGO.

JOHN MUNO,

Wholesale Grower and Shipper of **Cut Flowers**

Room 221, 51 Wabash Ave., CHICAGO.

TELEPHONE CENTRAL 3598. All telegraph and telephone orders given prompt attention.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

Please mention the American Florist when writing.

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in **Cut Flowers**

All telegraph and telephone orders given prompt attention.

GREENHOUSES: Morton Grove, Ill.

35-37 Randolph Street, CHICAGO, ILL.

A. L. Randall,

WHOLESALE FLORIST.

4 Washington Street, CHICAGO.

Send for weekly price list and special quotations on 1000 lots.

Please mention the American Florist when writing.

Choice Beauties, VALLEY.

SAMUEL S. PENNOCK,
Wholesale Florist,
1612-18 LUDLOW ST., PHILADELPHIA, PA.

GEO. A. SUTHERLAND,
34 Hawley St., BOSTON.
Telephone 1270 Main.
BEST BOSTON FLOWERS. All Supplies.
An entire floor Devoted to Stock and Manufacturing. Distributing Agent for United States for the wonderful

"Floral" LETTER, unequalled for design work. Script, any color, 3½c a letter. Block letters, 1½c each. The most elaborate design work to order in a few minutes.

GENERAL AGENTS:
H. BAYERSDORFER & CO., Philadelphia.
REED & KELLER, New York City.

SPECIALTIES THIS WEEK:
Special American Beauty,
CARNATIONS,
Lily of the Valley, Violets.

CITY HALL CUT FLOWER MARKET
WELCH BROS., PROPS.
9 CHAPMAN PLACE,
15 PROVINCE STREET, **Boston, Mass.**

The best market for Growers who can ship good Cut Flower stock.

J. K. ALLEN,
106 West 28th Street,
Telephone 167 Madison Sq. NEW YORK CITY.

N. F. McCARTHY & CO.
84 Hawley St., BOSTON,
ARE RECEIVING ELEGANT ROSES ALL VARIETIES.
DON'T YOU WANTSOME?
Tel. 734 and 64 Main.

Geo. M. Moss,
WHOLESALE FLORIST,
32 South 17th Street, PHILADELPHIA, PA.
Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.

Wholesale Flower Markets

BOSTON, Apr. 2.	
Roses, Beauty, extra	25.00@40.00
" " medium	10.00@15.00
" " culls	6.00@ 8.00
" Bride, Bridesmaid, Meteor	2.00@ 6.00
" extra	8.00@10.00
Carnations	1.50@ 2.00
" fancy	3.00@ 4.00
Lily of the valley	2.00@ 4.00
Violets	.40@ .50
Harrisii lilies	8.00@10.00
Astilbe	2.00@ 3.00
Narcissus Paper White	1.50@ 2.00
" Yellow	1.50@ 2.00
Tulips	1.00@ 2.00
Callas	8.00@10.00
Adiantum	.50@ 1.00
Smilax	16.00@20.00
PHILADELPHIA, Apr. 2.	
Roses, Tea	6.00@10.00
" " extra	10.00@15.00
" Beauty, extra	35.00@50.00
" " firsts	20.00@30.00
" Queen of Edgely, extra	75.00
" " " firsts	25.00
Carnations	2.00@ 6.00
Lily of the valley	4.00@ 5.00
Asparagus	25.00@50.00
Smilax	12.00@15.00
BUFFALO, Apr. 3	
Roses, Beauty	7.00@35.00
" Bride, Bridesmaid, Meteor	6.00@12.50
Carnations	1.50@ 5.00
Violets	.50@ 1.00
Lily of the valley	3.00@ 4.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.50

Give Us a Trial. We Can Please You.

Roses, Carnations and all kinds of Seasonable Flowers in stock.
WM. F. KASTING, Wholesale Commission Florist,
481 Washington St., Buffalo, N. Y.
Dealer in Florists' Supplies and Wire Designs.
Open Day and Night.

Cut Harrisii Lilies.

I am growing the largest batch of lilies in New England. Have over 50,000 Harrisii besides plenty of Japans for Easter. Can supply blooms all the time from now till spring. Can fill orders for any quantity at an hour's notice.

H. N. EATON,
'Phone Connection. SO. SUDBURY, MASS.

MARKETING for flowers is a pleasure if done at the Headquarters of the
NEW YORK CUT FLOWER CO.
Here is the choicest stock of the most eminent growers, fresh every morning and in full variety. Goods selected and shipped to any part of the country. Always room for growers looking for an outlet for good cut flower stock.
DAILY REPORTS. WEEKLY PAYMENTS.
SALESROOMS { 55 & 57 West 26th St., NEW YORK CITY.
TELEPHONES: 2239 Madison Sq. 2034 Madison Sq.
J. A. MILLANG, MANAGER.

EUGENE BERNHEIMER
Wholesale Florist,
Phone 14269 A, 1604 Ludlow St., **Philadelphia.**
CONSIGNMENTS OF ROSES SOLICITED.

AMERICAN FLORIST ADS ALWAYS DO BUSINESS
Week days and every day, Sundays and holidays,
ALL OVER THE COUNTRY AT HOME AND ABROAD.

BEAUTIES VALLEY

Leo. Niessen,
N. W. Cor. Filbert and 13th sts., Philadelphia.

Note the Smile of Satisfaction

When the consignor reads his returns the buyer opens a box of flowers From

JOHN I. RAYNOR, WHOLESALE COMMISSION FLORIST.

Telephone 1998 Madison Square — 49 W. 28th St, NEW YORK.

YOUNG & NUGENT

WHOLESALE FLORISTS 42 West 28th Street, NEW YORK,

Are shipping the finest Roses, Carnations, Valley, Orchids, Novelties, in the New York Market. Price List to Applicants.

TELEPHONE 2065 MADISON SQUARE.

Walter F. Sheridan,

Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Telephone Nos. 2239 and 2034 Madison Square.

MOORE, HENTZ & NASH

Wholesale Commission Florists,

65 and 57 West 26th St., NEW YORK CITY.

Adjoining New York Cut Flower Co. salesroom. Finest Salesroom in the Trade. Inspection Invited. All business, selling or shipping, strictly commission.

WHOLESALE **WILLIAM GHORMLEY,** COMMISSION

RECEIVER AND SHIPPER OF FRESH CUT FLOWERS. DAILY STOCK OF ALL THE CHOICEST VARIETIES FROM BEST GROWERS WHO SHIP TO NEW YORK.

ORCHIDS, ROSES, CARNATIONS, VALLEY.
Largest receiver of VIOLETS in America

Telephone 2200 Madison Square, 57 WEST 28th STREET, NEW YORK CITY.

JOHN YOUNG

Special American Beauties, Surpassing Carnations, Violets, Lily of the Valley, Orchids, and all Seasonable Flowers.

51 West 28th St., NEW YORK.
Tel. 1905 Madison Sq.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR

Violets and Carnations

GROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER,
30 West 29th St., New York.
Telephone 551 Madison Square.

FRANK MILLANG,

CUT FLOWERS,

WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange, NEW YORK.
Telephone 299 Madison Square.

ESTABLISHED 1872.

JOHN J. PERKINS,

COMMISSION FLORIST,

Solicits Consignments or Shipping Orders. Satisfaction given in both.

Write for Terms. 115 West 30th St., New York.

POPULAR WITH THE TRADE.
Therefore a profitable place to send your Flowers.

M. A. HART'S,

48 West 30th St., New York City.
Telephone 325 Madison Square.

Choice Carnations. Selected Roses.

Traendly & Schenck

NEW YORK CITY,

38 W. 28th Street, Cut Flower Exchange.

New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

NEW YORK, Apr. 2.

Roses, Beauty, select	12.00@25.00
" " medium	4.00@10.00
" " culls	1.00@ 2.00
" Bridesmaid, Bride, Meteor	1.00@ 4 00
" " " extra	6.00@10.00
" Liberty	1.00@ 4 00
" Liberty special	6.00@10.00
Jacq and Brunner	5.00@20 00
Carnations	1.00@ 2 00
Carnations, specialties	3.00@ 4.00
Violets	.25@ 50
Lily of the valley	1.50@ 3.00
Yellow narcissi	1.00@ 2 00
Callas	4.00@ 6.00
Sweet Peas	1.00
Tulips, single	1 00@ 2.00
" double	2.00@ 4 00
Lilac, per bunch	.50@ 1 00
Harrisii lilies	4.00@ 8.00
Cattleyas	10.00@40.00
Mignonette	1.00@ 4.00
Smilax	10.00@15.00
Asparagus	25.00@50.00
" Sprengeri, per doz. bun.	2.00@3.00
Adiantum	.75@1.00

CHAS. MILLANG,

50 W. 29th St.,

NEW YORK.

FORD BROS.

Receivers and Shippers of

FRESH FLOWERS.

Best Violets in New York market.

111 WEST 30TH ST., NEW YORK.
Telephone 157 Madison Square.

Julius Lang

53 West 30th Street, NEW YORK.

REPRESENTS THE BEST GROWERS OF

ROSES, CARNATIONS, VALLEY.

TELEPHONE 280 MADISON SQUARE.

ALEX. J. GUTTMAN,

Wholesale Commission Florist,

A full supply daily of the choicest New York and New Jersey

FLOWERS.

52 W. 29th Street, NEW YORK CITY.
Telephone 1738 Madison Square.

A. H. LANGJAHR,

Wholesale Commission Florist,

BEST FLOWERS SHIPPED AT LOWEST NEW YORK PRICES.

19 Boerum Place, Brooklyn, N. Y.

TELEPHONE 939 MAIN.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.
Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE.

Now in Season:
FREESIAS, DAFFODILS, TULIPS
LILAC, SWEET PEAS and ACACIA.

EDW. C. HORAN,

47 WEST 28TH ST.,

Tel. 421 Madison Square, ...NEW YORK.

CUT FLOWERS AT WHOLESALE.

All Roses, Violets

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

J. E. NORTHRUP, Pres.; S. F. LEONARD, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

Twentieth annual convention, Twin Cities, Minn., June, 1902.

VISITED NEW YORK: W. H. Dennison, Ellisburg, N. Y.

THERE is a brisk demand for Red Wethersfield onion seed.

A FEW small lots of Alaska peas are being offered at lower rates.

VISITED CHICAGO: Jacques Courtine, representing Union Horticole, Hyeres, France.

THE Salzers advertise that they distribute about 125,000 pounds of onion seed annually.

ROCKFORD, ILL.—H. W. Buckbee is not recovering as fast as was expected from his recent injuries.

TIMOTHY seed sold at $6.90 per hundred pounds at Chicago March 27, the highest mark for thirty years.

W. H. TILTON, formerly with John Lewis Childs, Floral Park, N. Y., is now with Vaughan's Seed Store, New York.

MATTITUCK, L. I., N. Y.—J. M. Lupton states that cabbage stocks for seeding are now being planted and that they are in very fine condition. The loss from rotting is very small and the cabbages look particularly bright and healthy.

English Nursery and Seed Trade Association.

The annual meeting of this association was held March 11, at the offices of the association, 30 Wood street, Cheapside, London, E. C. The officers were re-elected as follows: President, N. N. Sherwood (Hurst & Sons); treasurer, W. J. Nutting (Nutting & Sons): secretary, J. P. Worrell, 30 Wood street, Cheapside, London, E. C. The association now consists of 120 members in the United Kingdom and 37 foreign members. The objects of the association are to collect and disseminate information beneficial to members, collection of debts, investigation of bankruptcies and assignments, attending creditors' meetings, making trade inquiries and supplying status reports; members afford to each other through the secretary mutual private information as to the financial position and extent of credit which may be given.

Montreal.

WEATHER FAVORABLE AND EASTER LEAVES EVERYONE SATISFIED WITH TRADE.—STOCK WELL CLEANED UP IN ALL LINES.—EXPRESSIONS OF RETAILERS.

The mild and bright weather we enjoyed for the last week helped to bring stock in on time and very little was behind for Easter. Satisfaction is manifest everywhere. Although Saturday was a nasty day plants and cut flowers were disposed of very easily and the storekeepers all sold out. The plants leading in demand were lilies, spiræas, lilies of the valley and hyacinths, with Ramblers following. In cut flowers roses, carnations, lilies of the valley and violets were the most looked for. The prices were about the same as last year. The stores in general were looking very gay on Good Friday, but it would be a task to decide which made the best show, J. Bennett, C. Campbell or S. S. Bain.

Harris & Hopton, besides their own, bought all the lilies available and had a good trade in tulips. Wilshire Brothers report only three plants left and were wishing to rest on Sunday, but funeral work had to be done. Miss I. Cairns was very busy. L. H. Goulet said it was a big day, especially on cut flowers. B. T. Greaves had a great call for lilies, and his large crop of carnations ran short.

Miss Murray had a splendid trade; her 500 western lilies went like hot cakes. Hall & Robinson disposed of all their general stock, including their beautiful Ramblers. T. Gorman did exceedingly well. P. McKenna & Son had the best stock on record, in quality as well as variety, and sold nearly out. Their lilies were the best in the city.

E. Bourbonniere did finely, especially on white flowers, and had quite a trade during the last week. C. Deloremier found the greatest call for lily of the valley in pots or cut and his lilies and hyacinths were sold without trouble. John Eddy & Son had big trade and fine carnations.

Harry Eddy, who opened a retail store on St. Catherine street for Easter, had his store filled and emptied it just as easy. He had splendid hydrangeas.

C. Deryncks, who bought a place near Mount Royal Cemetery, is going to push a general stock business, and did well at Easter. G. V.

Augusta, Ga.

BIG INCREASE IN EASTER SALES AS COMPARED WITH LAST YEAR.—PLANT BUSINESS OPENING BRISKLY.

There was a material increase in the demand for cut flowers for Easter trade, the increase being at least twenty-five per cent over last year, but prices ruled about the same as last season. Supply was unequal to the demand, both for cut flowers and plants in bloom. White azaleas and Lilinm Harrisii were in greatest demand. Astilbe Japonica, cinerarias and callas were slow sale. In cut flowers white carnations took the lead, Kaiserin and Bride roses next, colored carnations, Bridesmaid, Golden Gate and American Beauties running a close third. Violets were not in demand as nearly every garden in this section posesses a bed of this old favorite and this season they seem to outdo themselves in blooming. Buyers are becoming more discriminating in quality every year and inferior stock cannot be palmed off on the purchaser.

The demand for palms, decorative and bedding plants is opening briskly and promises to exceed that of any other year. This would indicate that our people are paying more attention to the adornment of their houses and grounds. L. A. B.

TUBEROSES! TUBEROSES!

Double Excelsior Pearl, No. 2, 60c per 100; $4.50 per 1000.

CHINESE DOUBLE PAEONIAS Exceptionally fine roots, with 3 and 4 strong eyes, all colors mixed, per doz., $1; $6 per 100; $55 per 1000.

CYCAS STEMS, (SAGO PALM), 10 lbs., $1.00; 25 lbs., $2.00; 100 lbs., $8.00.

Johnson & Stokes. 217 and 219 Market St., **Philadelphia, Pa.**

Import Freight Agents Delaware, Lackawanna & Western Railroad Co. at New York, N. Y.

ENERGY. ECONOMY. DISPATCH.

F. B. VANDEGRIFT & CO.,

Publishers of Vandegrift's United States Tariff.

Customs Brokers and Forwarders. Foreign Express, Export and Insurance Brokers.

NEW YORK Office, 66 Beaver Street Telephone, 9.8 Broad. | A. B. C. Code Used Cable Address, Vangrift. | **CHICAGO** Office, 315 Dearborn St. Phone Harrison 840.

SURPLUS

Beans and Peas

Crop 1901, Selected Stock.

100 Bush. Beans, Early Red Valentine.
100 " " Ex. Early Refugee.
100 " " Refugee or 1000 to 1.
10 " " Detroit Wax.
10 " " Wardwell's Wax.
30 " Peas, (crop 1900), Pride of the Market.

WRITE FOR PRICES TO

A. V. D. SNYDER,

Florist and Seedsman,

Ridgewood, New Jersey.

Please mention the American Florist when writing

Caladium BULBS

(SOUND)

	Per 100
5 to 7-inch	$ 3.00
7 to 9-inch	4 50
9 to 12-inch	8 00
12 inches and up	16.00

VAUGHAN'S SEED STORE, CHICAGO. NEW YORK.

ESTABLISHED 1802

THORBURN'S SEEDS

A Few Left

	Per 100	1000
LILIUM SPECIOSUM MELPOMENE, large size, 9 to 11-inches	$8.50	$80.00
LILIUM AURATUM, LARGE SIZE, 9 to 11-inches	8.00	75.00

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

TELEGRAPH CODE

OF THE

AM. SEED TRADE ASSOCIATION

$1.00,

In either stiff or flexible cover. ADDRESS ORDERS TO AMERICAN FLORIST CO., CHICAGO.

FLORISTS' FLOWER SEEDS

VAUGHAN'S ASTERS.

"THE CARLSON" an improved Peony-Flowered Aster, much liked in the Chicago market. White, pink or lavender, each, trade pkt. 25c, ¼ oz. $1.20.

		Trade pkt	¼ oz.	oz.
BRANCHING OR SEMPLE,	White.....pound, $8.00;	10	25	$ .75
" "	Rose pink.....	10	30	1.00
" "	Lavender.....pound, $12.00	10	30	1.00
" "	Red.....	10	35	1.20
" "	Daybreak pink.....	10	25	.70
" "	Mixed.....pound, $6.00	10	20	.50
VAUGHAN'S NEW UPRIGHT WHITE BRANCHING, lb., $12.00		10	30	1.00
VAUGHAN'S NEW UPRIGHT PINK BRANCHING, lb., $12.00		10	30	1.00
QUEEN OF THE MARKET,	White.....			
" " "	Pink.....			
" " "	Scarlet..... Each	10	20	.50
" " "	Light blue.....			
" " "	Dark blue.....			
" " "	Mixed.....	10	15	.50
ALYSSUM, Little Gem, extra fine strain...pound, $2.50		10	25	

ASPARAGUS SPRENGERI, 100 seeds, 50c; 1000 seeds, $2.00; 5000 seeds, $8.50. Write for prices on larger lots.

	Trade pkt.	Oz.
CENTAUREA Imperialis, mixed, all the following sorts.....	10	60
" " **Alba,** pure white.....	10	85
" " **Armida,** lilac.....	10	70
" " Favorita brilliant rose.....	10	70
" " Graziosa, dark lilac.....	10	70
" " Splendens, dark purple.....	10	70
" " Variabilis, white, fading to rose.....	10	70
COBÆA Scandens, purple.....lb $3.00;	10	25
DAISY, Burbank's New Shasta Daisy.....	25	
PHLOX DRUMMONDI.		
Grandiflora, Stellata Splendens, white, scarlet, pink, crimson, striped.....each	10	60
Large Flowering, finest mixed.....	10	50

VAUGHAN'S INTERNATIONAL PRIMULA MIXTURE. This mixture is composed of the most salable colors of single flowering Chinese Primulas, the best whites, pinks and reds, with a sprinkling of other colors, enough to give a large variety of colors, the most important shades predominating. We have taken special pains to make this mixture as complete as possible and unreservedly recommend it to everyone. Price for International Mixture, pkt. of 250 seeds, 50c; 5 pkts. 1250 seeds, $2.00; per 1-16 oz. $2.50.

OBCONICA Grandiflora, mixed, 1-16 oz. 85c; pkt. trade pkt. 25c.

FORBESI, "Baby Primrose," flowers rosy lilac, free blooming, excellent for pots. The seedlings begin to bloom 3 months after sowing; 500 seeds 25c

SWEET PEAS.

Our Sweet Pea Seed was raised by the most careful grower and is equal to the best in the country. We invite comparison.

Any of the following, per oz., 5c., except where noted.	¼ Lb.	Lb.	5 Lbs.
Blanche Burpee, very large white.....	10	25	$1.00
Blanche Ferry, pink and white.....	10	25	1.00
" " **extra early,** 10 days earlier.....	10	25	1.00
California, very soft "Daybreak" pink.....	10	30	
Captain of the Blues, purplish mauve.....	10	30	1.25
Countess, the New, clear lavender.....	10	25	1.00
Countess of Powis, orange suffused with purple.....	10	30	
Countess of Radnor, delicate lavender.....	10	25	1.00
Earliest of All, 8 days earlier than Ex. Early Blanche Ferry	15	30	1.50
Emily Henderson, white, early and free.....	10	30	
Her Majesty, beautiful rose, large.....	10	25	1.00
Katherine Tracy, soft but brilliant pink.....	10	25	1.10
Lady Grisel Hamilton, best of all lavender sorts.....	15	40	
Lady Mary Currie, bright orange pink.....	10	30	1.25
Mrs. Eckford, delicate primrose yellow.....	10	30	1.35
Navy Blue, a new, deep violet-blue.....	15	50	
Prima Donna, soft pink.....	10	25	1.10
Prince of Wales, new, bright rose self.....	15	40	1.65
Sadie Burpee, new white, white-seeded.....	15	30	
" " " " black seeded.....	15	30	
Saloplan, the best of all reds.....	10	25	1.10

VAUGHAN'S FLORISTS' MIXTURE.—This mixture, which is made up by ourselves from separate colors carefully proportioned, of the best cut-flower sorts and colors, is bound to give satisfaction. ¼ lb., 10c.; lb., 30c.; 5 lbs., $1.25; 10 lbs., $2.25.

NEW SWEET PEA—MONT BLANC.—Oz., 15c.; ¼ lb., 40c.; lb., $1.25; 2 lbs., $2.25; 5 lbs., $5.00.

	Tr. pk.	Oz.
CANDYTUFT, New Giant Hyacinth-Flowered. This improved new strain is far superior to Empress. The flower-heads are of immense size, six inches long and about three inches across, resembling a Dutch Hyacinth. They are pure white, and furnish excellent material for cutting. Pound, $2.50; trade pkt., 10c; oz., 30c.		

MIGNONETTE, TRUE MACHET. Trade pkt., 10c; ½-oz., 25c; oz., 50c; 2-ozs., 75c; ¼ lb., $1.25.

NASTURTIUM.

	Oz.	¼-lb.	lb.
"VAUGHAN'S SPECIAL" Mixture of Tall Nasturtiums.....$	.10	$ .20	$ .70
MME. GUNTHER'S HYBRIDS, true. ... ..10 lbs. $5.25...	.10	.20	.60
"VAUGHAN'S SPECIAL" Mixture of Dwarf Nasturtiums.....	.10	.20	.70

FOR OTHER FLOWER SEEDS SEE OUR "BOOK FOR FLORISTS." FREE ON APPLICATION.

10 per cent. Special Cash Discount on orders over $2.00 for Flower Seeds if the cash is enclosed.

VAUGHAN'S SEED STORE,

NEW YORK, 14 Barclay Street. **84-86 Randolph Street, CHICAGO.**

GREENHOUSES: WESTERN SPRINGS, ILLINOIS.

50,000 Rooted CARNATION CUTTINGS

to dispose of yet; all well rooted and free from disease.

	Per 100	Per 1000
Queen Louise.....	$5 00	$40.00
Flora Hill, Daybreak.....	1.25	10.00
Crane, America, Crocker.....	1.50	12.00
Lippincott, Melba.....	1.25	10.00
Lizzie McGowan.....	1.25	10.00
White Cloud.....	1.50	12.00

5000 BRIDESMAID ROSES, in 2½-inch pots, $2.00 per 100; $20 00 per 1000.

Special prices on large orders. Cash with order.

MERCER FLORAL CO., TRENTON, N. J.

NEW CARNATIONS.

	Doz.	100	1000
CRESSBROOK.....	$1.50	$10.00	$75.00
ENQUIRER.....	3.00	12.00	100.00
FAIR MAID.....	2.00	10.00	75.00
GAIETY.....	1.50	10.00	75.00
J. H. MANLEY.....	2.00	12.00	100.00
HARRY FENN.....	2.00	12.00	100.00
VIOLA ALLEN.....	2.00	12.00	100 00
NORWAY.....		6.00	50.00
FLORIANA.....		6.00	50.00
ALBA.....	2.50	12.00	
STELLA.....	2 50	12.00	
DOROTHY WHITNEY.....	2.50	12.00	
APOLLO.....	2.50	12.00	

Also other new and standard varieties.

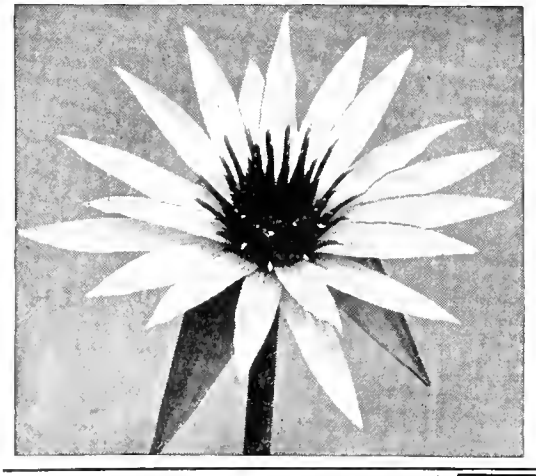
Chrysanthemums. We offer all of the new varieties of 1902 also the best of 1901. A large number of last year's novelties and leading standard varieties ready now, from 2½-inch pots.

Send for list. Correspondence solicited

H. WEBER & SONS, Oakland, Maryland.

Please mention the American Florist when writing.

WATER LILIES.



HARDY AND TENDER

NELUMBIUMS, VICTORIAS, Etc.

We are Headquarters for Water Lilies and Aquatic Plants of all Kinds.

Intending planters will gain a long start and early blooms by procuring dormant tubers of the tender Nymphæas now, and starting same indoors, thus securing strong plants for planting at proper season, and also save the expense of heavy express charges. We shall be pleased to furnish estimates and offer practical suggestions to those intending planting either large or small ponds.

Sow now Seeds of Victorias, Nelumbiums and Nymphæas.

HENRY A. DREER

714 Chestnut St., Philadelphia.

Ask for our SPRING TRADE LIST of WOODY and HERBACEOUS PLANTS

We make a **Specialty** of such shrubs as Clethra Alnifolia, Cornus Florida, Gordonia Lasianthus, Ilex Opaca, I. Glabra, Myrica, Pyrus Arbutifolia, Vinca, etc., etc.

PINEHURST NURSERIES, PINEHURST, N. C.
Otto Ketzenstein, Manager.

FAXON'S "WHITE HOUSE" PANSIES.

The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.

In Trade Packets at $1.00 each.

M. B. FAXON,

Lock Box 1528. BOSTON, MASS.

Correspondence solicited.

SUCCESSFUL SELLERS..... are the successful growers who advertise in **THE AMERICAN FLORIST.**

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

R. C. BERCKMANS, Pres.; R. J. COE, Vice-Pres.
GEORGE C. SEAGER, Rochester, N. Y., Sec'y.
Twenty-seventh annual convention, Milwaukee, Wis., June, 1902.

THE condemnation proceedings of the Rio Grande Western Railway to secure a right of way through the grounds of the Utah Nursery, at Salt Lake, resulted in a judgment for $9,678.92.

ELLWANGER & BARRY, on March 22, received an order by cablegram for the shipment of 200 fruit trees to Corea. No varieties were specified and they sent an assortment, including apple, pear, cherry and peach trees.

Pittsburg.

BIG WIND BRINGS HEAVY LOSS TO FLORISTS.—GREENHOUSES COLLAPSE UNDER THE GALE.—MUCH BROKEN GLASS.—EASTER TRADE VERY SATISFACTORY.—VARIOUS NOTES.

A wind of the velocity of sixty to seventy miles an hour struck Pittsburg Sunday afternoon, doing an immense amount of damage, many florists being included among the losers. The greatest sufferer was Fred. Burki, whose plant at Bellevue is located on an elevation. One range of six houses was completely crushed and 400 boxes of glass will be required to replace the structures. The loss is estimated at $9,000. The next sufferer was George Beckert, on Brighton road, a short distance northwest from Mr. Burki's place. This plant is reported almost a total wreck and the estimated loss more than $5,000. Poland Brothers in the same vicinity lost two houses, about $1,000. Henkle Brothers' place was damaged about $300 through the wind picking up hot bed sash and driving them through the roofs of the greenhouses. Breitenbaugh Brothers lost some glass, probably $200 worth, and John Bader is shaking hands with himself because he escaped with about the same oss. Mrs. E. A. Williams, Chas. Siebert, Blind Brothers and Chas. Koenig all lost broken glass and damaged stock. At Schenley Park there was a large crowd viewing the Easter display in Phipps Conservatory when the storm struck and the crashing glass made great excitement. Hail fell here, but it did not bring much loss to nearby florists.

The trade in general is delighted with the results of the Easter business. The buying began early and continued steadily, giving an excellent opportunity to care for all customers and bringing the aggregate of sales a good deal ahead of many expectations. There was plenty of stock, but home-grown material was superior to that shipped in from the east, as it had evidently been pickled. Double violets had a remarkable run and were the principal shortage. There were big stocks of fine blooming plants of all kinds and all seemed to find a ready market. Many novelties were introduced, in the line of baskets, boxes and pot wrappings and they took well. Crimson Ramblers in trellised baskets were also new.

Thomas Ulam was fortunate in securing a vacant store-room near his for his plant display. Benj. Elliott sent some splendid Crimson Ramblers from his Cheswick houses and Chas. Koenig had fine Harrisii, even if he did lose half his bulbs. Wm. Louch sent in splendid hydrangeas and rhododendrons.

E. L. M.

Providence, R. I.

BAD WEATHER CUTS INTO EASTER BUSINESS AND LEAVES STORES OVERSTOCKED ON PLANTS.—VARIOUS NOTES OF THE WEEK'S DOINGS.

Easter was preceded by almost ten days of fine weather, but Saturday's storm was disastrous. With a fair Sunday following, however, matters were straightened out somewhat and with a short supply of cut flowers we enjoyed a rush. Stock was cleaned out well, excepting bulbous material, which is always in surplus. Carnations were scarce and of medium grade. Roses were in good supply, especially out of town stock, with prices from $5 to $12. Violets were plentiful and poor but were in great demand. There was no shortage on lilies or azaleas. Taken altogether, business was good and a little past last year's wet weather standard. All are in the hole on plants.

T. J. Johnston imported the finest azaleas from New York. T. O'Connor, as usual, closed his store early Saturday and added his energy to that of the greenhouse squad. Hazard, Kellar and Wood made creditable displays, although the great burden of loss in plants will fall upon the first gentleman and Macnair, the latter being heavily overstocked.

Hoffman, Crawshaw and the Rhode Island Greenhouses led on azaleas, and the latter concern had a great array of quick selling hydrangeas. F. Macrea's lilies were leaders, and Almy's hyacinths were in good shape. Williams had the run on good geraniums.

One discordant note was the selling of plants to the department stores, whose advertisements were all calculated to reflect seriously upon the florists' price.

M. M.

ROCKFORD, ILL.—H. O. Hinkley opened an Easter flower store on South Main street and had a good trade.

WE HAVE OUR USUAL STOCK OF FINE
AMERICAN BEAUTY PLANTS.
JOHN BURTON, Chestnut Hill, Phila. Pa.

Rhododendron Maximum AND Kalmia Latifolia
The two best native Evergreen Shrubs for out-of-door ornamentation. Furnished by car load lots or in smaller quantities. Send for prices, also Special Rhododendron circulars. VINCA MINOR—10,000 3-inch clumps for sale cheap. Fine lot of general nursery stock.
EASTERN NURSERIES, M. M. Dawson, Mgr. Jamaica Plain, Mass.

Park Architects and Dealers
will find whatever they want in the
Holland Nurseries, De Bilt near Utrecht
HOLLAND.
SPECIALTIES ARE: Conifers, Evergreens, Hardy Shrubs, Lilacs, Ornamental Trees, Fruit Trees in different forms, Azaleas, Rhododendron Ponticum and Hybridum.
Please send list of your wants and write for general catalogue. We will make you special offers. Write to
GROENEWEGEN & ZOON,
De Bilt, near Utrecht, Holland.

Clematis.
Strong field-grown, 2 and 3 year plants, 30c to 35c each; $4.00 per dozen.
H. P. ROSES from 4-inch pots, own roots, $1.00 doz.; $10 per 100; 12 kinds.
PAEONIAS, Choice named collection. Distinct named kinds and colors, $1.50 per doz.; $10 per 100.
F. A. BALLER, BLOOMINGTON, ILL.

RHODODENDRONS "MTN."
Seedlings, $10.00 per 1000.
Choice plants..6 to 10 in., 75c per 10; $5 00 per 100
" " 12 to 18-in., $1.50 per 10; 12.50 per 100
Special prices on large lots. Cash with first order.
Rhododendron Leaves for festoonings, 50c per 1000
AZALEAS, Yellow, Pink and Red or Flaming, sizes and prices same as Rhododendrons.
J. N. PRITCHARD, ELK PARK, N. C.

B. W. DIRKEN,
Oudenbosch, Holland.
ORNAMENTAL AND FOREST TREES A SPECIALTY.
Conifers, Evergreens, Hollies, Etc.
Prices on Application.

P. LOEF AZ. & CO.
BOSKOOP, HOLLAND.
SPECIALTIES - Rhododendrons, Azaleas, Clematis, Roses and all kinds of Forcing Plants.
P. J. VAN HEININGEN, Representative.

J. VAN REISEN & SON,
WHOLESALE BULB GROWERS
Voorhout near Haarlem, Holland.
P. J. Van Heiningen, Agent.
Catalogue free on application.
New York Address, 136 WATER ST.,
care of MALTUS & WARE.

IRISH JUNIPER TREES
Extra heavy, 4 ft. ..... $20.00 per 100
18 to 24 in. ..... $8.00 per 100, $60.00 per 1000
24 to 30 in. ..... 10.00 per 100, 75.00 per 1000
30 to 36 in. ..... 12.00 per 100, 100.00 per 1000
250 of each size at 1000 rates. Boxing at cost.
RUBBER PLANTS
grown from top cuttings. 12 in. plants, $3.50 per doz.; 18 in. plants, $5.00 doz.; 20 to 24 in. plants, $7 per doz.
ROSES Golden Gate, La France, Bride and Bridesmaid from 2 in. pots, $3 per 100; $25 per 1000.
JOSEPH HEINL, Jacksonville, Ill.

SHADE TREES, Etc.

	Per 100	1000
Sugar Maple ..... 8 to 9 ft., $10		
Sugar Maple ..... 6 to 7 ft.,	7	$60
Sugar Maple ..... 4 to 5 ft.,	5	40
Sugar Maple ..... 3 to 4 ft.,	3	25
White Day Lily (F. Alba) crowns	5	
Double Tiger Lily, strong bulbs	2.50	
Single " " " "	2.00	18

Well packed and in cars. Cash with order.
E. Y. TEAS, CENTERVILLE, IND.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

Violet Plants

LADY CAMPBELL, sand rooted cuttings, $8 per 1000.
SWANLEY WHITE, sand rooted cuttings, 10 per 1000.
LADY CAMPBELL plants from 2-in. pots, 25 per 1000.
SWANLEY WHITE plants from 2-in. pots, 30 per 1000.

Let us price your needs in Carnation Cuttings.

Remember that when it comes to **Wire Work** we can **Discount Any** list you ever saw, **Our Own** included. Write.

KENNICOTT BROS. CO.

WHOLESALE COMMISSION FLORISTS
AND DEALERS IN ALL FLORISTS' SUPPLIES.

42-44 Randolph St. — CHICAGO.

GALAX BRONZE or GREEN

75 cents per 1000, in 2000 lots or over; single 1000, $1.00.

Also small Green Galax for Violets.

WILD SMILAX,

50 lb. case, $6.00. 35 lb. case, $4.50. 25 lb. case, $3.50.

PALM LEAVES, $1.50 and $2.00 per 100.
FERN, Fancy, $2.00 per 1000.
FERN, Dagger, $1.25 per 1000.

L. J. KRESHOVER,
110-112 W. 27th Street, NEW YORK CITY.
Telephone call, 597 Madison Square.

HARRY A. BUNYARD, Mgr.,
38 West 28th Street, NEW YORK.
Telephone, 798-799 Madison Sq.

WE ARE HEADQUARTERS FOR

Cut Flowers, Seeds, Bulbs and All Florists' Supplies.

Get our quotations on your wants before ordering elsewhere.

McKellar & Winterson Co.

45-47-49 WABASH AVE., CHICAGO.

COMMISSIONS CARRIED OUT IN LONDON

or any part of Great Britain.

Messrs. WILLS & SEGAR will attend to any commission from American florists for the supply of Cut Flowers, Birthday Flowers, Bouquets, High Class Floral Designs, etc., to their clients who may be traveling in England.

WILLS & SEGAR, Court Florists to His Majesty, The King.
ROYAL EXOTIC NURSERY,
TELEGRAMS, FLOSCULO, LONDON. Onslow Crescent, South Kensington, LONDON, ENGLAND.

Remember that the **BEST** **Wild Smilax** IN THE MARKET can be had from **J. B. DEAMUD,**
51-53 Wabash Ave.
CHICAGO, ILL.

FANCY OR DAGGER FERNS $1.50 PER 1000

PRINCESS PINE, 7c per lb.

GALAX, green or bronze, 75c per 1000. Laurel estooning, 4c, 5c and 6c per yd. Once used, always used for decorating. SPHAGNUM MOSS, etc.

Telegraph Office New Salem, Mass.

CROWL FERN CO., P. O. Millington, Mass.

Please mention the American Florist when writing.

Galax Leaves, Etc.

	Per 1000
Choice Bronze and Green, medium size	$ .50
Choice Bronze and Green, large size	.55
Choice Leucothoe Sprays	3.00
Choice Fancy and Dagger Ferns	.75
Choice Rhododendron Leaves	.50

Rhododendron Leaves for festoonings, 50c per 1000
Largest dealer on earth. Cash with first order.

J. N. PRITCHARD, ELK PARK, N. C.

REMEMBER you can get our Standard Brands of Wild Smilax and other Greens from such people as **J. B. Deamud, Chicago. H. Bayersdorfer & Co., Phila. L. J. Kreshover, N. Y. City. Vaul Seed Co., Indianapolis. Ed. Reid, Philadelphia. J. M. McCullough's Sons, Cincinnati, O. Michigan Cut Flower Exchange, Detroit, Mich.** or direct from us.

A FULL SUPPLY CONSTANTLY ON HAND.

Caldwell The Woodsman Co., Evergreen, Ala.

Wild Smilax

50 lb. case $2 50
30 lb case 1.75
Discount to Wholesale Dealers.

R. A. LEE, Monroe, Ala.

American Florist Advts.

Reach all the Trade.

HEADQUARTERS FOR.....

Green Goods

Where you never get disappointed. We always have the stock on hand and of the best quality.

FANCY and DAGGER **Ferns,**
$1.50 per 1000.
Discount on large orders.

BRILLIANT BRONZE AND GREEN GALAX, 75c per 1000 in 5000 lots. Satisfaction guaranteed.

SELECTED SOUTHERN WILD SMILAX, $4 and $7 per case. Also **LAUREL FESTOONING,** good and full, 4c, 5c and 6c per yard.

Orders by Mail, Telephone or Telegraph promptly attended to.

HENRY M. ROBINSON & CO.,
32-34-36 Court Sq., BOSTON, MASS.

Carnations

Rooted Cuttings. Maceo, $1.75; Hill, Joost and Daybreak, $1.50; Crocker, Keller, Webb, Cartledge, $1; Scott and McGowan, 90c per 100

ARNO S. CHASE, Cumberland Centre, Me.

Mention the American Florist when writing to advertisers on this page.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 79 Milk St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At New York.

Easter over, its cares and fatigues are soon forgotten by the light-hearted devotees of the bowling alley, and so on Monday evening the customary crowd was found at the old resort, full of the same old fun and Easter worries were never mentioned. The scores reported up to a seasonable hour are recorded herewith but were still at it when last heard from:

Player	1st	2d	3d	4th
Siebrecht	140	143	115	137
Hafner	189	117	140	141
Bunyard	159	113	111	129
Lang	137	153	135	192
Buros	145	168	143	170
Stewart	105	117	97	87
Smith	135	184	157	167
Traendly	127	135	144	125
Theilman		197	140	156

Indianapolis.

PLANT BUSINESS FAR EXCEEDS CUT FLOWER TRADE AT EASTER.—MEETING OF THE ASSOCIATION.—GOOD PLANTS IN RETAIL STORES.

While in all instances Easter trade is reported as at least equal to last year, some had the heaviest business on record. The volume of business done by our market men last Saturday was greater than ever before, consequently all are well satisfied. Blooming pot plants sold far ahead of cut flowers; bulbous stock especially was much in demand. Plants as well as cut flowers were very fine this year, as the weather during March was all that we could wish The line of goods was much the same as in other years, novelties being conspicuous by their absence. Realizing the fact that blooming plants are the thing nowadays for Easter, stores and conservatories of retailers were stocked to overflowing with them. In many places it was a sight impressive enough to affect even a florist. A cold wave postponed its arrival until Sunday morning, which was too late to hurt the market men, but was felt by the stores, as it told on the sale of cut flowers, which as a rule is heaviest on Sunday morning.

H. Rieman had quite a lot of fine Easter stock, of Lilium longiflorum and some extra fine hybrid roses. Bertermann Brothers were strong on rhododendrons and Ramblers. A. Wiegand & Sons made a good thing of hydrangeas, which came just right and sold splendidly. These and Ramblers proved to be best in demand with them. Violets they say were leaders in cut flowers. Fred. Hukriede & Son were justly proud of their hyacinths and tulips. Philip Conway was much pleased with the geranium trade. John Heidenreich did a fine business selling bulbous stock to retailers.

At this week's meeting of the Florists' Association John Hartje received honorable mention for a vase of Ulrich Brunner and Magna Charta roses which were very fine. There were also on exhibition three plants of a rose seedling of the polyantha type, shown by Wm. Hack, the originator. The plants were in 6-inch pots, fifteen to eighteen inches high, with five to six branches, each branch carrying a large cluster, more lengthy than round, of white double flowers, in size and shape like those of Crimson Rambler. Seen from a distance the plants resembled fine specimens of ten-week stock. A. Baur, R. McKeand and E. Rieman were appointed a committee to report on the exhibit and pronounced it a novelty of the first water, provided it proves a continuous bloomer as is claimed for it. Irvin Bertermann and H W. Rieman made some preliminary announcements regarding the fall show. John Hartje read a paper on the ideal carnation, which was well received. R. F. Harritt was elected to membership.

H. J.

Lowell, Mass.

SATISFACTORY OUTCOME OF A WEEK OF FORTUITOUS CIRCUMSTANCES. — PLANT SALES HEAVY.—NOTES.

The week before Easter found the flower stores filled with blooming plants, while the prospect of a strike of 20,000 mill operatives threatened to tie up business, but a conference warded off this disaster and business on Saturday was the heaviest in the history of the flower trade here. The aggregate of sales was satisfactory, although the weather was bad when the business was at its height. Lilies seemed so be a little short in stem, but the quality of bloom was fine, especially those from E. N. Pierce & Sons, at Waltham. The price was 20 cents per bloom, with everything counted, but there were no department stores handling them. Patten made an elegant showing at his branch store at Prescott and Central streets, where W. A. Waterworth and Geo. A. Sanders had charge. Business was tremendous, both there and at their regular store.

Porto Rican mats were used to great advantage on azaleas, lilies and other plants. There was a big call for hydrangeas and a few rhododendrons brought good prices. Crimson Ramblers sold well, being in good flower. Prices for 7-inch pots were $4 to $5 per plant. Genistas found no sale. The many other items in the plant line were cleared out after lilies were gone.

The cut flower supply was greater than the demand, bulbous stock selling best of all and violets following, with roses and carnations dragging. There was a big call for callas, with limited supply.

A. M.

Florists' Calendar for April

3 at Doz. rate. BULBS. 20 at 100 rate.

	Doz.	100
Amaryllis Vittata—Gems. Every one a beauty in brilliancy of coloring. Unrivaled. Immense flowers, bulbs 7 to 9-inch.....each, 25c;	$2 50	$20.00
Large bulbs.....each, 40c;	4.00	30.00
Begonias, tuberous single. Separate colors ½-inch.....	.40	2.25
Begonias, tuberous double. Separate colors ½-inch.....	.60	4.50
Caladium, Fancy Leaved—Grow only choice named sorts; mixed stuff does not pay. Finest Brazilian sorts, 20 varieties.....	1.25	9.00
Caladium Esculentum—		
5-7-inch.....	.20	2.00
7-9 inch.....	.50	3 00
9-12 inch.....	.70	5.00
Calla, Spotted, large bulbs.....	.40	2.50
Cannas—A. Bouvier, Alsace, Austria, Burbank, Chas. Henderson, Florence Vaughan, P. Marquant, Italia, Queen Charlotte, Shenandoah (bronze foliage).....	.40	2.50
Beaute Poitevine, Crimson Bedder, Mlle. Berrat, Duke of Marlboro, Philadelphia, Secy Chabanne, Pres. McKinley.....	.50	3.00
Mixed.....	.30	2.00
Gladiolus, for forcing. American Hybrid, 60 per cent white and light	100	1000
1st size.....	1.50	10.00
2d size.....	1.00	7.00
Gladiolus May Florists' favorite forcer		
1st size.....	1.75	16.00
2d size.....	1.50	12.00
Gladiolus, Groff's Hybrids, great prize winners.....dozen, 40c;	2.75	25.00
Send for our list of Gladioli, named sorts, separate colors, etc.		
Gloxinias—	Doz.	100
Separate white, blue, red, mottled	$ .50	$4.00
Choice mixture.....	.40	3.00
Montbretias, finest grandiflora sorts...	.15	1.00
LILIES, JAPAN		
Auratum, 8-9..... (Scarce)	.60	4.50
Rubrum, 6-8..... (Scarce)	.40	3.00
" 8-9..... (Scarce)	.75	5.00
" 9-11..... (Scarce)	.85	6.00
Album, 6-7.....	50	3.50
" 7-9.....	.75	5 00
" 9-11.....	.85	6 00
" 11-12.....	1.25	8.00
Melpomene, 7-9.....	.75	5.00
Japan Lilies make a fine paying investment for summer growing.		
Tuberoses, Ex. Pearl, fine stock	100	1000 2000
3-4-inch.....	$ .60	$5.00 $9.00

READY—CYCAS REVOLUTA.

Stems ½ to 10 lbs. Same stock we have furnished for 20 years. Stems under 3 lbs., $9.00 per 100 lbs.; over 3 lbs., $8.00 per 100 lbs. Liberal discount on large orders.

New Dahlia

GERMANIA GIANT.

The Finest Silvery Pink in Existence. Best for Cut Flowers.

Flowers 5 to 6 inches in diameter. Stems stiff, very long. Sold in New York for 25 cents a dozen. Certificate of Merit at Madison Square Flower Show. **Stock Limited.** Strong field-grown clumps, each 25 cents; dozen, $2.50; 100 $15.00.

JAPAN FERN BALLS.

Grown for us one year in Japan. Have established root system, force much quicker than freshly made up stock. Extra select long leaved stock, 7-9-inch each, 30c.; dozen, $3.00; 100, $24.00

FERN DESIGNS

Beautiful for Verandas and Store windows.

Anchors, Crosses, 50c each, $5 doz.
Turtles, Fish, Birds, Frogs, 60c each, $6.50 per doz.
Pagodas, Chinese Lanterns, Monkeys with drum or swing, 85c each, $9 per doz.

Full Rigged Ship, very fine, $1 each, $10 per doz. 3 of a kind at dozen rates.

Iris Kæmpferi—Fine for cut flowers.	Doz.	100
Extra Large Clumps, Choice Assortment.....	$1.25	$8.00
Japan Maples, in all fine sorts.....	4.00	25 00
Japan Herbaceous Pæonias. Beautiful. To clear out, Bargain, dozen.....		$2.00

SEEDS.

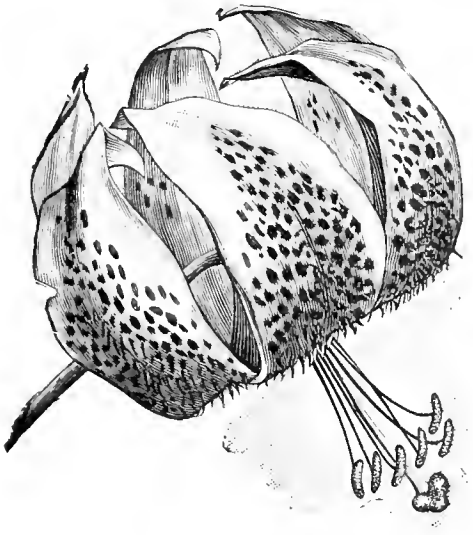
	100	1000
Asparagus Pl. Nanus.....	$ .85	$7.50
" **Sorengeri**.....	.25	2.00
Latania Borbonica .....3,000 at $5.00;	.25	2.00
Livistona Sinensis	.60	5.00
" **Rotundifolia**	2.00	17.50
Caryota Urens (Fishtail palm).....	1.00	7.00

SWEET PEA SEED.

All Florists' favorite sorts, lb., 25 cents; ¼ lb., 10 cents; 5 lbs., $1.00.

Send for our Seed List. Address

Established 1878. **H. H. BERGER & CO., 47 Barclay St., New York.**



DREER'S

SUMMER FLOWERING BULBS

We have fine stocks of the following, all of which are useful for store sales and for growing on for summer cut flowers.

LILIES.

	Per doz.	100
Auratum, 8 to 9-inch bulbs	$ 75	$5 00
" 9 to 11 " "	1 00	7 50
" 11 to 13 " "	1.75	14.00
Krameri rose color	1.00	6.00
Spec. album, 8 to 9-inch bulbs	.75	5.00
" " 9 to 11 " "	1 00	7.00
" roseum, 8 to 9 " "	.75	5.00
" " 9 to 11 " "	1.00	7.00
" rubrum, 8 to 9 " "	75	5 00
" " 9 to 11 " "	1.00	7.00

BEGONIAS.

Single, in separate colors	.40	3.00
" mixture	.35	2.50
Double, in separate colors	.65	5.00
" mixture	.50	4.00

CALADIUMS.

Esculentum, 6 to 8-inch bulbs	.40	3.00
" 8 to 10 "	.65	5.00
" 10 to 12 "	.90	7.00

GLADIOLUS.

	Per 100	1000
All selected first size bulbs.		
White and light shades mixed	$1.75	15.00
Scarlet and crimson shades mixed	1.00	8.50
Yellow shades "	2.50	23.00
Striped and variegated "	2.00	18.00
Pink "	1.25	12.00
New Giant (Childsii) "	2 50	22 00
Groff's Hybrids "	2.75	25.00
American Hybrids, all colors	1.25	10.00

DAHLIAS.

		Per 100
All strong, field-grown roots.		
Double Cactus, latest novelties, set of 14	3.00	
" " 1901 " " 8	1 50	15.00
" " 1900 " " 12	1.00	8 00
" Decorative varieties. " 20	1 00	8.00
" Show " " 12	1.00	8.00
" Fancy " " 12	1.00	8 00
" Quilled " " 6	.50	8.00
" Pompon " " 12	1.00	8.00
Superb single, " " 10	.85	8.00

AMARYLLIS.

	Per doz.	Per 100
Formosissima	$ .30	$2.00

GLOXINIAS.

Superb mixed, per 1000, $35.00	.50	4.00

HYACINTHUS.

Candicans (Cape Hyacinth)	.30	2.00

ISMENE.

Calathina	1.50	12.00

MADEIRA VINES.

Strong roots	.30	2.00

MILLA.

	Per doz.	Per 100
Biflora	35	2.50

MONTBRETIAS.

Crocosmæflora	.15	1.00
Six choice named sorts	.25	1.75

TIGRIDIAS.

Conchiflora, Pavonia, Grandiflora alba	.30	2.00

TUBEROSES.

	Per 100	Per 1000
Double Pearl, second size bulbs	.60	5.00

HENRY A. DREER. 714 CHESTNUT ST., PHILADELPHIA, PA.

LATE PRICES.

CARNATIONS — Queen Louise, Estelle, Roosevelt and Prosperity for $4 00 per 100 G. H. Crane, Ethel Crocker and Genevieve Lord for $1 00 per 100.

GERANIUMS — A general assortment of new and standard varieties, all correctly labeled at $10.00 per 1000. A few thousand mixed ones at $7 50 per 1000. Jean Viaud and M. de Castelaine at $3 per 100.

HARDY PHLOX—All the best varieties, labeled, in assortment of my own selection, at $12.50 per 1000.

Above are rooted cuttings, not transplanted plants.

Hardy Phlox, from 2-in. pots, $2 per 100.

BONE MEAL.

I have been using this Bone Meal for a number of years and never have found anything as good. It is not cheap in price; neither is it cheap in results. Put up in 200 lb. bags only at $3.50 per bag or $32.50 per ton.

ALBERT M HERR, Lancaster, Pa.

Imported Bulbs for Florists' Forcing

Send Us Your List for Pricing.

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 Spiræa** are unexcelled.

Bulbs secured from us will be subject to careful inspection and approval on arrival, and if in any way unsatisfactory, will be made good at once.

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 shipments and large importations supply half our profits.

Write for Prices before closing any forcing stock orders.

VAUGHAN'S SEED STORE,

14 Barclay St., New York.
84-86 Randolph St., Chicago.

THE

MRS. E. A. NELSON

bids fair to become the **Commercial** standard pink carnation. It is an early, free and continuous bloomer and it is sure to do well wherever grown. Orders booked now for delivery latter part of March. For prices, see AM. FLORIST, Feb. 15.

E. A. NELSON,

3503 N Senate Ave., INDIANAPOLIS, IND

Am. Beauties

ROOTED CUTTINGS

READY APRIL 1.

$25 00 PER 1000.

This stock is free from spot, thoroughly rooted and first class in every respect.

If not satisfactory or just as represented by us you can return same at once.

J. A. BUDLONG, 37 and 39 Randolph St., CHICAGO, ILL.

Watch This Space

FOR FUTURE BARGAINS.

JOHN BROD,

349 West North Avenue, CHICAGO, ILL.

Greenhouses, Niles Center, Ill.

CARNATION

CUTTINGS AND BLOOMS.

J. D. THOMPSON CARNATION CO.

JOLIET, ILLINOIS.

SPECIALTIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery,
CHRYSANTHEMUMS,
SMILAX, VIOLETS.

In Best Varieties

Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.

San Francisco.

EASTER BUSINESS HEAVIEST ON RECORD.—PRICES BETTER THAN USUAL —COMPARE THEM WITH EASTERN RATES.—VARIOUS NOTES.

Easter was the best in the history of the trade in this city. Business was almost double last year's record, notwithstanding the fact that prices were considerbly higher and lilies scarcer than ever. A liberal supply of roses was to be had, but in the line of carnations more could have been sold if they had been to be had. Pot plants were also in good demand, lilies being first, with azaleas a close second. Spiræas and tulips in pans, palms, lilies of the valley, primroses and Dutch hyacinths all sold well. Carnations brought from 35 cents to $1 a dozen, tea roses from 50 cents to $1.50. Beauties from $1 to $3, lilies $5 to $9 cut and $12 in pots, spiræas $1 to $2.50 a plant, tulips 50 cents per dozen and violets $1 per dozen bunches, callas $1 25 per hundred and azaleas from $1 to $3 per plant.

There is trouble about the joint flower show planned by the two local societies. Jealousies have arisen which threaten the success of the enterprise.

Henry Pottet has leased his place to Max Berry, of New York, who will continue on the latest eastern style.

GOLDEN GATE.

Dallas, Tex.

BUSINESS AT EASTER BREAKS ALL RECORDS—CUT FLOWERS CLEANED OUT, THEN FLOWERING PLANTS.

Easter trade in Dallas far surpassed everything in its history. The leading retail stores outside the flower trade all took on holiday dress and each tried to out-do the other. Many of the show windows of the dry goods and millinery stores were a grand sight with natural flowers and palms, with here and there a display of smilax among the Easter hats and summer goods. The flower stores were not in the least behind and all made a fine show. Cut flowers were in good supply but everything cleaned up long before closing time and late buyers had to take plants in bloom, which, too, were cleaned up by the eager purchasers, and at good prices.

The church decorations were all good, and not a church but made some kind of an effort at decoration.

LONE STAR.

All The Best CARNATIONS

Cressbrook (pink), Oriole (scarlet), Mrs. Nelson (pink), $1.50 per doz.; $10 per 100.

Mrs. Palmer (scarlet), Mrs. Higinbotham (salmon pink), Alba (large white), Stella (variegated). Dorothy Whitney (yellow), Apollo (scarlet), $2.00 per doz.; $12.00 per 100.

	Per 100	Per 1000
Estelle, Best Scarlet	$5.00	$40.00
Norway, Large White	5.00	45 00
Prosperity, Fancy	6 00	45.00
Queen Louise, White	5.00	45 00
Dorothy, Productive Pink	5.00	45.00
Morning Glory, Lt. Pink	2.50	20 00
Marquis, Largest Pink	2.50	20.00

Fine stock of rooted cuttings of above and twenty-five other kinds. Get our prices on what you need.

GEO. HANCOCK & SON,
GRAND HAVEN, MICH.

CARNATION CUTTINGS
Well Rooted, Clean Healthy Stock.

	Per 100	Per 1000		Per 100	Per 1000
PROSPERITY	$5.00	$35.00	FLORA HILL	$1.50	$ 9.00
NORWAY	4.00	35.00	WHITE CLOUD	1 50	9.00
LAWSON	3.50	30.00	TRIUMPH	1.50	9.00
CRANE	1.50	9 00	SPORT (Guardian Angel)	1.50	9.00
AMERICA	1.50	9.00	MARQUIS	1.50	9.00

QUEEN LOUISE, $4.50 per 100; $40.00 per 1000.

All Rooted Cuttings sold under express condition that if not satisfactory when received they are to be returned immediately, when money will be refunded.

WIETOR BROS., 51 WABASH AVENUE, CHICAGO.
Wholesale Growers of Cut Flowers.

CRESSBROOK. The coming Pink Carnation for everybody to grow.

Baltimore, Feb. 2t, 1901, it scored 94 Points, the highest of any seedling. Cressbrook has never shown disease of any kind and is an extra free bloomer. Size of flowers under ordinary culture, 3 to 3½ inches.

Orders will be delivered in rotation on and after Jan. 1, 1902, at the following prices:

12 plants	$ 1.50	250 plants	$25.00
25 plants	3.00	500 plants	37.50
50 plants	5.00	1000 plants	75.00
100 plants	10.00		

C. WARBURTON, FALL RIVER, MASS.

Cressbrook may be seen growing at

THE E. G. HILL CO'S., Richmond, Ind., and at WM. NICHOLSON'S, Framingham, Mass.

Carnation Cuttings...
Well rooted, from clean, healthy stock, cool grown.

	Per 100	Per 1000		Per 100	Per 1000
ROOSEVELT	$4.50	$40.00	EGYPT	$1.75	$15.00
PROSPERITY	3.50	30.00	GENEVIEVE LORD	1.25	10.00
NORWAY	3 50	30.00	WHITE CLOUD	1.25	10.00
LAWSON	3.50	30.00	TRIUMPH	1.25	10.00
LORNA	3.50	30.00	MME. CHAPMAN	1.25	9.00
MORNING GLORY	2.50	20.00	FLORA HILL	1.25	9.00
CRANE	1.50	12.50	PERU	1.25	9.00

VIOLETS—Imperial, Farquhar, Marie Louise, Lady Campbell and Swanley White. Write for prices on 2-in. pots. WE SOLICIT YOUR ORDERS AND WILL GUARANTEE SATISFACTION.

GRAND RAPIDS VIOLET CO., Grand Rapids, Mich.

3 Weeks Only.

	Per 100	Per 1000		Per 100	Per 1000
MERMAID, salmon pink	$3 00	$25.00	AMERICA, scarlet	$1.25	$10 00
CRANE, scarlet	1.50	12 50	CROCKER, pink	1.25	10.00
EVANSTON, red	1.25	10 00	GENEVIEVE LORD, pink	1.25	10 00
JOOST, pink	1 25	10.00	WM. SCOTT, pink	1.25	10 00
HILL, white	1 25	10 00	MARQUIS, light pink	1.25	10.00
ARGYLE, pink	1.25	10.00	WHITE CLOUD, white	1.25	10.00

The above are all transplanted Rooted Cuttings.

MITTING FLORAL CO., Loomis, Cal.

Carnation Floriana

We believe this to be the best pink carnation introduced to date, was disseminated in the spring of 1901 by originators, Messrs. Fillow & Banks. Price, $6.00 per 100; $50.00 per 1000. 50 at 100 rate. 500 at 1000 rate. Less than 50, 8c each.

DAILLEDOUZE BROS. Carnation and Chrysanthemum Specialists, FLATBUSH, BROOKLYN, N. Y.

CARNATIONS

ROOTED CUTTINGS.
Strong Healthy Stock.

The following at $12.00 per 100; $100.00 per 1000: Viola Allen, Stella, Alba, Jos. H. Manley, Mrs. Potter Palmer, Apollo, Harry Fenn, Dorothy Whitney.

The following at $10 00 per 100; $75.00 per 1000: Golden Beauty, Challenger; Mrs E. A. Nelson, Cressbrook, Gaiety.

The following at $6 00 per 100; $50.00 per 1000: Gov. Roosevelt, Prosperity, Lorna, Norway.

Queen Louise, $5 per 100; $40 per 1000.

Mrs. Lawson, $4.50 per 100; $40 per 1000.

Morning Glory and Mrs. G. M. Bradt, $3.00 per 100; $25.00 per 1000.

Lizzie McGowan and Wm. Scott, $1.50 per 100; $12 00 per 1000.

THE COTTAGE GARDENS,
QUEENS L. I., N. Y.

CARNATIONS

Well Rooted and Healthy.

	Per 100	Per 1000
PROSPERITY, white overlaid with pink	$6.00	$50.00
GOV. ROOSEVELT, crimson	6.00	50.00
QUEEN LOUISE, white	4.00	40.00
BON HOMME RICHARD, white	4.00	30 00
IRENE, pink	4.00	30.00
TRIUMPH, pink	2 00	15 00
WHITE CLOUD, white	2.00	15.00
THOS. W. LAWSON, pink	4.00	35.00
MARQUIS, pink	2 50	20.00
G. H CRANE, scarlet	2.00	15.00
AMERICA, scarlet	2.00	15 00
MRS. BRADT, variegated	2 50	20.00
GUARDIAN ANGEL	1.75	15.00

MICHAEL WINANDY,
DEVON AVE. AND NORTH ROBEY **CHICAGO.**

CARNATIONS

Rooted Cuttings of all the new 1902 and best standard varieties. Send for price list.

WILLIAM SWAYNE,
BOX 226. KENNETT SQUARE, PA.

Please mention the American Florist when writing.

DO YOU WANT of any kind? Look over our list in last week's paper and write us. Now is the time to order Geraniums (red, white, pink, Salmon, Ivy, Pelargoniums and Rose and Mme. Salleroi), Salvias, Heliotrope, Petunias, Coleus, Fuchsias, Sprengeri, Plumosus, Boston Ferns, Begonias, etc, etc. Write

ROSES

GEO. A. KUHL, PEKIN, ILL.

ROSES

Brides and **Bridesmaids,** 2½-in. pots at $15 per 100. Good clean stock and well rooted.

C. S. Foote, Downers Grove, Ill.

Mrs. Potter PALMER.

Certificated at Indianapolis, Montreal, St. Louis Chicago, Kansas City.

Absolutely the best scarlet carnation ever introduced. $12.00 per 100; $100.00 per 1000.

MRS. Higinbotham

Certificated at Indianapolis, Chicago, Kansas City, St Louis.

Promises to become the standard light pink; will stand in the same position as did Daybreak, ten years ago. $12.00 per 100; $100.00 per 1000.

CHICOT.

Large white faintly striped in midwinter; extremely fragrant; finest constitution; more profitable than any standard on our place last season and is doing even better now. $6.00 per 100; $50.00 per 1000.

YOUNG PLANTS.

		Per 100	Per 1000
C. H. CRANE,	Extra from soil,	$1 50	$12.50
JOOST,	" " "	1.50	12.50
NYDIA,	" " "	2.00	15.00
HOOSIER MAID,	" " "	1.50	
PROSPERITY,	" " "	4.00	30.00
NORWAY,	" " "	5.00	40.00
AVONDALE		1 50	12.50
GEN. GOMEZ		2 00	15.00
CROCKER		1.50	
ROOSEVELT		5.00	40.00

CRESSBROOK, (C. Warburton), fine pink, $10 per 100; $80 per 1000.

GAIETY, (Hill), variegated, $10 per 100; $75 per 1000.

GOV. WOLCOTT, (Fisher), white, $10 per 100; $80 per 1000.

Chicago Carnation Co.
JOLIET, ILL.

ROOTED CUTTINGS

CARNATIONS.

	Per 100	Per 1000
MRS. POTTER PALMER	$12.00	$100.00
MRS. HIGINBOTHAM	12.00	100.00
PROSPERITY	4.00	30.00
NORWAY	5 00	40.00
IRENE	3.00	25.00
MRS. LAWSON	3.00	25 00
MARQUIS	1.25	10.00
G. H. CRANE	1.25	10.00
FLORA HILL	1.25	10.00
MRS. JOOST	$1.00	$6.00
WHITE CLOUD	1.25	10.00
EVANSTON	1.00	6 00
MRS. INE	1.25	10 00
WM. SCOTT	1.00	6.00
GENEVIEVE LORD	1.25	10.00
ETHEL CROCKER	1.25	10.00
GUARDIAN ANGEL	1.25	10.00
ARGYLE	1.00	6.00
AMERICA	1.25	10.00

ROSES.

	Per 100	Per 1000
METEOR	$1 50	$12 50
PERLE	1.50	12.50
BRIDE	1.50	12.50
BRIDESMAID	$1.50	$12.50
GOLDEN GATE	1.50	12.50

ROSE PLANTS from 2½-in. pots.

	Per 100	Per 1000
METEOR	$3 00	$25 00
PERLE	3.00	25.00
BRIDE	3.00	25.00
BRIDESMAID	$3.00	$25 00
GOLDEN GATE	3 00	25.00
KAISERIN	3.00	25.00

The above named stock is clean, well rooted and free from disease.

GEO. REINBERG, 51 WABASH AVENUE, CHICAGO.

Carnation Cuttings

Perfectly Healthy. Propagated From Choice Stock. NOW READY.

Queen Louise.

The Best White Commercial Carnation, **$5.00** per Hundred; **$40.00** per Thousand.

	Per 100	Per 1000
PROSPERITY	$6.00	$50.00
MRS. THOS. LAWSON	4.00	35.00
GOV. ROOSEVELT	6 00	50.00
HOOSIER MAID	4.00	
IRENE	4.00	
NORWAY	4.00	
EGYPT	4.00	
MRS. BERTRAM LIPPINCOTT	3.00	25.00
MARQUIS	2.50	20.00
MRS. G. M. BRADT	3.00	
CHICAGO	3.00	
MACEO	2.00	
BUTTERCUP	4.00	
GOMEZ	$2.00	
CROCKER	1.50	$12.50
GENEVIEVE LORD	1.50	12.50
G. H CRANE	2.00	15.00
VICTOR	2.00	
WM. SCOTT	1.50	12.50
DAYBREAK	1.50	12.50
ELDORADO	1.50	12.50
JUBILEE	1.50	12.50
FLORA HILL	1.50	12.50
TRIUMPH	1.50	12.50
PORTIA	1.50	12.50
WHITE CLOUD	1.50	12.50

J. L. DILLON, Bloomsburg, Pa.

Cincinnati.

EVERY BRANCH OF THE BUSINESS SATISFIED WITH THE NET RESULTS FROM EASTER TRADE.—PRICES NOT HIGH BUT SUPPLIES LARGE AND DEMAND HEAVY.

Everyone is pleased with the amount of Easter business. There were plenty of flowers of all kinds with the exception of American Beauty roses and calla lilies. The prices realized were not as good as last Easter, but the volume of business done offset this; consequently the growers and storemen came out about the same as last Easter, from a financial standpoint. The flower market was loaded with fine plants and the number of people who passed through the building was immense. At times it was impossible to wait on customers so great was the jam. The florists who were fortunate enough to have stands on the outside of the building did a better business than those on the inside. It was a pleasure to look at some of the windows of the flower stores, as our store men tried to outdo each other.

Business has held up first rate since Easter and prices realized are about the same as last week, roses $4 to $8, carnations $2 to $6, callas $10, lilies $15, tulips $3 to $4, daffodils $3, valley, $3 to $4, violets 50 cents to $1 per hundred.

George & Allan had an immense cut of flowers for Easter and it took six men four days to pack all the flowers for shipment. This firm did a tremendous business and I understand their receipts were between $3,000 and $4,000 for the week.

D.

Nashville, Tenn.

GOOD WEATHER AND EXCELLENT STOCK MAKE EASTER BEST ON RECORD.

An ideal day and a superb stock of flowers made this one of the most successful of Easters. Good Friday was characterized by a steady and continuous down-pour, with no promise of a let up, but Saturday the sun came out genial and warm, and the florist who had felt a few hours before that disappointment was sure to be his, came out as genial as the sun and prepared for a hard day's work. By noon the beautifully decorated windows began to show the draft that had been made upon them, and by night nearly everything had been sold. There was an abundance of lilies, both plants and cut flowers, and plenty of roses. Prices were higher than last year.

M. C. DORRIS.

THE GRANDEST NEW FORCING ROSE

Souvenir de Pierre Notting

The Best, The Finest, The Most Free Blooming of all Forcing ROSES, color deep yellow; will be distributed for the first time April, 1902

—BY THE RAISERS—

SOUPERT & NOTTING,

ROSE GROWERS,

LUXEMBOURG, (Europe).

Net price, $80.00 per 100; $1.00 each. Write for lithographs.

The Sensational New Rose for 1902.

MRS. OLIVER AMES.

For description, prices, etc., see Trade List.

Henry A. Trask, Editor of "North American," says in a letter dated Feb. 19th, 1902. The box of roses arrived safely last Saturday afternoon. Please accept my thanks. To my mind they are the realization of the ideal. Yours very truly, H. A. TRASK. Editor.

$100.00 IS OFFERED IN PRIZES for Cut Flowers of this Rose at Madison Square Show next fall.

CHRYSANTHEMUMS Some new European varieties of sterling merit, the stock of which we control for the American Market, and also all the cream of last year's new European varieties, and all the New American varieties of this season's introduction; for those contemplating growing for the shows next fall the above will prove winners.

CARNATIONS All the New and Standard Varieties. My catalogue describing the above will be mailed to those not having received it, by sending a postal card to

JOHN N. MAY, Summit, N. J.

Ivory

or White Golden Gate.

Guaranteed TRUE STOCK

Strong plants out of 2-in. pots.

$6 00 PER 100.
27 50 PER 500.
50 00 PER 1000.

W. A. Hammond

107 E. Broad St., Richmond, Va.

ROSES DORMANT, Own Roots, Field Grown, Two years old. Our own growing. Best Hybrid Perpetuals. Crimson Ramblers and Mosses No. 1, $8; No. 1½, $6; No. 2, $3.50.

GOOD CONDITION GUARANTEED. WRITE FOR PRICE LIST.

W. F. HEIKES, Manager, 3019 NORTH BROADWAY, ST. LOUIS, MO.

Boston Ferns

Fine, strong, young plants, $3.00 per 100; $27.50 per 1000.

Edwin Lonsdale, Wyndmoor, Cheatnut Hill, Pa.

Orchids!

Our Illustrated and Descriptive Catalogue of Orchids is now ready and may be had upon application.

LAGER & HURRELL, SUMMIT, N. J.

Orchid Growers and Importers.

American Florists Ads

Always do business,
Week days and every day
Sundays and holidays,
All over the country,
At home and abroad.

Alternantheras P. MAJOR and A. NANA.....

Strong rooted cuttings, 50cts. per 100, or $4.00 per 1000.

DAVIS BROS., MORRISON, ILL.

Please mention the American Florist when writing.

Dreer's Offer of Hardy Vines and Climbers.

AMPELOPSIS VEITCHII.

	Per doz.	Per 100
Strong 2-year old plants	$1.25	$10.00
Extra select, 2-year old plants	1.50	12.00

ARISTOLOCHIA SIPHO.

Strong long vines, extra heavy, per doz.....$3.00

CLEMATIS PANICULATA.

	Per doz.	Per 100.	Per 1000
Strong one year old	$ .75	$6.00	$ 0.00
" two "	1.00	8.00	70.00
" three "	2.00	15.00	

CLEMATIS LARGE FLOWERED VARIETIES.

Strong two-year old plants of the following popular sorts. Boskoop Seedling, Duchess of Edinburgh, Fairy Queen, Gypsy Queen Henryi, Jackmani M. Koster, Mme Baron Veillard Mme Van Houtte, Miss Bateman, Standishi, The Gem and The President, $3.00 per doz; $25.00 per 100.

HARDY ENGLISH IVIES.

An extra fine lot of bushy plants in 4 in. pots, 3 ft. high 3 to 5 shoots, $1.25 per dozen; $10 per 100.

CLIMBING HYDRANGEA.

SCHIZOPHRAGMA HYDRANGEOIDES—A limited lot of extra strong plants established in tubs, 3 to 4 feet high, which will produce an immediate effect, $1.50 each.

WISTARIA SINENSIS.

Strong 3 year old plants, Blue, $3.00 per dozen; White, $3.50 per dozen.

A Few Leaders in

HARDY PERENNIALS.

For the most complete list and largest stock offered in this country, see our current Trade List. With few exceptions all the varieties offered below are suitable for cut-flower purposes.

	Per doz	Per 100
Anemone Japonica.....2¼-inch pots,	.75	$5.00
" " Alba 2¼ " "	.75	5.00
" Lady Ardilaun 2¼ " "	.75	5.00
" Whirlwind ..2¼ " "	.75	5.00
" Queen Charlotte 2¼ " "	.75	6.00
Asters, Hardy, 10 choice varieties, strong divisions	1.00	8.00
Boltonia Asteroides, strong plants	.75	6.00
Boltonia Latisquama, " "	.75	6.00
Caryopteris Mastacanthus, 3-in pots	.75	6.00
Chrysanthemum Hardy Pompon 2¼-inch pots	.50	3.00
Chrysanthemum Maximum Triumph, 3-inch pots	.75	6.00
Chrysanthemum Maximum Filiformis, 3-inch pots	.75	6.00
Clematis Davidiana, strong 1-year-old clumps	75	6.00
Clematis Recta, 2-year old plants	1.00	12.00
Coreopsis Lanceolata Grandiflora strong 3-inch pots	.60	4.00
Coreopsis Lanceolata Grandiflora large clumps	.75	6.00
Dictamnus Fraxinella, strong plants	1.00	8.00
" " Alba " "	1.25	10.00
Dielytra Spectabilis " roots	.75	6.00
Euphorbia Corolata	.60	4.00
Gaillardia Grandiflora, strong 3-in. pots	.75	6.00
" " " 4 "	1.00	8.00
Gypsophila Paniculata, strong 1-yr-old	.75	6.00
Helenium Autumnale Superba strong divisions	1.00	8.00
Helenium Grandicephalum Striatum strong divisions	.75	6.00
Helenium Hoopesi, strong divisions	1.00	8.00
" Pumilum .....3-in. pots	1.00	8.00
Helianthus Multiflorus flore pleno, 2¼-inch pots	.75	6.00
Helianthus Multiflorus Maximus, 2¼-inch pots	.75	6.00
Heliopsis Pitcherianus, strong divisions	.75	6.00
" Scaber Major " "	.75	6.00
Heuchera Sanguinea, 3-inch pots	1.00	8.00
Iris Kæmpferi, 25 choice named vars.	1.25	10.00
" Germanica 10 " " "	.75	6.00
Physostegia Virginica .....3-in. pots	.75	6.00
" " Alba " "	.75	6.00
Pyrethrum Uliginosum, strong plants	1.00	8.00
Primula Veris Superba " "	1.25	10.00
Rudbeckia Golden Glow strong division	.50	4.00
" Newmaoi " "	.75	6.00
" Purpurea " plants	1.00	8.00
" Subtomentosa " "	.75	6.00
" Triloba, 3-inch pots	.75	6.00
Salvia Azurea Grandiflora, strong plants	1.00	8.00
Scabiosa Caucasica.....strong plants	1.00	8.00
" " Alba " "	1.25	10.00
Stokesia Cyanea " "	1.25	10.00
Tritoma Pfitzeri " "	1.00	8.00
Veronica Longifolia Subsessilis 2¼-inch pots	.75	6.00

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

SPLENDID STOCK FOR EARLY PLANTING.....

3½-inch Bridesmaids, $5.00 per 100; $45.00 per 1,000. Rooted Cuttings, Brides and Bridesmaids $1.50 per 100. Cash please.

ALBERT F. AMLING, Maywood, Ill.

BEGONIA GLOIRE DE LORRAINE,

2¼-inch pots, $15.00 per 100.

Write for prices on large lots. Stock guaranteed absolutely free from disease.

THOMAS ROLAND, Nahant, Mass.

Please mention the American Florist when writing.

500,000 VERBENAS.

60 finest named varieties, including our **NEW MAMMOTH WHITE, "MRS. McKINLEY."** The finest white verbena grown; perfectly healthy; free from disease. Rooted cuttings, 60c per 100; $5.00 per 1000. Plants, $2.50 per 100; $20.00 per 1000. Our list is the choice of millions of seedlings. Send for circular.

J. L. DILLON, BLOOMSBURG, PA.

ROSES Crimson Rambler Climbing Clothilde Soupert.

Ramblers, 3 to 4½ ft., well branched...$10 per 100
" 2½ to 3 ft., " " ... 8 per 100
" 1½ to 2½ ft., " " ... 6 per 100
Soupert, strong field-grown plants..... 15 per 100

The Conard & Jones Co, West Grove, Pa.

Please mention the American Florist when writing.

CARNATION CUTTINGS

All the new and standard varieties, free from rust and all other diseases. Our stock is in fine shape and all cuttings are well rooted when sent out.

	Per 100	Per 1000
HIGINBOTHAM	$12.00	$100.00
MRS. POTTER PALMER	12.00	100.00
PROSPERITY	4.00	30.00
NORWAY	5.00	40.00
IRENE	3.00	25.00
LAWSON	3.00	25.00
BON HOMME RICHARD	3.00	25.00
HOOSIER MAID	3.00	25.00
CRANE	1.25	10.00
THE MARQUIS	1.25	10.00
GENEVIEVE LORD	1.25	10.00
ARGYLE	1.00	7.50
GUARDIAN ANGEL	1.25	10.00
FRANCES JOOST	$ 1.00	$ 7.50
CERISE QUEEN	1.00	7.50
TRIUMPH	1.25	10.00
FLORA HILL	1.25	10.00
WHITE CLOUD	1.00	8.00
PERU	1.00	7.50
AMERICA	1.25	10.00
MRS. L. INE	1.50	12.50
MRS. BRADT	1.75	15.00
ARMAZINDY	1.25	10.00
EVANSTON	1.00	7.50
ESTELLE	5.00	40.00

ROSE PLANTS.

2¼-in. pots.	Per 100	Per 1000
BRIDESMAID	$3.00	$25.00
BRIDE	3.00	25.00
METEOR	3.00	25.00
PERLE	$3.00	$25.00
GOLDEN GATE	3.00	25.00
LIBERTY	12.00	100.00

ROOTED ROSE CUTTINGS.

	Per 100	Per 1000
BRIDESMAID	$1.50	$12.50
BRIDE	1.50	12.50
GOLDEN GATE	$1.50	$12.50
PERLE	1.50	12.50

All Plants and Rooted Cuttings sold under express conditions that if not satisfactory when received they are to be returned immediately, when money will be refunded.

Write for prices on large quantities.

Peter Reinberg, 51 Wabash Ave., Chicago

Please mention the American Florist when writing.

Toronto.

CLOUDS CLEAR AWAY FROM THE EASTER SKIES AND STOCK IS WELL CLEARED OUT.—AGGREGATE OF SALES A LITTLE AHEAD OF LAST YEAR.—CUT FLOWERS AND BLOOMING PLANTS ON EQUAL FOOTING.

All the florists are rejoicing over the Easter business. Saturday morning brought rain and hearts were heavy, but towards noon the sun shone and the rush began. The aggregate of sales was about twelve per cent higher than last year. Probably never before at Easter has there been better stock. Roses, except Beauties, were plentiful and, though selects sold at $4 per dozen, most of the others went at $3. Carnations were not over-plentiful, but some splendid fancies were seen. A few Prosperity realized $2 per dozen but the general price was $1.50 per dozen for selects and $1 for ordinary stock Lily of the valley was much in demand at $1 per dozen and violets sold at $3 per dozen. Bulbous stock was not much in demand, but lilies brought 25 cents each in the good stores. In plants we have never had a better variety and most of them sold at good prices. Crimson Ramblers were scarce but azaleas, lilacs, spiræas, rhododendrons, hydrangeas and pot lilies all sold well. Genistas were not wanted.

The stores never looked better. Dunlop had a very pretty window of two specimen Bougainvillea Sanderiana, a large vase of cymbidiums and lily of the valley. Tidy had some very select roses and plant baskets in his window, while his conservatory and store were well stocked with good plants.

W. Jay & Son had a nice display of plants and cut flowers. Their greenhouse at the end of the store was a splendid sight. J Simmons and W. J. Lawrence had nice stock.

Thos. Plumb's new store looked well and for the short time he has been in it, is making rapid progress. H. G. D.

California Carnations.

Our cuttings are rooted without fire heat and are strong, hardy and well rooted. They are so far superior in every way to cuttings rooted by fire heat that they should not be mentioned in the same connection. We guarantee safe arrival and satisfaction.

	Per 100	Per 1000
QUEEN LOUISE, white	$4.00	$30.00
MERMAID, fine salmon pink	3 00	20.00
G. H. CRANE, scarlet	1.50	12.00
MRS. F. JOOST, fine pink	1.00	8 00

Giant of California Pansy Plants, 50c per 100; $2.50 per 1,000. Giant of California, transplanted plants, $5 per 1000—100 sent at 1000 rates.

TERMS CASH WITH ORDER.

THE LOOMIS FLORAL CO.,
LOOMIS, CALIFORNIA.

GERANIUMS All the best varieties, extra fine plants. S. A. Nutt, Marvel, Grant, F. Perkins, Mme Jaulin, La Favorite, Hill, etc., 2¼-in., $2.00 per 100 3-in. $3.00 per 100; 4-inch in bud or bloom $5 00 per 100 **PANSIES**, extra fine plants from cold frame coming in bud $1.00 per 100; $8.00 per 1000. **VERBENAS**, 60 per 100; $4.50 per 1000. **DOUBLE DAISIES**, large plants 75c per 100; $5.00 per 1000.
HILL TOP GREENHOUSES,
15-16 Gray Ave., UTICA, N. Y.

Orders booked now for my new Fern,
"NEPHROLEPIS FOSTERIANNA,"
Anna Foster.
Kentia, any quantity, 6-in., 30-in., $1 00 each. R. C Coleus, mixed, 50 cents per 100; Verschaffeltii, G Bedder, 75 cents per 100. Dracæna ludivisa, 6-in., $50 00 per 100. Geraniums in bloom for Easter.
L. H. FOSTER, 45 King St., Dorchester, Mass.

We like to have you tell our advertisers that you read our paper.

Geraniums, Carnations, Palms, Etc.

	Per 100
CARNATIONS, 2¼-in. pot plants.	
Marquis	$3.00
Ethel Crocker	2.50
California Gold	2 50
Crane	2.00
Joost	2 00
Mary Wood	2.50
White Cloud	2.00
GERANIUMS, S. A. Nutt, Mme. Barney, Richelieu, La Favorite, John Doyle, Mme. Charles Molin and Beaute Poitevine, $30.00 per 1000	
Jean Viaud	5.00
Marquis de Castellaine	6.00
Set of 4 New Beauts for	.60
Set of 8 New Doubles for	1.50
In good assortment, our choice of varieties, $27.50 per 1000	
ROSE GERANIUMS, strong	2.50
CANNAS, all the standard varieties, strong roots	2 50
PRIMULA FORBESI	3 00
HELIOTROPES, six varieties	2.00
SELAGINELLA Emiliana	2.00
FUCHSIAS, in good assortment of varieties, 2¼-in. pots	$2.50
Areca Lutescens, 2½-in. pots, $30.00 per 100	4.00
Areca Lutescens, 3-in. pots	8.00
Areca Lutescens, 4-in. pots., 3 plants in a pot	20.00
Kentia Belmoreana, 2½-in. pots	7 00
Kentia Belmoreana, 3 in. pots	15 00
Latania Borbonica, 2½-in. pots	3.00
Latania Borbonica, 3-in. pot, $10 per 1000	5 00
Pandanus Utilis, 2½-in. pots	5.00
Pandanus Utilis, 4 in pots	15.00
Pandanus Veitchii, 4-in. pots, $6.00 per doz.	
ASPARAGUS PLUMOSUS, 2½-in.	4 00
ASPARAGUS SPRENGERI, strong, 2½-in.	2 00
ASPARAGUS SPRENGERI, strong, 3-in.	3.00
SPIRAEAS, Nana Compacta. Astilboides, Floribunda and Japonica at	3.50
AZALEA MOLLIS, fine for Easter	35.00
TUBEROUS ROOTED BEGONIAS, single, separate colors	3.00
TUBEROUS ROOTED BEGONIAS, double, separate colors	6.00
GLOXINIAS	4.00

The Storrs & Harrison Co.
PAINESVILLE, OHIO.

ARECA LUTESCENS, per doz.—4-in., $3; 5-in. $5; 6-in., $9.
KENTIA BELMOREANA, per doz.—4-in, $4; 5-in., $9; 6-in., $18.
KENTIA FORSTERIANA, per doz.—4-in., $4; 5-in., $9; 6-in., $15.
LATANIA BORBONICA, per doz.—4-in., $3; 5-in., $5; 6-in., $9; 7 in $18; 8-in., $24.
FICUS ELASTICA, 6-in., $9 per doz.
ARALIA SIEBOLDII, 5-in., $4 per doz.; 6-in., $6 per doz.
PANDANUS VEITCHII, per doz —5-in., $12; 6-in, $18; 8-in., $36.
NEPHROLEPIS BOSTONIENSIS, runners, $30 per 1000; 2-in, $4 per 100; 8-in., $15 per doz. **NEPHROLEPIS WITTBOLDII**, fine specimens from 8-in. pots, $15 per doz.
ASPARAGUS PLUMOSUS NANUS, from seed bench, $25 per 1000; 2 in., $4 per 100; 3 in., $8 per 100.
FERNS FOR DISHES, Etc., $4 per 100.
FERN BALLS, well furnished with leaves, $5 per doz.

The GEO. WITTBOLD CO.
1657 Buckingham Pl., Chicago.

WELL GROWN ROSES
Beautiful Young Stock, breaking at every eye. Will make Large Plants Early.....

	100	1000
Bridesmaids, Brides, 2x3 rose pots	$2.50	$22.50
Maids, Brides, Gates, rooted cuttings	1.50	12.00
Perle, rooted cuttings	2.00	15.00

All Select Two and Three-Eye Cuttings.

Carnations. Marquis, Jubilee, Flora Hill, $1.25 per 100; Scott, $1.
W. H. GULLETT & SONS, Lincoln, Ill.

A. W. SMITH'S MOON VINES,
IPOMOEA NOCTIFLORA.
Now ready. Earliest moon vine grown, flowers pure white, look like wax and large as a saucer. I have a full supply of these vines which are ever in great demand 2½-in. pots, $5 00, 4-in. pots ready May 1, from $8.00 to $10.00 per 100.
GODFREY ASCHMANN,
1012 ONTARIO ST. PHILADELPHIA.

Double GERANIUMS
Gen. Grant, La Favorite, S. A. Nutt E G. Hill and Frances Perkins, 4-inch, in bud and bloom, $5 00 per 100; $40.00 per 1000.
FUCHSIAS, double and single, 4-in., $5 per 100.
HELIOTROPE, 4-inch, $5.00 per 100.
PANSIES, the very best strain, 50c per 100 by mail; $3.00 per 1000 by express.
MAMMOTH VERBENAS, 60c per 100 by mail; $4.50 per 1000 by express **WHITTON & SONS,**
City and Green Sts., UTICA, N. Y.

Please mention the American Florist when writing.

Baby Primroses
(PRIMULA FORBESI).
Rooted Cuttings; 75c per 100, $6.00 per 1000; out of 4-in. pots in full bloom, $1.00 per doz. Cash please.
HENRY EICHHOLZ, Waynesboro, Pa.

BOBBINK & ATKINS,
Plant and Bulb Merchants,
RUTHERFORD, N. J.

Pansy and Vegetable Plants.
Cabbage, Lettuce and Pansy plants ready after April 1. Tomato, Pepper, Celery and Cauliflower ready May 1. These are stocky transplanted plants from best seed obtainable; hardened off in cold frames. For prices write
FRANK SHEARER & SON.,
Gardeners, BINGHAMTON, N. Y.

Roses Brides, Maids and Golden Gates. 2¼ inch stock in fine condition. $2.25 per 100; $18 per 1000. Ready for delivery.
West View Floral Co., Knightstown, Ind.

ROOTED CARNATION CUTTINGS.

Why not get the Best? They are the Cheapest.

You don't have to buy 200 to have 100 fit to plant out, when planting time comes. For every 100 we send, you have 101 when ready to plant. We have the finest and largest stock of NORWAY and ESTELLE in the country. Stock marked (*), now ready in flats. ☞Send us a list of your wants for special prices on large lots.

	Per 100	Per 1000
Flora Hill	$1.75	$15.00
*General Maceo	1.75	15.00
*Mrs. F. Joost	1.75	15.00
*White Cloud	1.75	15.00
*Wm. Scott	1.75	15.00
*America	1.75	15.00
Daybreak	1.75	15.00
*Ethel Crocker	1.75	15.00
*G. H. Crane	2.50	20.00
*Triumph	2.00	18.00
Guardian Angel	1.75	15.00
*Genevieve Lord	2.00	15.00
*Marquis	2.00	17.50
*Mrs. G. M. Bradt	2.50	20.00
*Chicago	3.50	30.00
Gold Nugget	3.50	30.00
*Morning Glory	3.00	25.00
*Lorna	5.00	40.00
*Mrs. T. W. Lawson	5.00	40.00
*Queen Louise	5.00	45.00
*Norway	4.50	40.00
Prosperity	6.00	50.00
*Governor Roosevelt	6.00	50.00
*Estelle	6.00	50.00
Dorothy	6.00	50.00
*Cressbrook	10.00	75.00
Enquirer	12.00	100.00
Mrs. Potter Palmer	12.00	100.00
*Mrs. Higinbotham	12.00	100.00
Mrs. E. A. Nelson	10.00	80.00

CANNAS.

Strong, Dormant, Two Eyed Roots.

	Per 100	Per 1000
Allemania	$3.00	$25.00
Burbank	3.00	25.00
Exp. Cramphell	3.00	25.00
Florence Vaughan	4.00	35.00
Mdlle. Berat	3.00	25.00
Paul Marquant	3.00	25.00
Prea. Carnot	2.50	20.00
Mixed all colors	1.75	10.00

Largest stock in United States of other choice cannas true to name. Write for prices.

BOSTON FERNS.

In pans, grown the way you like them, full, bushy, compact stock, ready for your counter trade.

	Each	Doz.	100
12-inch pans	$4.00	$40.00	
10-inch pans	3.00	30.00	
9-inch pans	2.00	20.00	
8-inch pans	1.50	15.00	
7-inch pans	1.00	10.00	
6-inch pans	.75	8.00	$60.00
5-inch pans	.50	5.00	40.00
4-inch pots		2.50	20.00
3-inch pots		1.50	10.00
2½-inch pots		.60	5.00

ASPARAGUS PLUMOSUS NANUS.

Fine bushy stock in large quantity.

	Doz.	100	1000
5-inch pots	$4.00	$30.00	
4-inch pots	2.00	15.00	
3-inch pots	1.00	8.00	$70.00
2½-inch pots	.60	5.00	40.00

ARAUCARIA EXCELSA. A Big Bargain.

5-inch pots, 18 to 20 inches high, 4 to 6 whorls, each, 75c; dozen, $9.00.

FICUS ELASTICA (Rubber Plant).

7-inch pots, 36 inches high, very fine stock, $9.00 per dozen.

PHŒNIX CANARIENSIS.

Fine bushy plants, 8-inch pots, 36 inches high, each, $2.50; dozen, $24.00.

GREENHOUSES: WESTERN SPRINGS, ILL.

VAUGHAN'S SEED STORE, 84-86 RANDOLPH ST., CHICAGO. 14 BARCLAY ST., NEW YORK.

IMPATIENS THE QUEEN

This variety we now offer for the first time, it being far ahead of any cheap blooming house plant that we know of. A grand plant for out-of-town florists.

Flowers 1¼ to 1½ inches in diameter, color a delicate satiny pink with bright carmine eye, center of petals faintly tinged with white, wonderfully profuse and of the easiest culture. Price, 2-inch pot plants, $1.50 per doz.; $10 00 per 100.

CENTRAL MICHIGAN NURSERY, Kalamazoo, Mich.

GIANT SWEET

ALYSSUM

$1 per 100; $8 per 1000.

ASTERS,

Vick's best, separate colors, great big strong plants from soil, 60c per 100; $5.00 per 1000.

CANDYTUFT,

from soil, 50c per 100; $4.00 per 1000. Express paid.

C. Humfeld, Clay Center, Kas.

What You want and where to Get it.

BRIDE and BRIDESMAID ROSES, 2¼-in. pots, extra fine, ready for 3-in., $3.25 per 100; $30 per 1000. Dbl. Grant, S. A Nutt, Murkland and dbl. deep pink Geraniums, 3 in. pots, $5.00 per 100.

AGERATUM, German Ivy, Golden Bedder and assorted Coleus, 2-in. pots, $1.50 per 100.

ALTERNANTHERA, 2 varieties, (red and yellow), 2-in. pots, $1.50 per 100.

VINCA VARIEGATA, 2-in., $2.00 per 100.

Rooted cuttings, **ALTERNANTHERA,** 55c per 100; $5 per 1000. Golden Bedder, Verschaffeltii, Coleus, 60c per 100. Assorted Coleus, 55c per 100.

Case with Order.

R. I. HART, HACKETTSTOWN, N. J.

CANNAS Burbank, Henderson, Mme. Crozy, F. Vaughan, P. Marquant, L. E. Bally, A. Bouvier, J. C. Vaughan, Ezandale, Souv. de Antoine Crozy in variety, started, $2.50 per 100.

ALTERNANTHERAS P. Major, red, R. C., 60c, postpaid. Pot plants, red, yellow, pink, $2.00 per 100.

BOSTON FERN 2½-inch, 3c; 3-inch, 8c; 8-inch, $1.00.

Begonias, flowering, in variety, 2½-in., 2½c.

Russelia Multiflora and Elegantissima, 2½-in. 4c.

Vinca Major, strong, fine runners, 2-in., 3c. Cash.

A. J. BALDWIN, NEWARK, OHIO.

Dahlias

Mrs. Winters

THE WORLD'S BEST WHITE DAHLIA.

Novelties and Standard varieties. 18 yrs'. experience and have failed of no prize competed for.

See my catalogue before placing your order. Also fine field-grown Hollyhocks at $2.50 per 100. Cannas, Paeonias and Hardy Plants. Cheap mixtures are dear; get the best.

W. W. WILMORE, The Dahlia Specialist, Box 382, DENVER, COLO.

100,000 Pansies.

The Jennings' Strain, extra fine plants, all transplanted, many are fringed and curled, strong plants, $4.00 per 1000, express; 75c per 100 mail. Large plants, $1.00 per 100. Fine cold frame plants in bud and bloom, now ready, $1.50 per 100; $7.50 per 500; $15 00 per 1000, by express only. Stock the finest. Grown in cool houses. Cash.

E. B. JENNINGS, Lock Box 254, Southport, Conn.

Grower of the Finest Pansies.

CHRYSANTHEMUMS

are our SPECIALTY.

We also offer a complete list of

Carnations, Cannas, Pelargoniums,

Etc. Send for Catalogue.

Nathan Smith & Son, Adrain, Mich.

Violets My Specialty

Good strong rooted runners of Princess of Wales and La France at $3 per 1000; $25 per 10,000; now ready. Also Tree Violets in 2½-in. pots and 8 to 12 inches high, ready May 1st, at $5 per 100.

Orders booked now. Cash with order.

FD. BOULON, SEA CLIFF, L.I.

ROOTED CUTTINGS

Estelle, $5.00; Lawson, $4.00; Marquis and Elm City, $2.00; Crocker and Lord, $1.00 per 100. Other varieties on application.

Genistas, bushy plants for Easter, 6-in. pots, $4.50 per doz.

DANA R. HERRON, OLEAN, N. Y.

100,000 GIANT PANSIES

Best strain, strong plants, all transplanted and grown cool, 50c per 100; $4.00 per 1000. Express prepaid.

ASTERS, Hohenzollern, pure white, delicate rose and red (Roemer's), last year novelty, grandest aster to date. Mammoth size, 7 inches across, double to center, resembling a large Japanese chrysanthemum, unsurpassed for cutting or bedding, plants branching, with strong stems 18 to 20 inches long, 75c per 100; $6.00 per 1000.

Queen of the Market, white, red, pink and mixed.

Florists' Upright Branching, outer petals recurved, center petals incurved, superb cut flower, pure white, daybreak pink, fiery scarlet and lavender.

Late Branching or Semple's, white, rose pink, lavender, red and mixed.

All the above are the best money makers for florists, strong, healthy plants, assorted to suit, 50c per 100; $4.00 per 1000. Express prepaid for cash with order.

DES MOINES PLANT CO.,

38th St., Des Moines, Iowa.

BUCKBEE'S FANCY PANSY PLANTS.

Extra fine stocky September plants, transplanted and wintered in cold frames, now in bud and bloom, **$1.50 per 100, $10 per 1000.**

H. W. BUCKBEE,

Rockford Seed Farms, Forest City Greenhouses, ROCKFORD, ILL.

PANSIES....

Giant Trimardeau, 50c per 100 by mail; $3 per 1000 by express. Giant Mme. Perrel, $4 per 1000; 60c per 100. Strong—wintered in cold frames.

J. P. FRYER, 10211 UNION AVE CHICAGO, ILL.

ROBT. CRAIG & SON,

Roses, Palms

and Novelties in Decorative Plants,

Market and 49th Sts., Philadelphia, Pa.

St. Paul.

PLANT TRADE TAKES THE LEAD AT EASTER. —CUT FLOWER BUSINESS BIG BUT SHOWS NO INCREASE.—VARIOUS NOTES.

This was essentially a plant Easter and everything in that line sold, from the modest hyacinth at 25 cents per pot to azaleas at $15 each. But the lily is the queen of Easter plants and proved her right to the title by outselling all others, prices ranging up to $3 and $5 each. Hybrid roses and Crimson Ramblers also sold at sight. In cut flowers there was no appreciable increase in sales over last season, though there was a heavy demand for stock all the week. In roses Meteor and Liberty seemed to be in greatest demand, showing red to be as much of an Easter color as white was a few years ago. Carnations were good sellers, while violets were eagerly sought after by all buyers. Murillo tulips well done were great sellers. In cut flowers the home supply was wholly inadequate. Large consignments were sent in from Chicago, Milwaukee, Joliet and Council Bluffs. One large consignment of carnations received by Holm & Olson was asleep when it arrived. While full reports are not yet in I think it safe to announce that this year's sales were fully fifteen per cent larger than last year.

One department store handled cut flowers, or rather one florist did business through a department store, but sales were not encouraging. FELIX.

SPECIAL April OFFER

GERANIUMS.

To reduce our stock of 100,000 plants at once, we will fill orders for the following strictly high grade varieties, true to name and first-class in every respect: extra strong top cuttings, well rooted, ready for 2½-inch pots, $1.50 per 100; $14.00 per 1000; In Variety—S. A. Nutt (best crimson bedder), E. G. Hill, F. Perkins, Beaute Poitevine, Mme. Bruant, Dutchess of Orleans, La Favorite, J. M. Garr, Snow Drift, Thos. Meehan, Alphonse Riccard, L. P. Morton, Athlete, J. J. Harrison, E. Kelway, Mme. Jaulin.

Double Fringed Petunias, our superb collection of ten novelties, extra strong rooted cuttings, $1.00 per 100; $9.00 per 1000.

Smilax, strong seedlings ready for 2-inch pots, 50c per 100; $4.00 per 1000.

CASH WITH ORDER.

The W. T. Buckley Plant Co., Springfield, Ill.

FERNS For Spring Potting.

100,000 Choicest Ferns, strong, in flats, at 1c; $10 per 1000 by express, in ten sorts; sample 100 mailed for $1.25. Safe arrival guaranteed. Have sent every year, for several years, to California, Canada and all other states in perfect condition. Plants fill a 2½-inch pot at once. Adiantum Pubescens, Pteris, Nephrodium, Lomaria, Lygodium, Polystichum, Anemia, etc., etc. Also same sorts in 2½-inch pots, fit to shift on, $3 per 100; $25 per 1000. **Boston Fern**, strong 2½-inch, $3 per 100; $25 per 1000. **Nephrolepis Philippensis**, 2½-in, $3 per 100. **Clematis Paniculata**, seedlings, 100 mailed $1; $5 per 1000 by express.

JOHN H. LEY, Good Hope, Washington, D. C.

VIOLET Plants

5000 Marie Louise, good healthy stock, price $1.25 per 100; $10.00 per 1000.

Cauliflower Dwarf Erfurt,

Transplanted from flats, 75c per 100.
CASH WITH ORDER.

A. R. KNOWLES, Bloomington, Ill.

JOSEPH HEACOCK,

Wyncote, Pa., Grower of

Palms and Am. Beauty Roses.

ROOTED CUTTING LIST

NOW READY FOR SHIPMENT.

	Per 100	Per 1000
Marguerites	$ .75	$ 6.00
Heliotrope, 4 varieties	.60	5.00
English Ivy	2.00	18.00
Pyrethrum, double white	1.00	8.00
Achyranthes, 4 varieties	1.00	8.00
Salvia, 4 varieties	.60	5.50
Ageratum, 6 varieties	.60	5.00
Alternanthera, 4 varieties	.75	6.00
Fuchsias, 3 varieties	1.25	10.00
Abutilons, 12 varieties	2.00	18.00
Coleus, 75 varieties, named	.75	6.00
" not named	.60	5.00
" Verschaffeltii, red	.60	4.50
" " golden	.60	4.50
Coleus, Golden Bedder	.60	4.50
" Brilliancy	8 00	

Boston Ferns Strong, bushy, well grown stock for immediate shipment.

	Per 100	Per 1000
2¼-inch pots	$2.50	$22.00
2½-inch pots	3.00	28.00
3 -inch pots	6.00	55.00

PTERIS TREMULA, 2¼-inch pots, per 100, $2.00; 2½-in. pots, per 100, $3.00; 3-in. pots, per 100, $5.

For list of varieties see AMERICAN FLORIST of Nov. 9. If wanted by mail add 15c per 100. Samples by mail 25c.

CHRYSANTHEMUMS W. H. Lincoln, Jerome Jones, Golden Wedding, Philadelphia, Ivory, Thornden, Pres. Smith, Minnie Wanamaker, Louis Boehmer, Maud Dean, Viviand-Morel, Bajor Bonnaffon, G. W. Childs, Mme. Bergmann, Glory of Pacific, J. G. Whilldin. Rooted cuttings, grand stuff, $1.25 per 100; $10.00 per 1000.

☞ All the above sold on the positive guarantee of their being first-class, if not, your money at once refunded.

Having to rebuild our greenhouses this season the following stock is in our way at the start. If you want any speak quick: Asparagus Plumosus, 3-year, from bed, fine clumps, $18.00 per 100. Kentias, 2½-inch, very fine, $5.00 per 100. Roses—Ulrich Brunner, 2-year old, pot grown, have just cut a crop of flowers from them. Can now be safely shaken out, grand stock either for next year's forcing or stock plants, own roots, $12.00 per 100. Paul Neyron, same as above, $12.00 per 100. Aspidistra Var. 4 inch, 15c each. Kentia Seedlings, from flats, 1-year, $3.50 per 100. Geranium Mrs. Pollock and Happy Thought, 1 and 2-year stock, plants from bench, $5.00 per 100. English Ivy, fall propagated, very fine, $1.25 per 100, $10.00 per 1,000. Poinsettia 1-year dormant, $3.00 per 100. Cannas, dry roots, Bouvier, Vaughan, Egandale, Crozy, Burbank, $1.50 per 100. Dracæna Indivisa, 5, 6 and 7-inch pots, 20 to 36 inches high, perfect plants, assorted sizes, $25.00 per 100.

JOHN IRVINE & SONS, Bay City, Mich.

A Discount of 50% on Wittboldii Ferns

FOR 30 DAYS ONLY.

2½-inch, $5.00; 3-inch, $8.00; 4-inch, $12.00; 5-inch, $20 per 100. Bench plants, $3 to $8 per 100. Good for 10-inch pots, 50 cts. each.

THESE ARE JUST WHAT YOU WANT FOR EASTER.

CASH PLEASE. **A. J. BALDWIN, Newark, Ohio.**

GERANIUMS

	Per 100
16 fine varieties, 2½-inch pots	$3.00
16 fine varieties, 3-inch pots	4.00
500 Asparagus Sprengeri, 2-inch pots	2.00
Coleus, 15 varieties, 2-inch pots	2.00
Verbenas, 2-inch pots	2 00
Vinca Var., 2-inch pots	2.50
Large Pansy Plants	1.50

CASH OR C. O. D.

J. H. CUNNINGHAM, Delaware, O.

TO MAKE ROOM I OFFER

150 Kentia Belmoreana,	2¼-in	$5.00 per 100
400 " "	3-in	10.00 per 100
200 " "	4-in., 2d size	15 00 per 100
100 Latania Borbonica,	3-in	5.00 per 100
100 Pandanus Utilis,	2¼-in	4.00 per 100
75 " "	3-in	8.00 per 100
400 Selaginella Emmeliana,	2¼-in	3.00 per 100

All healthy stock. Cash with order.

JOSEPH E. BONSALL, SALEM, OHIO.

VIOLETS

Rooted cuttings of Marie Louise, Lady Campbell, Swanley White and Imperial, 2¼-in. pots, $3.00 per 100; $25.00 per 1000.

CARNATIONS, rooted cuttings.
SEND FOR CATALOGUE.

CRABB & HUNTER, Grand Rapids, Mich.

Please mention the American Florist when writing.

GERANIUMS ready for immediate delivery.

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BUSINESS AT EASTER VERY SATISFACTORY. —PLANT TRADE MAKING INROADS ON THE CUT FLOWER BUSINESS. — VIOLETS IN GREATEST DEMAND.

As if with one voice the florists of this city say that it was the best Easter in their experience. Trade was heavy during the first days of the week and the retailers generally were prepared for it with a stock of flowering plants far in excess of that of previous years, with the one exception of Easter lilies, the stock of which seemed to diminish quickly as Saturday approached. On that day the weather was fine and willing buyers thronged the stores. The most notable feature of the day's plant trade was the eagerness with which lilies were sought and the stock of them may be said to have been nearly exhausted in most places as early as noon. Azaleas sold well and pans and pots of bulbous stock moved very satisfactorily, with the possible exception of daffodils. There were some fine plants of Crimson Rambler which found ready sale. Novelties in arrangements were little attempted but Porto Rican mats and the improved florists' crepe paper and a moderate use of ribbon played a prominent part in making the various plants attractive and few higher priced plants were sold without these adornments. The anticipated scarcity of roses and carnations the first days of the week was more feared than developments warranted, as the stock was quite equal to the demand, but no surplus was heard of. Violets were fine and in sufficient quantity to meet the demand, which was very good, and with this single exception it may be said that the cut flower trade suffered some to the plain advantage of the pot plant trade.

The club meeting, Wednesday evening, was but meagerly attended, the essayist appointed for the evening not appearing. The time was spent in a general review of the Easter trade, and hearing the report of Messrs. Beard, Dunn and Taylor, of their recent trip to Grand Rapids.

J. F. S.

St. Louis.

RETAILERS HAVE BEST WEEK IN MANY YEARS AND WHOLESALE CUT FLOWER TRADE IS ACTIVE. — PLANT BUSINESS TAKES THE LEAD.

The Easter trade was the best that St. Louis retail stores have seen in quite a number of years. The plant trade, especially, was good, and all good roses and carnations that could be obtained were sold at a good price. Belleville's Easter trade was very good, as was that in the neighborhood of Kirkwood. Stock at Easter was fairly good but there were few of the extra grades and quite a little of pickled material was seen. Violets were very good, but many of them were soft and carnations were inclined to be sleepy. The wholesale prices were maintained for several days after Easter as stock was just enough to supply the demand, but there was, and is still an over-supply of bulbous stock and lily of the valley.

Easter lilies were not up to the standard of former years and some were very poor. They brought from $12.50 to $18 per hundred. Callas were very fine and were sold at from $10 to $18 a hundred.

Azaleas and Dutch hyacinths were the principal plants sold. A large number of rhododendrons were also handled.

R. J. M.

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The best and cheapest of insecticides. Our supply is fresh, strong, clean and unadulterated. Price, per 100 lbs., $1.00; 1,000 lbs., $7.50; ton, $14.00; sacks included and f. o. b. cars here.
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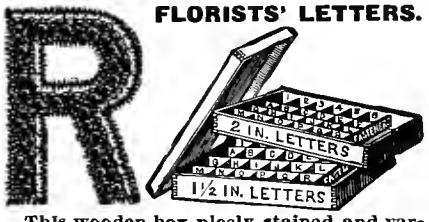

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WATERPROOF Corner Lock Style.

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Minneapolis.

TRADE HEAVY RIGHT THROUGH EASTER WEEK.—ROSES ALMOST THE ONLY SHORTAGE.—GOOD WINDOW DISPLAYS.

Easter week was exceedingly busy and trade pursued a rapid pace right through. Stock in general was good, although some pickled material was received and a few shipments were refused, as goods were old and useless, which is a very provoking matter to the consumer, especially at the holidays. Roses were the scarcest article on the market, while carnations seemed about sufficient to meet demand. Roses commanded a maximum price of $9, few being sold at less than $6 per hundred. Carnations brought from $3 to $5. Harrisii sold for 25 cents a flower. Other bulbous stock went readily, both in pots and as cut flowers. Violets were scarce and a fancy price was received. There was a good plant trade.

Some of the prettiest window displays seen in this city for a long while were observed last week in the stores of Wm. Donaldson & Company, A. S. Swanson, E. Nagel & Company, Wessling, Mendenhall and a number of others. Some of the choicest blooming plants, lilies, azaleas, hybrid roses, rhododendrons and cinerarias were in each display and credit should be given those whose good taste was shown in the arrangement.

C. F. R.

Tarrytown, N. Y.

HORTICULTURAL SOCIETY HOLDS AN INTERESTING SESSION.—FALL SHOW PLANNED.

President Wm. Scott presided at the meeting of the Tarrytown Horticultural Society, March 27. It was decided to incorporate the society. The fourth annual exhibition will be held November 11 to 13 and schedules were distributed. It was decided that a silver medal be offered for the best decorative plant not yet in commerce. Cooke & McCord donated $25 for a special prize.

The exhibit of the evening was from Alex. E Hogg and consisted of fine vases of American Beauty, Golden Gate and Sunset roses, and several varieties of carnations. Honorable mention was awarded.

A dozen honorary members were elected and the names of several more proposed. An essay on "Rose Culture Under Glass," was read by Percy Whitney and discussion followed. H. J. R.

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USE THE THADEN
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On Roses, Carnations and Pot Plants.

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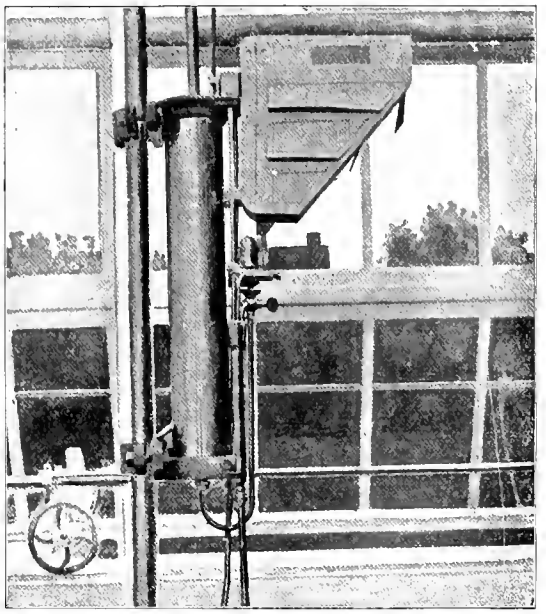

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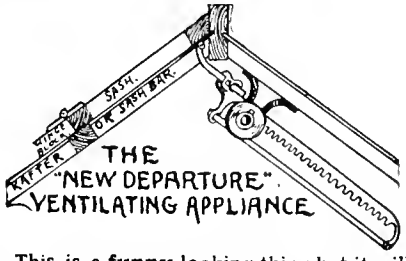
CHESTER, PA.—Carl Shaler was recently released from the Norristown asylum but acted so strangely, although not violently, that he was sent back to the institution.



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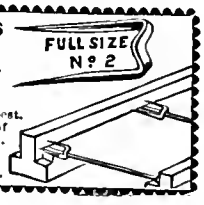

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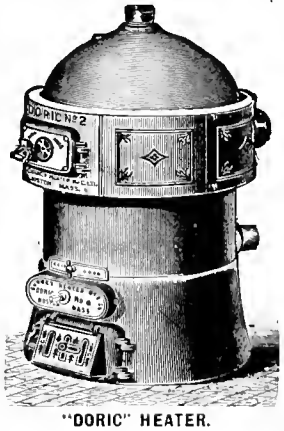

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Vol. XVIII. **CHICAGO AND NEW YORK, APRIL 12, 1902.** **No. 723.**

THE AMERICAN FLORIST

SEVENTEENTH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

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Annual convention at Brooklyn, N. Y., February, 1903. ALBERT M. HERR, Lancaster, Pa., secretary.

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Annual meeting at Asheville, N. C., August, 1902. Edwin Lonsdale, Chestnut Hill, Pa., Sec'y.

AMERICAN ROSE SOCIETY.

Annual meeting at call of executive committee, LEONARD BARRON, 136 Liberty St., New York, secretary.

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The Sterilization of Soil.

In the edition of the AMERICAN FLORIST for March 15, I notice an article on sterilization by "B." Your correspondent is correct in stating that my paper and talk was "from the standpoint of the lettuce grower, *i. e.*, the man who farms under glass." I fully agree with the writer in regard to what he says about going to unnecessary expense in the treatment or prevention of diseases when there are cheaper methods in vogue. I have known for many years that freezing will kill the parasitic nematode or eel worm (Heterodera radicicola, Mull.) when done thoroughly, although I have seen instances where cucumber growers had attempted to apply this remedy in their houses and failed because the treatment or freezing was probably not thorough enough when applied under glass. This led me to advocate a more absolute remedy, *viz.*, sterilization, especially in those instances where the soil is not changed and where the expense of renewal is considerable. It should be remembered that in the growing of such crops as lettuce and cucumbers the same soil generally remains in the house for years and is enriched with large amounts of manure after each crop. I know of instances where the same soil has been used for growing lettuce for twenty years and the grower held the idea, which I believe is correct, that it takes time to develop a good lettuce soil.

Since it is not desirable in every instance to remove the soil from a house and freeze it in order to kill eel worms it is practicable to sterilize. A skilled lettuce and cucumber grower informed me what it cost him to remove the soil in his house to the depth of one foot and replace it with new, and from his figures I estimated that it cost him $37 50 per 1,000 cubic feet, and I know of instances where the cost has exceeded this. The same grower sterilized his house by the rather clumsy tile method three years ago for $16 per 1,000 cubic feet. This house had ground beds and was utilized for lettuce and cucumbers and sterilization was for soil fungi and eel worms.

With perforated iron pipe W. W. Rawson, of Arlington, Mass., who has a large experience in sterilizing, claims it cost him $50 to treat a house 40x300 feet, which would not be more than $4.16 per 1,000 cubic feet. Mr. Rawson sterilized for the drop and so forth.

Both of these methods of sterilizing require considerable shoveling, which amounts to about seventy per cent of the cost of treatment. G. M. D. Sargent, however, makes use of a method which does not require any shoveling of the soil. His sterilizer is constructed in the form of a harrow with ¾-inch perforated teeth one foot in length. This apparatus is about 4x8 feet in size and by loosening the soil with a fork it is easily thrust into it. Mr. Sargent sterilized a house 45x160 feet with two men in three days. Estimating the labor at $1 50 per day, together with the amount of coal burned, it would equal $2.60 per 1,000 cubic feet. This estimate includes the cost of labor, including a fireman, and the amount of coal burned is based on the extra amount it required to heat the additional water employed in sterilizing, assuming the boiler is already in operation. Also 1,000 cubic feet of soil is deducted from this house, which is utilized for walks, etc. As a matter of fact the boiler required little more attention than when ordinarily employed for heating the house, as a constant supply of water and steam was maintained with no difficulty. This house had ground beds and was devoted to lettuce and the sterilization was for the purpose of eliminating soil fungi. Assuming that the work was done when the boiler was not in operation the expense would be at the rate of $3.46 per 1,000 cubic feet.

I consider this estimate one of the lowest yet obtained as applied to a whole house. Where the soil is removed in a house every year, as is frequently the case in florists' establishments, then the method of freezing the soil as recommended by your correspondent would be the cheapest and most efficient remedy for eel worms in northern latitudes. But since freezing fails to kill various fungi, for the control of which I have also recommended sterilization, we cannot resort to the freezing method of treatment in every instance.

In any method of treatment care should be taken in starting plants in uninfected soil, or the desired object would not be obtained, as your correspondent rightly infers. A great deal can be gained in many instances by starting the plants in sterilized soil and not attempting to treat the whole house. Such treatment accelerates germination and development of plants and is a prevention for certain kinds of damping off. The amount of soil needed for this purpose and the cost of treating the same would be in most cases insignificant. Some tobacco growers in the Connecticut valley have adopted this practice in starting their seedlings.

We have no estimate of the cost of sterilizing soils in benches but will quote a few obtained from lettuce and cucumber growers who have made use of different methods and appliances: Six houses, 36x300 feet were sterilized at the rate of $5.92 per 1,000 cubic feet; one house 40x30 feet at the rate of $8.33; one house 30x200 at the rate of $11.86; one house 23x200 at the rate of $5.00, and one house 80x250 feet at the rate of $8.56.

In the latter instance part of this soil was sterilized twice, which perhaps added one-fourth to the cost. All of these houses were treated at a time when the greenhouse was not heated for crop production and the amount and cost of coal is included.

The variation in the price per 1,000 cubic feet is due largely to the use of different methods and appliances. The cost of treating the house 80x250 feet, was $150. In this instance soft coal was burned at $5 per ton and the cost of the same equaled sixty-six per cent of the total expense of treatment. The amount and cost of coal also varies with the methods used. From some reliable estimates which we have obtained we find that the cost of coal is from $1 35 to $2.83 per 1,000 cubic foot of soil when the boiler is used exclusively for sterilizing, and is not in use for heating the house. In the latter instance the cost would be less, as only the extra amount of coal burned would have to be taken into consideration.

The writer is well aware that methods of treatment are sometimes utilized without regard to any particular purpose. Our aim has been to recommend this method of treatment only where we knew there is something to be gained. The thousands of healthy plants which we have seen growing in greenhouses, where before sterilization there was nothing but decay and loss, together with the amount of money which has been saved to the grower by this process, is sufficient evidence of its practicability when applied for specific purposes.

GEORGE E. STONE.

The Foster Fern.

Of the several new forms of the Boston fern now before the public, L. H. Foster, of Dorchester, Mass , has one of the most unusual. This is a sport of the Boston fern, discovered by Mr. Foster in November, 1900, in a bench of the older variety, with which he has long been noted for his excellent success. The accompanying illustration is from a photograph of a plant in a 12-inch pot and will give a general idea of the habit of growth. The frond was illustrated in this journal in October, 1901. The spread of the plant shown in the present picture is over eight feet. The long, graceful fronds are described as unrolling indefinitely. The pinnæ unwind as in the main frond and Mr. Foster says that he has not yet a plant which has reached its full development, although he has plants in which the older pinnæ are over a foot in length, making the fronds over two feet wide, the plant concealing the pot entirely from view. Mr. Foster is preparing to introduce this novelty to the trade next fall and thinks that it can have no better endorsement than the praises it receives whenever a woman sees it. He joins with many others in the opinion that the ladies are the ones best qualified to judge and a new thing which meets with their instant approval he thinks is assured of commercial success. As a house plant this variety possesses all the attributes of its parent. Mr. Foster has bestowed upon it the name of Nephrolepis exaltata, "Anna Foster." It was given a certificate of merit at the Boston Co-operative Flower Growers' exhibition March 8, and by the Massachusetts Horticultural Society at its spring exhibition, March 19.

NEPHROLEPIS EXALTATA "ANNA FOSTER" IN A 12-INCH POT.

Retailers' Profits.

Misrepresentation and wrong conceptions of the florist and his art, in the daily press and elsewhere, have done more damage to the industry generally than any other agency. Before us lies a clipping from the *Union*, of Springfield, Mass., under date of March 25 in which the reporter, basing his conclusions on the erratic statements of some local florist, undertakes to scare the flower buyer from investing in Easter floral gifts by asserting that all material is scarce and prices will be advanced fifty per cent. That every sane florist who reads the screed knows it to be a lie does not help the situation; the mischief is done. Thus we find the florist his own worst enemy, furnishing the sensation-loving reporter with the means to do him and his profession an irreparable injury. Equally culpable is the grower who, dissatisfied with the legitimate compensations of his industry as realized through the best wholesale channels which the ingenuity and enterprise of the times have evolved, seeks to bring about a breach between the people who spend their money for flowers and the retail people whose interests are his own interests. In this connection the following letter, received under date of April 1, 1902, will no doubt prove interesting:

ED. AM. FLORIST: I write you on a subject which I think will interest you and the trade in general.

For years from time to time it has been remarked that the retail dealer has made all the money made in the florist business; in fact it is generally understood that his sales are mostly profit, no consideration having apparently ever been given to the expense of carrying on a large establishment. Consequently the retailer has been censured for what the flower-buying public term "robbing" and no matter how reasonable flowers might be at times I have known purchasers to complain and have often wondered what it meant but have now for the first time in twenty-two years had an opportunity to find out.

I sat at a fashionable dinner table a few nights ago, and on my left sat a gentleman whom I had never met before. He was very intelligent and during the meal we conversed on almost every subject until he was attracted by the centerpiece of flowers which was composed of American Beauty roses. "What a beautiful lot of roses," he remarked, and I said, "Yes." Not knowing me he said: "They are Americans and fine ones and they must have cost a fortune," to which I again replied "Yes," and, while it was very bad form to discuss this subject at this time, I politely asked him what he thought they had cost, to which he responded that at the rate a friend of his had paid for some in Boston last

A VIEW IN THE FAMOUS GROUNDS AT DONNER'S PARK, NEAR HAMBURG GERMANY.

week, this centerpiece must have cost at least $20.00 on an estimate of $10 per dozen, and that the man who furnished it must have made about $150 on it. I said that it was impossible, to which he replied: "No it is not, for I will tell you what these florists do. This friend of mine bought a dozen American Beauties and paid $10 for them, and the husband of the lady who received them, who, it appears, grows roses for pleasure (and gain) happened to meet the donor a few days after and told him it was lovely of him to buy flowers for his wife but that he was 'sending coals to Newcastle,' as he grew roses himself, when the sender remarked: 'Had I known that in time I could have saved $10.' The gentleman grower for pleasure remarked: 'Oh, the robbers. They only paid me 6 cents apiece for them,' thus giving the buyer at once the impression that he had actually been robbed."

Now this little circumstance throws light upon the peculiar methods of some growers of whom we have representatives in this vicinity who from time to time come to town, and, meeting flower-buyers, tell them yarns about getting 6 cents for American Beauties but not stating the length of stem or other qualities and also forget to relate how they demand and get from 50 cents to 75 cents for what a retail man has to sell again at a close margin. CHARLES THORLEY.

Lemoine's Hybrid Deutzias.

There have been notes in this paper from the originators, Lemoine & Sons, Nancy, France, covering this subject but it may interest some readers to have an account of the behavior of these deutzias as forcing plants in America.

Last December one each of the following varieties was potted, and came into bloom in the order given: D gracilis rosea started to bloom about the first week in February, but D Lemoinei Boule de Neige was only just at its best at the beginning of the second week in March, and at that date D. gracilis rosea still carried some good flowers.

D. gracilis rosea has the same habit as D. gracilis. It is free flowering, the exterior of the flowers light pink, interior slightly rose tinted.

D. gracilis campanulata is a stronger grower than D. gracilis. Free flowering, the flowers are pure white, nearly half an inch in diameter and cup shaped.

D. gracilis venusta is more upright in habit than D. gracilis. Very free flowering, the flowers are pure white, nearly as large as those of D. gracilis campanulata. The petals are extra broad, giving the flowers the appearance of miniature azaleas.

D. discolor grandiflora is more upright in habit than D gracilis and very free flowering. The flowers are of good size, slightly tinted rose.

D. Lemoinei compacta has sturdy, upright habit and is very free flowering. The flowers are pure white, the inflorescences compact and rounded.

D Lemoinei Boule de Neige is of upright habit and a much stronger grower than either D. Lemoinei or D. Lemoinei compacta. It is very free flowering, the flowers cream-white, inflorescences compact and rounded.

Of the D. Lemoinei hybrids, Boule de Neige is the best. Both the individual flowers and the inflorescences are larger than either D. Lemoinei or D. Lemonei compacta. Of the D. gracilis hybrids D. gracilis campanulata is the best, although D gracilis venusta is very good. D. discolor grandiflora has the same petaloid filaments to the stamens as D. discolor purpurascens, but is not so distinct in color. D. Lemoinei, D. Lemoinei compacta and D. Lemoinei Boule de Neige are all hybrids of D. gracilis and D. parviflora. D. gracilis rosea, D. gracilis venusta and D. gracilis campanulata, are all hybrids of D. gracilis and D. discolor purpurascens. D. discolor grandiflora is a hybrid of D. discolor purpurascens and D. gracilis.

The shrubs used were two years old, from the ground. After potting, about the first week in December, they were kept quite cool, under a greenhouse bench, for four weeks, then brought into a temperature of about 50° to 55° at night and 60° to 65° in the day. If they had been kept cooler as soon as they were in bloom they would have lasted, in good condition, much longer. We have not fully tested their hardiness in the open ground, but I think there is not much doubt as to hardiness in this section, Massachusetts. D corymbiflora and D. discolor purpurascens were not hardy here. R. M.

A Famous German Garden.

When the ocean traveler, bound for Hamburg, after entering the mouth of the river Elbe at Cuxhaven and passing Brunshausen, Hamburg's station for her big ocean greyhounds, follows the lines of the river banks with his eyes, he will notice that the aspect of the country gradually changes from the generally low, flat formation to a more interesting and cheerful character. At Blanksnese the shores draw in closer and the left bank rises to a natural elevation extending all the way up to Hamburg. He discovers along the crest, amid masses of trees, stately mansions, with wide vine-clad piazzas. Spacious lawns dotted with splendid old specimen trees and clumps of shrubbery alternate with densely wooded sections. It is here that the elite of Hamburg have their beautiful homes. Here

are the old, well-known parks of Baur, Hesse and Wright, here is Ruecker-Jenisch of orchid fame, but the most imposing of the many country seats along the Elb-Chaussee is doubtless Donner's Park, the estate of Frau Etatsraetin Donner.

To visit this park we enter through the main gate, on the Flottbecker Chaussee, and call on Garteninspector Theodor Reimers, the general superintendent. It is a stalwart horticulturist we meet, always ready to cordially receive those whom real interest and not mere idle curiosity induce to inspect the grounds. He leads us through his orchards, noted for their large collections of fancy fruit trees, grown in all forms and shapes. Here we see skillful and careful trimming and cultivating amply rewarded by heavy burdens of faultless fruit. We are shown some of the model graperies for which Hamburg has a world-wide reputation, and the herb and flower garden adjacent is another feature of interest. Dahlias with such an abundance of perfect flowers, from July until the frost sets in, command admiration, but also, by their whole appearance, give convincing evidence that the climate on the banks of the Elbe is decidedly more favorable to them than the summers on the shores of the Delaware and Hudson.

After descending a steep, densely wooded declivity we reach the hothouse department. It is only the desire to keep within the limits of a single article that causes me to refrain from going into details as to the splendid collections of orchids, nepenthes, sarracenias, palms and rare stove plants. May it suffice to say that whenever Hamburg prepares her horticultural exhibitions, no difference if local, national, or international, it is always greeted with keen satisfaction when Mr. Reimers announces his intention to appear with the treasures of Donner's Park. As a matter of course he never leaves the field of honor without a due share of prizes.

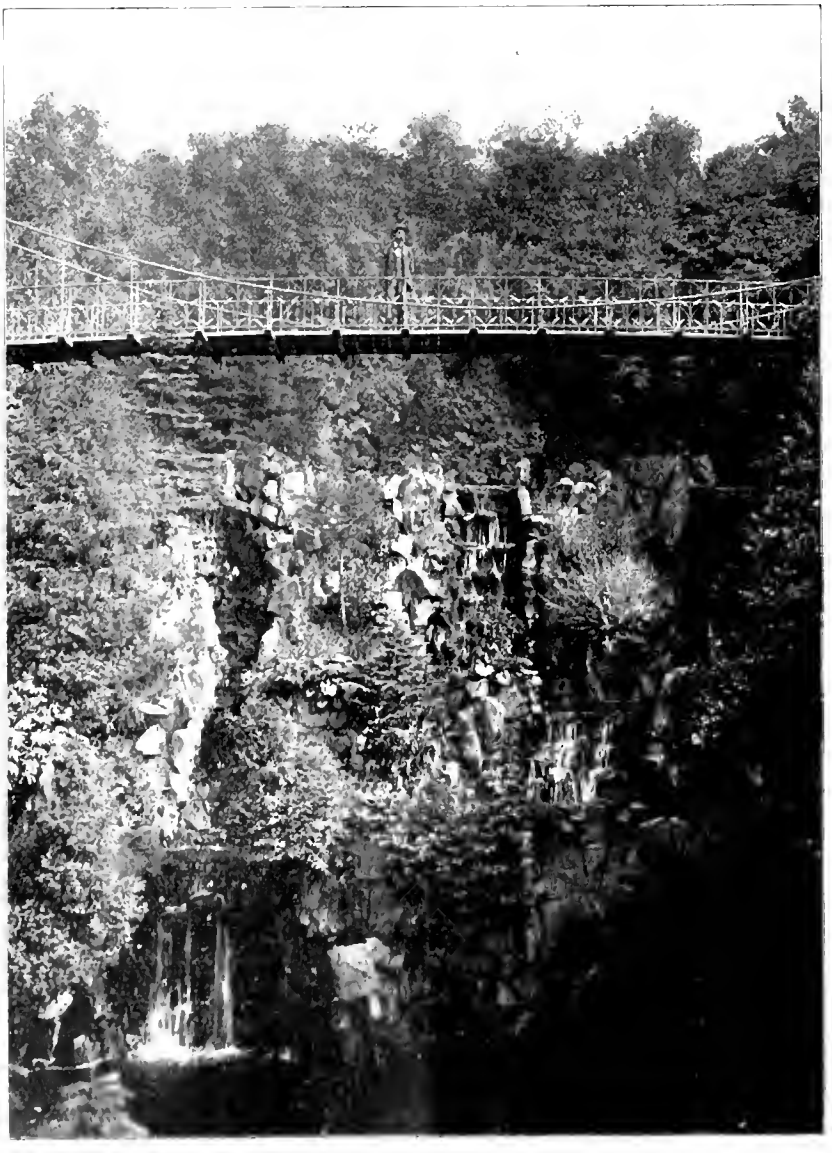
There are from eight to ten trained assistants employed in the numerous greenhouses and, needless to say, the rare opportunity for young gardeners to broaden their knowledge is a strong attraction to seek engagement and profit by the guidance of Mr. Riemers, who with pride tells us how many of his disciples occupy prominent positions all over Europe and even abroad. While engaged in an interesting talk with our host, we have taken the direction towards Villa Donner and are just crossing a creek connecting two large ponds, when curiosity is aroused by a frail looking suspension bridge on the opposite side. Here Mr. Reimers, omitting our inquiry, turns into a walk along the shady edge of the pond. From the small island yonder white swans take to the water and with mighty strokes plow over to investigate if there is prospect of getting the customary tribute, but as soon as the meanness of the strangers becomes evident, steer toward the remotest section, thoroughly disgusted.

Walking around some trees at the next bend we find ourselves suddenly in front of the object of our former curiosity. Yet pond and bridge, while attracting a visitor to this section, only serve to make the waiting surprise complete. Stepping on the bridge our eyes dwell upon the most unexpected and for this reason not less bewitching scene. We gaze into a deep abyss. The walls of stalactite and crude stones are partly covered with moss and ferns. Here and there we see a shrub or a dwarf tree, endeavoring to take a foothold between huge rocks, and over the ledge, from the pond above, several streams of clear water are rustling down into a large pool-like basin. There is an instant of utter amazement after which we turn to Mr. Reimers who has watched us with no little joy. "Yes, it is all artificial work and entirely designed and executed by myself," and as we are walking down to the base of this masterpiece of landscape art he begins to eulogize the liberality of Frau Etatsraetin Donner, which enabled him to carry out his plans.

Villa Donner is a castle-like, gothic structure of considerable extent. With its wide, high terraces, facing the river Elbe and its elaborate, gothic flower parterre, the place outrivals many of the various princely residences of Germany. Speaking of the grounds at large, the thoughtful distribution of light and shade and the thoroughly artistic and frequently highly picturesque formation of the scenery is impressive. The age and consequently full effectiveness of the arborescence further tend to make Donner's Park a true object of study for the landscape gardener.

Hamburg in general is famed for its beautiful suburban homes. Harvestehude, Uhlenhorst and, in fact, the whole section around the tussen Alster is noted for its model gardens. But fair as a view upon the swan-enlivened, glittering Alster sheet may be, it becomes insignificant when compared with the grandeur of the lower Elbe. The old Hamburg patricians were well aware of the advantages of the location when settling on those elevated banks. Here, from a distance just wide enough to make the noise unobtrusive, generations have enjoyed the grand, ever changing picture offered by the traffic on the channel to one of the world's first seaports. And again, those old, magnificent mansions, in their proud repose, environed by artistically moulded pleasure grounds have taught the world's travelers of the wealth and the refined and highly cultured taste of Hamburg's great financiers. The Elb-Chaussee certainly is one of those sections the old Hansa city may be justly proud of.

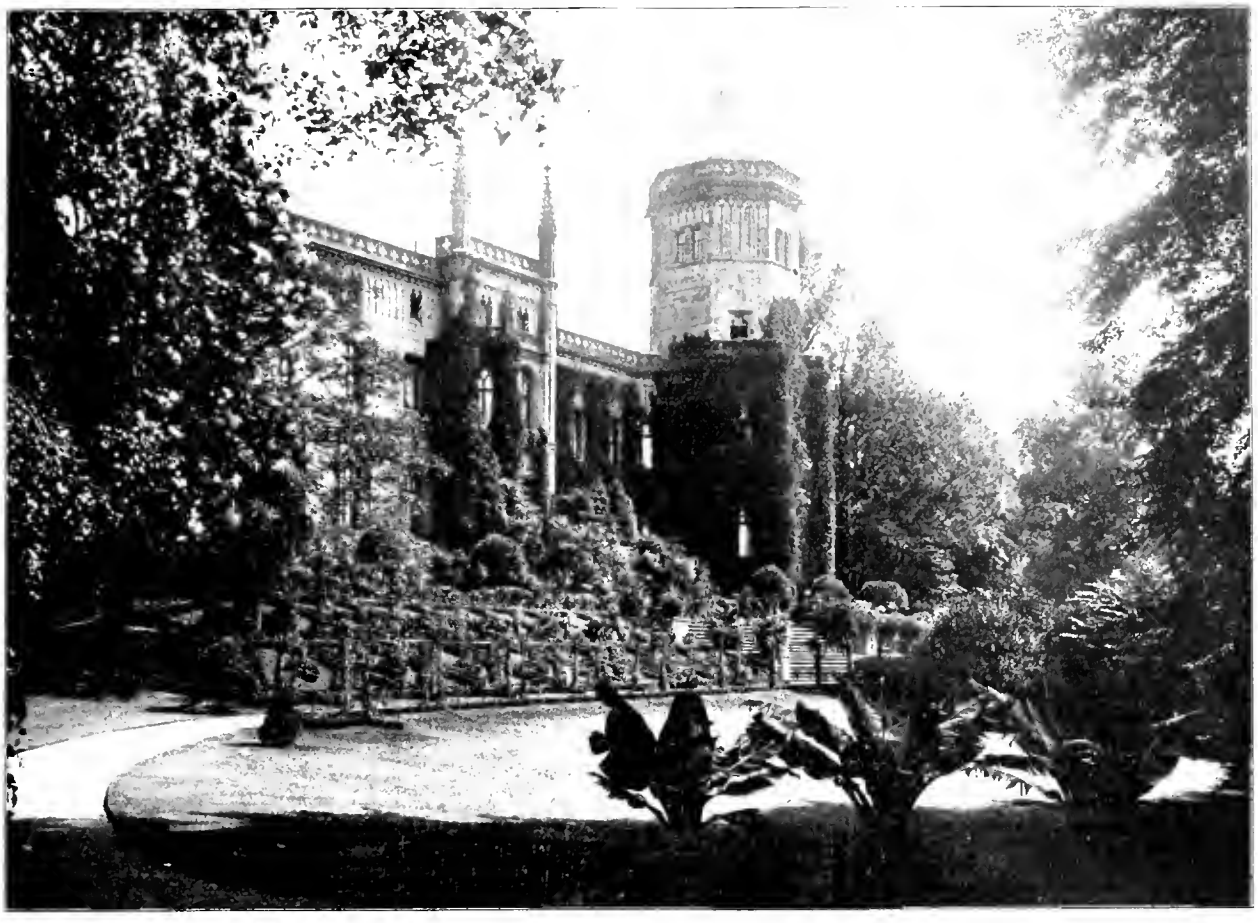
RICHARD ROTHE.



ARTIFICIAL WATERFALL AT DONNER'S PARK, NEAR HAMBURG., GERMANY.

LAWRENCE, MASS.—A. H. Wagland has removed the Halley greenhouses recently purchased by him to the corner of Broadway and Whitman street.

QUINCY, MICH.—A. B. Cole has sold his greenhouses and stock to Van Aken Brothers, of Coldwater, and has made a year's contract with that firm for his services. The houses will be removed and re-erected at Coldwater.



VILLA DONNER AND THE FORMAL GARDEN, DONNER'S PARK, NEAR HAMBURG, GERMANY.

CHRYSANTHEMUMS.

PROPAGATING.

All stock plants from which you intend taking cuttings for the coming season should be in a good light house and kept free from insects. Tobacco dust will keep down aphis, black or green. If your stock is in a house you do not fumigate, a light dusting of air-slaked lime once or twice a week will keep slugs or wood lice from eating the young shoots, if you are among the unfortunates who are troubled with these pests. Plants kept over in pots or those planted in boxes, from the beds last fall, are all right. With all decayed leaves and weeds cleaned off and put on a light bench plants stored close together in boxes over winter, will give a fine lot of cuttings.

New varieties or ones you are short on should be rooted at once and planted out in a warm house as soon as well rooted in a 2-inch pot. In this way you can get up a good stock from a very few plants, and the plants so treated will make good pot plants for commercial purposes after you have taken what cuttings you want. The time for taking cuttings depends a good deal on the varieties and purposes for which they are wanted. April 1 is right for exhibition flowers of most sorts. Short-jointed, hard-wooded varieties can be propagated a month earlier. Fitzwygram, the earliest white and yellow we have, should be propagated in March, as it is necessary to use the crown bud in July to get the best results. Other early varieties for commercial flowers can be put in the sand from April 1 to May 15, according to the growth of the different varieties and size of flowers wanted. Free growing midseason and late varieties can be started in June and July and will produce good flowers.

Do not put in weak or unhealthy cuttings. A good start is as necessary with the free growing chrysanthemum as with other plants. Chrysanthemums will root quickly in an ordinary propagating house at this season of the year. Finely sifted coal ashes make an excellent material for rooting chrysanthemums and will keep the cuttings in good shape longer than sand if you are pressed for time or room, which will delay potting off after the cuttings are rooted.

REDNAX.

SPECIMEN PLANTS.

Specimen chrysanthemums should now be in 6-inch or 7-inch pots. Ours are in "sixes." As to whether we shall repot them before making the final shift into the blooming size depends upon press of work, but if we were in the business of exhibiting we should certainly shift them. At any rate, if "twelves" are intended, it would be better to give them a month or so, in "sevens." If it were practical I would even advise another shift, into "nines," before the final one.

Some of the best plants I have ever grown have been indifferent at this stage. They were intended originally for specimens, but, not being considered good enough when making the final selection, were potted into "nines," for decorative purposes. They made neat plants, and being scarce colors, we found it necessary to give them special attention, and they were transferred to larger pots even as late as August. They took hold quickly, and made fine specimens Such as these almost always break well and hold their foliage better than those that have been longer in larger sized pots. Owing to their enormous vitality, and the ease with which they may be handled, most wonderful results have been attained by those who have time to give them special care.

Very close pinching must be practiced from now onward. It is a mistake to let the shoots get long. A plant which breaks well now will be almost sure to make a good specimen. Sometimes at this stage certain varieties will make flower buds and it looks as if they would be useless, but later they will break away and if they be varieties of indispensable colors, we must persevere. As the days lengthen they will grow rapidly. Plenty of air and good light are essential. Years ago I used to put my plants, at this time into a cold frame. I don't do so now, because I haven't the convenience. When I did, I got short jointed, sturdy plants. They did not make as large specimens, and were dwarfer. It is a good practice, and I advise it. We were driven to give it up on account of the chinch bug, and the "ants cow," a root aphis, which ants "farm." We had to give up growing Chinese asters about the same time for the same reason, but lately have not been troubled.

We were very much pleased with a mixed lot of unusual varieties, grown last season for decorative purposes. They were grown in varying sizes, from 6-inch pots to 10-inch. They were not staked with a view to making trained specimens, some hardly staked at all and many were decidedly unsymmetrical. We had trained

specimens, too, and these were used singly or in separate groups where their regular outline had the best effect, but for grouping, blending of colors, in massing or with other plants, these untrained plants are unexcelled. All the types were represented, including the large Japanese form in well-known varieties. Among these Petaluma, a chrome yellow, quilled variety was conspicuous. Heron's Plume with twisted flowers, like a bundle of white paper; Shavings, odd as its name implies; Mme. Rogers, the green chrysanthemum; pompons, pompon anemones, large anemones, Chinese incurved and reflexed, and last, but not least, the Mizpahs, single flowered varieties in white, yellow and rose pink were all attractive. T. D. HATFIELD.

CARNATIONS.

PREPARATION FOR FIELD PLANTING.

The time for planting carnations will soon be here and, indeed, in some sections it is already at hand, as early planting has come to be regarded as essential to success. Whenever the ground is in good condition and danger from severe frosts is over is the time to plant. If your plants have been properly hardened off there is no danger in a light frost, as the very slight injury they may receive is more than counterbalanced by the advantage gained from the early spring rains.

Preparation of the soil is largely a matter of local conditions. Where you have an abundance of room there is no method like that which might be known as the horse and harrow method. That is making the distance between the rows from twenty-four to thirty-six inches, so that a horse cultivator can be run between the rows as often as may be necessary during the summer. The best method of making the rows for planting is to throw them up six or eight inches higher than the level of the field and then, when planting, level them down a couple of inches with a rake. Doing this right ahead of the planter gives a nice, moist soil in which to set the plants from six to eight inches apart in the rows, according to the variety.

Where room is limited the young stock can be planted in beds three feet wide, planting them 8x10 to 10x12. The latter distance is the best, as you can then run between them both ways with a hand cultivator, cultivation being the key note to get good plants in the field.

Where it can be procured, there is nothing equal to stable manure as a fertilizer and it should be put on at the rate of from 100 to 200 tons per acre. Some saving can be made by applying it in the row, but this requires extra labor and you will want your field good and fertile for results, so that it is best to make the application of manure over the whole field.

To fertilize in the rows the best method is to furrow out the rows and then put in the manure. After this is done throw the soil back over the manure so that it is six inches above the level as previously stated. This does not put the young plants in immediate contact with the manure but as soon as the rootlets get started they will find the manure and the plants grow accordingly.

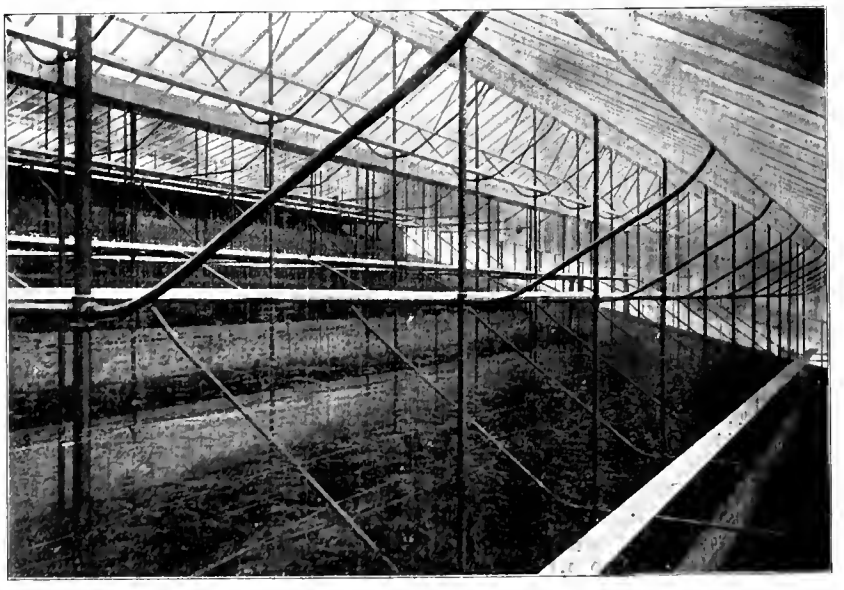
When manure is not available the next best substitute is a good ground bone, known as bone meal. Do not use bone flower. It is quicker in results but will not last the plants for their term of outdoor culture, whereas the bone meal will. This is best applied in the rows, for horse cultivation, care being used that it is not put in so heavily as to injure the plants. It is this liability of injury from commercial fertilizers that makes the manure so much better and safer to use. In using bone meal be sure and use some that you have had previous experience with, so that you can apply it intelligently. Where the beds are used for planting the manure or bone meal, of course, has to be applied to the whole bed.

Under no conditions use prepared manures or phosphates for outdoor culture. These will, under good conditions, give very good results, but with adverse weather these fertilizers are often a decided detriment to healthy plant growth and therefore very unsafe to use. Where you have facilities for watering and thus in a measure control the moisture conditions of your soil, these manures can be used to good advantage, but are very dangerous in the hands of an inexperienced man, so if you do use them be sure and use some preparation that you have had previous experience in handling.

In plowing or digging your beds where practicable do it to a depth of ten or twelve inches but do not go into the subsoil. It is better to have but six inches of good soil than ten or twelve mixed with a poor subsoil. It should be well pulverized to its full depth so as to give the roots a nice, mellow soil, as the mechanical condition is often as important as the fertility.

It is a good plan to prepare the soil as soon as you can get into the ground, so as to be ready for planting on the first good opportunity. I have found this to pay even when in some cases we had to do the work of preparation the second time. Planting just at the right time is the watchword for April.

ALBERT M. HERR.



VIEW IN ASPARAGUS HOUSE OF W. H. ELLIOTT, BRIGHTON, MASS.

THE EASTER TRADE.

The following are a number of belated Easter trade reports:

MALDEN, MASS.—E. A. Kelley found Easter one-fourth better than last year, prices excellent and enough stock. Carnations were particularly in demand.

MILWAUKEE, WIS.—J. M. Fox says that he found no scarcity of Easter lilies this season. They were not so much in demand as heretofore, except as pot plants.

VICTORIA, B. C.—The Easter business was about as last year. J. T. Higgins says the holiday supply is still under the demand and all stock was sold without fully meeting the call.

OLEAN, N. Y.—Easter weather was disagreeable but W. C. Ross reports good business E. A. Llewellyn notes good prices. D. R. Herron cleaned up an enormous cut of carnations.

ROCHESTER, N. Y.—Prices were rather lower than last year, because of abundant supply, but sales increased twenty per cent. J. B. Keller says more flowering plants and violets were sold than ever before.

VANCOUVER, B. C.—Easter was about as usual. Lilies were not ready and carnations and roses were also scarce. Flowering plants sold well. James Pont says bulbous stock was the last to move.

DALLAS, TEX.—The Texas Seed & Floral Company says Easter sales increased fifty per cent, with plenty of stock. Plants sold well, especially lilies and azaleas. Lilies and carnations went best among cut flowers.

SAVANNAH, GA.—The loss on lilies was half, so that supplies were short at Easter. More flowering plants might have been sold, Azalea Indica going best and Azalea mollis not at all. There were enough carnations but more roses could have been sold.

TOLEDO, O.—Mrs. E. Suder says business was half again heavier than a year ago. There were enough plants and the home supply of cut flowers was made ample by shipments from wholesale centers. Crimson Ramblers and hydrangeas did not seem to be wanted.

POUGHKEEPSIE, N. Y.—Easter sales were double those of last year, reports M. J. Lynch. Violets and fancy carnations were higher than a year ago. Lilies and azaleas were wanted but there were enough of other plants. Beauties

THE CONSERVATORY OF BERTERMANN BROTHERS, OF INDIANAPOLIS, AT EASTER.

and violets were the popular cut flowers and the only shortage. Well grown flowering plants seemed to have the call.

JACKSONVILLE, FLA. — In connection with a good increase in Easter sales C. D. Mills notes a growing appreciation of and better demand for the best in flowers and plants, and a willingness to pay fair prices for them. There has been a big advance in the last five years.

FARGO, N. D.—Shotwell & Graver had a very good Easter, with plenty of roses and carnations but a shortage on lilies and other flowering plants. Shipping trade was bad because of floods, which cut off some towns for a week. They had some shipments caught by the freshets.

BANGOR, ME.—The weather spoiled the Easter business; Carl Beers says he never saw such unfavorable conditions. Lilies were fine and plentiful but there was nobody out to buy them. There was an overstock of everything. Of plants lilies were most popular, azaleas least so and of cut flowers carnations went best, bulbous stock slowest.

OAKLAND, CAL.—H. M. Sanborn says the lily crop was almost a failure and that the supplies of this item were sold out clean. He found the heaviest call for lilies in pots, azaleas and rhododendrons, but the plant supply was adequate. All cut flowers were in good demand and supplies short. Prices were somewhat above the usual Easter level and sales were thirty-five per cent heavier than last year.

READING, PA.—Prices were better than a year ago but the aggregate of sales was about the same. There was enough of everything except the lily. Next in favor was the azalea and Hoskins & Giles note that it was the large plants which sold. Roses, carnations and violets were in great demand.

NEW ORLEANS, LA.—The Easter increase was about fifteen per cent but U. J. Virgin says prices were about as usual except on lilies, which sold at twenty-five per cent advance. There was enough of everything, all plants except lilies being slow sale Lilies also lead the cut flowers and Mr. Virgin found carnations least called for.

MILWAUKEE, WIS.—There was more call for plants than for cut flowers, but the demand for the latter was heavy. Wm. Edlefsen says the business was immense, exceeding last year by twenty-five per cent. Prices were higher than usual, but there was enough stock. He found hyacinths and azaleas very popular, and a big call for spring flowers.

WILMINGTON, DEL.—Prices were better than at last Easter and W. H. Vance thinks sales increased ten per cent. The shortage in cut flowers was caused by most of the growers shipping to Philadelphia. The supply of blooming plants was about right for lilies but hyacinths were in over-supply. One grower rented a store for the week and, finding himself long on hyacinths, being somewhat of a humorist, put a sign in his window "Stuck," spelling the word with the plants, each letter a different color. Carnations were in greatest demand. The growers find their best market on the street at Easter.

BUTTE, MONT.—Easter brought the greatest call for carnations in the history of the trade in Butte. Law Brothers sold 4,500 over the counter and did not have near enough. More than two-thirds the cut flower supplies were shipped in. There were enough plants except lilies and Harrisii and carnations were the only items higher than a year ago. Sales increased twenty-five per cent.

ADRIAN, MICH. — Easter trade was twenty per cent in advance of a year ago, with ample supplies of plants and all cut flowers except carnations. Of plants the least demand was for cinerarias and the greatest for lilies. In cut flowers the least call was for bulbous stock and the greatest for carnations. Nathan Smith & Son find, by reference to last year's record, that the charge sales were in excess of cash sales, but this year it was reversed, from which they infer that the people have more ready money to invest in this class of goods.

MORRIS, ILL.—The receiver for the Morris Floral Company sold the plant at auction April 3, it being bid in by A. B. Hull for $4,606.

PROVIDENCE, R. I.—The daily press has it that Mrs. Wm. B. Bannigan, a widow reported to be worth $2,000,000, is to marry Timothy O'Connor the we known florist.

The Practices of Nurserymen.

(A paper by H. J. Koehler, read before the Hartford Florists' Club, March 11, 1902.)

The only introductory remark I have to make is that I do not wish to be understood as saying that all nurserymen are frauds. I believe the standard of integrity in the nursery business to be that of the commercial world in general. Likewise evil practices are to be met with among nurserymen as well as among other business men. It is hardly necessary to say that it should be the constant endeavor of all concerned to try to eliminate these evil practices. Any further moralizing on the matter I will leave to my hearers.

The commonest form of fraud is, undoubtedly, the substitution of a different kind of plant for the one called for. This applies to all kinds of stock, but particularly to fruit trees and to roses. Such substitutions are usually the cause of loss to the buyer far in excess of the price paid for the goods. The latter is comparatively a small item in the total. If a professional fruit grower has been so defrauded he has to wait some years before he discovers the truth. The result is, his labor, time and money spent taking care of those trees is a total loss, in addition to their original cost. If an amateur has been the victim, his eager watching and nursing of his few pet roses and trees are followed by bitter disappointment.

Near the close of the packing season, when stock in a great many lines is apt to be exhausted, in some nurseries substitutions are made in the most reckless manner. I have known an order for several hundred peach trees in six varieties to be filled out of a lot containing only two varieties. When the Bismarck apple first came on the American market the stock was all very small and light, say about three feet high. One firm which had quite a number of orders for it, but did not have the stock, picked out a lot of fourth class, stunted trees from its apple blocks, regardless of the kinds, and palmed them off on their customers as the real thing.

A nurseryman once ordered several thousand roses from England to be delivered in time for the spring packing season. Among this lot were to be 1,500 Jacqs. On the strength of this he took an order for 800 Jacqs from a local firm to be supplied out of the 1,500. When the English roses arrived it was found that only 100 Jacqs had been sent instead of the 1,500, the balance having been made up of other kinds, all correctly named, however. This was a great disappointment to the importing nurseryman. Nevertheless he filled that order out of his English stock, by substitutions, of course. These English roses came done up in bundles of ten, each bundle being labeled. Now in order to carry out this fraud successfully it would not have done simply to substitute Jacq labels on the original packages of the goods for this reason: It was found impossible to make up the 800 out of one kind, as there were not that many of any one kind in the whole importation. Had the 800 been made up of a half dozen different kinds, and the packages left intact, even a person not an expert would have been very apt, in the handling, to have his suspicions aroused by the lack of uniformity in the appearance of the bundles, and so the imposition would have been discovered. To obviate this difficulty the bundles were all untied and then the roses were retied into bundles of ten, each containing a pretty even mixture and bearing a Jacq label. Thus the bundles were given a uniform appearance, enough so at least, so that the deception proved a gratifying success—to the seller of the goods.

Weeping trees are sometimes seen on the market which a year or two after planting mysteriously assume an upright habit of growth. Such trees are not weepers at all, but quite ordinary ones, whose branches have been artificially forced to temporarily hold a drooping position by being tied down. Budded roses are often sent out for own root roses when the latter are distinctly called for in the order. I have heard of asparagus roots being sent out for clematis. There is quite a resemblance in the roots of these two plants.

A longer list of instances of substitution might be made, but I will now turn to other forms of imposition. Sometimes nurserymen will take orders for planting stock in the fall, which they know will not live if transplanted at that time, and which they are sure to be obliged to replace when the customer finds, the next season, that his plants are all dead. This is done in order to more quickly secure the cash than if the truth were told and the whole operation deferred until spring, and also to avoid the possible danger of losing the customer entirely, who during the winter months might change his mind in regard to the matter and not order the goods at all, some nurserymen holding to the idea that a customer ought be nailed whenever the chance offers, even if it be only once. In such cases the price charged for the goods is usually large enough so that there is still a margin of profit left after the dead plants have been replaced. Even if the transaction leaves the nurseryman financially square only, it may have served its purpose, as the nurseryman has had the use of the money.

Substitutions in such things as H. P. roses, fern-leaved and purple beeches, and so forth, whose identity is revealed the first summer after transplanting, are sometimes made with this same idea in view, that a prospective customer's good money should not be lost by owning up to the lack of such things. When the buyer comes back the next season and makes his kick, the matter is smoothed over by replacing the stock and telling him that it was not a willful substitution, but the mistake of some careless or ignorant employe. Thus it is even possible that a nurseryman might, through deception, acquire the name of being a pretty good kind of a fellow, since he has not only acknowledged his mistake but has also made it good.

Nurserymen occasionally take orders for stock and then fail to deliver it. Cases have occurred where the reason lay in the fact that after the order had been taken an opportunity offered to dispose of the goods at higher prices than those at which the goods were originally promised to the first man. In a similar case I suspected the seller of having taken an order with the idea that he would fill the order if he could, but that in any event he would prevent the other fellows from getting any part of the order for that season at least.

Once in a while a customer who is looking for a certain kind of plant is induced to visit a nursery by being told that they have there just what he wants, and that he had better go and have a look at the stock, the fact being, however, that there is not a single plant of the kind on the place. This is done merely for the purpose of getting the man to the nursery, with the hope of selling him something else. The scheme does not always work out just that way, and the would-be customer's ire is sometimes aroused with dramatic results at having made a long journey in vain, but of course risks have to be taken now and then.

While on the subject of frauds it may not be amiss to refer to the resourceful tree agent and his disappointed customer. The latter had bought a pear tree, supposedly a Bartlett, from the former. The first year it bore the buyer watched the developing fruit with great eagerness, but what was his disappointment when it proved to be not a Bartlett, but something else. Of course, he had it in for the agent, and on his next trip around demanded of him an explanation. The tree agent, one of the tough-skinned, imperturable kind, calmly waited until the fury of his customer's wrath had expended itself, and then asked what the price was which he had charged, the matter having slipped his mind. The customer replied that it was 50 cents, whereupon the agent made the rejoinder that certainly no one could expect a 50-cent pear tree to have Bartlett pears the first time it fruited.

Herbaceous Plant Notes.

Where the herbaceous plants have had a thorough cleaning during the fall or early winter months and the ground has been forked over at the time, the plants may be left alone for several weeks to come, excepting that the covering, if such has been applied, should be removed at once. But where the fall work has been neglected for one reason or another, the sooner we can give them a good cleaning the better. After decayed and damaged leaves and old stems have been removed, some short manure should be forked in around the roots. This is especially needed in beds or borders which have not been disturbed for several years and are closely planted. The majority of these plants are great feeders, requiring additional nourishment as the clumps enlarge year after year. If the clumps are getting too broad, or show signs of weakening in the center, then it is time to take them out to divide them, but don't cut them up too small. Generous pieces will usually bloom well the first season. Plants which send out long wiry, stems under ground, should have these unruly travellers removed when forking over the bed.

For new plantations, spring is probably the best time but planting should be done early, before much growth is made. This is the time for vigorous new root formation and when planting is done properly, every plant will grow for us now; later the sun may get too strong, the ground may dry out and a percentage of the young plants may then be lost. In borders always plant large patches of one species together; single plants, mixed up with others, are usually lost and make no show. Arrange as to height, but avoid being too formal in the arrangement. At least some of the plants near the front should be of medium height. Avoid sameness in foliage, habit and growth in neighboring groups. Have an eye to diversity in flowers as well as in leaf. Distribute early and late blooming species and varieties equally over all parts of the beds or borders.

Where herbaceous plants are employed among or in front of shrubs, the growth of the latter may in some instances indicate that there is not enough room left for the perennials and then it is advisable to do away with part of these

or all of them, for under crowded conditions we could not expect good results as to flowering or growth. Better have less flowers of good quality than a lot of poor ones.

For the florist, who grows these plants for cut flowers, rows planted in the field are most convenient and easily kept clean. Ample room is here allowed for spreading and frequent replanting is also avoided to some extent, at least with many of our hardy cut flowers this is the case. The various Japan anemones, all the irises, Dictamnus fraxinella, iberises, æthionemas, anthericums, aquilegias, Stokesia cyanea, several of the spiræas, platycodons, Clematis recta, the astilbes, many campanulas, dodocatheons, gypsophilas, the fibrous rooted aconitums, hellebores, pyrethrums, Heuchera sanguinea, lupinus, Omphalodes verna, pæonias, the large flowering papavers, Scabiosa Caucasica, statices, trolliuses and ranunculuses may remain undisturbed in the same place for a great many years. J. B. K.

Chicago.

MARKET FULL OF SLUGGISH STOCK — EVERYTHING IN AMPLE SUPPLY AND MOST ITEMS SELLING SLOWLY.—GROWERS BEGIN TO GROWL.—BEAUTY MARKET IN A BAD WAY.—MANY FLOWERS AT THE COUNCIL MEETING —THE CLUB TRIPS THE LIGHT FANTASTIC.—STREET SALESMEN NOW HAVE STORES.—MANGEL IN NEW QUARTERS. — DOINGS HERE AND THERE AMONG THE CRAFT.

This has been a week of unusual and unwelcome quiet in the wholesale market. The local demand has been very light and shipping trade not what it usually is. There seem to be large supplies throughout the country, particularly on Beauty and tea roses, so that many outlets are shut off. While almost all lines have been overstocked, and the growers complaining, the effects of the glut have perhaps been most manifest in the Beauty market. It is seldom that there is adequate supply of this item, but for the past two or three weeks the receipts of long-stemmed material have been greatly in excess of the requirements. The result is that big buyers have been permitted to clean up to the stock at what seems ridiculously low prices. Several sales are on record where lots of from 200 to 500 have been sold at from 10 cents to 15 cents per bud and $20 per hundred has been frequently taken on stock which a month ago was short of the supply at $4 per dozen. While the receipts of Bride, Bridesmaid, Meteor and Golden Gate have been in excess of the requirements, they have been cleaned out fairly well, although at low average prices. The carnation receipts are heavy, and as a rule the stock is of extra quality, but it all hangs fire. However, the cuts are so heavy that the growers are getting a pretty good sum of money out of their houses. There seems to be no great oversupply of violets, although rates are low, and bulbous stock is not accumulating.

John Mangel is in his new stand at the corner of Wabash and Monroe, succeeding John C. Schubert. This is the old Gallagher stand and Mangel will do credit to the traditions of the place. His first act was to fill the windows as full as they would hold of the best cut flowers on the market.

The annual entertainment and ball of the Chicago Florists' Club at the drill hall in the Masonic Temple last Tuesday evening was one of the most successfull events of the kind on record. There was a large attendance, although the financial outcome has not yet been determined, and the vaudeville programme, by professional talent, was thoroughly enjoyed, after which came the dancing The committee to whom credit is due for their efforts in behalf of the club was John Degnan, P. J. Hauswirth and Edw. Enders.

The street salesmen are now nearly all under cover. Several of them have very neat little stores and the rest are rapidly getting placed. But their absence from the streets in times of abundance like these is an injury to the growers, for they are not able to handle the quantity of material they used on State street. The retailers are discovering a new phase of the situation, for their customers, who would not patronize the Greek at the curbstone, will go into his store to buy of him.

Last Monday was installation night at the city council, the occasion for the annual display of flowers. As usual the "creations" were numerous and unique. Probably John Enzweiler has the credit for the most notable design. It was a full fledged warrior six feet high, of red carnations, made for Alderman Thomas Carey, of the Twenty-ninth ward, upon the order of his organization, known popularly as Carey's Indians.

Walter L. Tonner, son of John P. Tonner and for some time manager of his father's business, was married March 29, at Mont Clare, to Miss Louisa F. Clark. The home of the bride was handsomely decorated for the occasion and the ceremony was followed by a banquet to which many in the trade sat down. Mr. and Mrs. Tonner will reside at Galewood.

Luke Collins, formerly foreman for Wietor Brothers and now in charge of a section at Peter Reinberg's, has leased the Eagle range of glass south of town and will start to growing for his own account.

E. C. Amling says that he expects the South Park Floral Company's Beauty cut to increase rather than decrease, but in general the supplies of this item will shortly be greatly reduced by replanting.

The Art Floral Company was a heavy loser in a fire on Monday morning which destroyed the row of frame buildings in which their store was located, at 3907 Cottage Grove avenue.

George Reinberg is getting busy with his building operations but he is going to take his mind off of it long enough to see to the planting out of the biggest field of carnations on record.

Peter Reinberg is making a record with the size of the orders he is handling these days. Yesterday he shipped 10,000 carnations, 2,000 roses and 500 long Beauties to one buyer.

J. A. Budlong is at work upon six new houses 27x200. They are considering adding three more of the same size this season.

Lawrence Becker has opened a store at 1240 Bryn Mawr avenue, in Edgewater.

J. D. Thompson, of Joliet, left for Boston, April 10.

Visitors: Geo. M. Kellogg, Pleasant Hill, Mo.; W. A. Hartman, South Haven, Mich.

MT. CLEMENS, MICH —Robert Klegge shipped more than 100,000 violets to Detroit, Chicago and other cities in the two days before Easter.

SAN FRANCISCO, CAL.—C. Ferrari & Son are building a new range of twelve houses, which increases their plant to about 100,000 feet of glass.

New York.

DEMAND VERY LIGHT AND SUPPLIES UNUSUALLY HEAVY.—BEAUTY STILL SELLING VERY LOW.—OTHER ROSE CROPS ON THE DECREASE. — CARNATIONS DO FAIRLY WELL.—VARIOUS NOTES.

Business since Easter has been exceedingly depressed. Not for a very long time has it been so difficult to adequately express in words the tremendous congestion under which the flower market is staggering and the simple impossibility of giving any but the most vague idea as to the vast disproportion between supply and demand. Ever since Easter Sunday the so-called legitimate demand has been so infinitessimal that it has been scarcely felt and the Greeks have been by far the best customers in the wholesale markets. All roses are more than plentiful, but the dark and stormy weather now prevailing encourages the hope that the product will shorten up a little. Bride and Bridesmaid roses are falling off noticeably as to quality and mildew is beginning to make its appearance. American Beauty is still selling away down, with but few buyers, and lilies and callas are in the same predicament. Carnations hold their own in price much better than any other item on the list. Violets are in lighter supply than usual at this season and returns average up fairly well. Daffodils, tulips and freesia are all in moderate supply and generally clear out at some price. There is no surplus of smilax, adiantum or good asparagus.

Chas. H. Atkins, of Madison, N. J, will deliver a lecture on the hybridization and fertilization of orchids by insects, illustrated by drawings and charts, at the next regular meeting of the New York Florists' Club Monday evening, April 14.

Sam Weisburg, who has been engaged in the flower business on Eighth avenue for many years, fell down a hatchway Friday last and was instantly killed.

W. D. Taylor was married on April 10 to Miss Jessie N. Elliott, daughter of the late William Elliott. The couple are on a bridal trip to parts unknown.

A. Herrmann has leased the floor on Thirty-fourth street to be vacated by the Flower Market on May 1 and will continue it as a flower market.

Beginning May 1 J. K. Allen's wholesale store will be open for business at 5 o'clock in the morning.

Miss Anna Clarke, daughter of Marshall Clarke, of David Clarke & Sons, died April 8.

Mr. and Mrs. S. J. Rebstock of Williamsville, N. Y., are in the city on their honeymoon.

Muncie, Ind.

The Carnes greenhouses will be moved from South Walnut street two blocks south on Albany street, were the plant will be enlarged and modernized.

The Muncie Floral Company is building a branch on Kilgore avenue, opposite the cemetery, and has also opened a store at 102 South Walnut street.

Mrs. G. L. Miller, who bought the Myers greenhouses, has both places well stocked for spring. She will make some improvements in heating facilities this spring.

LACONIA, N. H.—C. P. Dow has leased and moved into a new store at 552 Main street.

WALTHAM, Mass.—H. M. Sanderson has opened a retail office for the sale of plants and cut flowers in Central block.

THE AMERICAN FLORIST

SEVENTEENTH 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.

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.

cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

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-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., Chicago.

WINDOW box material will soon be in demand; are you ready for it?

THE question of a horticultural hall for London, Eng., is again up for consideration.

THE kentia will be the popular palm when autumn comes again. Better look to a supply.

GEO. M. KELLOGG says that contributions of flowers to the hospitals in times of plenty have proved to be the best local advertising he ever did.

THE *National Window Glass Budget* has ascertained that stocks of window glass are much below normal and thinks that fancy prices are shortly to go into effect again.

THE demand for greenhouse help of all classes was never heavier. It is an excellent indication of prosperity in the trade, also a shadow of coming events in the line of production for next season.

IT has frequently been said that there are never too many Beauties in the cut flower markets. Perhaps not, when all grades are considered, but in the last few weeks the production of extra long stemmed, fancy stock has been phenomenal and in most markets the growers have been disappointed with the results.

Correction.

In the advertisement of H. H. Berger & Co., page 410 of our issue of April 5, single and double begonia tubers are listed as being one-half inch in size when the size should have been from one to two inches.

Excellent Results.

ED. AM. FLORIST:—I am sending a new advertisement to continue for a few weeks. I had excellent results from my former adv.; sold all rooted cuttings and could have filled other large orders if I only had the stock. J. C. MURRAY.

Peoria, Ill.

Time to Root Araucaria Cuttings.

ED. AM. FLORIST:—I was much interested in Mr. Taplin's recent note on the propagation of Araucaria excelsa, but there is one point which he unfortunately omitted and which strikes me as being important, it being the proper time at which the cuttings should be taken. I infer, however, that this would be in autumn, when the growth is mature and before the approach of severe freezing. Perhaps Mr. Taplin will kindly confirm this point. I would also highly esteem an article from his pen on the best methods of treatment for Adiantum cuneatum. The space devoted to questions and answers in the AMERICAN FLORIST I regard as being exceedingly interesting and instructive and I, for one, would like to see it more generally used.

W. C. B.

The omission pointed out by "W. C. B." is a matter of some importance in the propagation of araucarias from cuttings, though it was an unintentional omission on the part of the writer. The autumn is the best time to put in the cuttings of the plants in question, not only on account of the growth being in better condition at that period but also from the fact that the sun is becoming weaker, and in consequence the araucaria cuttings may be kept plump and fresh in the propagating frame without watering too frequently during the extended time that is needed for the process of callusing. These cuttings behave much the same as those of cryptomerias and retinosporas and, like the latter, are much easier to handle during the winter months than they are when put in during the spring. In a future issue, if the editor permits, I may offer some notes on Adiantum cuneatum. W. H. TAPLIN.

Greenhouse Building.

Seattle, Wash.—Malmo & Co., range of houses.

Grand Rapids, Mich.—Eli Cross, one violet house.

Alliance, O.—L. L. Lamborn, two houses.

Pittsburg, Pa.—J. B. Murdoch & Co., two houses 30x400.

Pleasant Hill, Mo.—Geo. M. Kellogg, range of 50,000 feet.

Bainbridge, N. Y.—J. L. Lindgren, one house.

South Natick, Mass.—John Barr, two carnation houses.

Philadelphia, Pa.—Geo. S. Mole, conservatory.

Tapleyville, Mass.—Dr. Baxton, one house.

Houses For Asparagus.

ED. AM. FLORIST:—I have a piece of ground 105x125 which I intend to cover with glass the coming spring, to be entirely devoted to Asparagus plumosus nanus. I should like to be advised through your valuable paper as to the best style of houses for this purpose, also the best method of preparing the beds.

A. F. A.

I should build four houses about twenty-five feet wide and, as it is very important to have the strings as long as possible, I would prefer to build the houses twenty-five feet high at the ridge and about eighteen feet at the gutters, which would give an opportunity of getting long strings. The outer walls and ends would need to be glass to within three feet of the ground. I support all my houses on steam pipe, with walks overhead so that we can tie and train the asparagus. (See illustration on page 430.) I make my beds four feet wide with two-foot walks between. This is a convenient width for stringing and training the asparagus. I would advise making the beds one and one-half to two feet deep, with about one-third manure and leaf mould added to the soil. Asparagus planted in this way will go for a number of years without requiring to be renewed. W. H. ELLIOTT.

Boston.

HORTICULTURAL SOCIETY HAS AN EXCITING SESSION.—NEW CONSTITUTION FAILS OF ADOPTION.—TRADE VERY QUIET.—SUPPLIES LARGE BUT QUALITIES OF THE BEST.—A VARIETY OF NOTES.—VISITORS.

Saturday, April 5, will long be remembered by those who witnessed the great struggle at Horticultural Hall over the adoption of the proposed new method of administering the affairs of the Massachusetts Horticultural Society. It was the culmination of a series of skirmishes that have taken place during recent years between the progressive wing of this noted organization, comprising the wealthy amateurs allied with the florist, plant and landscape gardener section, and the conservative forces, comprising the market gardener and fruit faction allied with the present officials and beneficiaries of the society. It was the most fiercely contested fight this dignified organization has ever had on its hands and the conservatives came off victorious, their opponents having a substantial majority but not the two-thirds vote necessary to secure the adoption of their new constitution. The purport of the obstruent and dilatory tactics which the opposition resorted to from the outset and the support given thereto by the presiding officer, who was far from impartial, was quickly comprehended by the supporters of the measure and the scene became one of pandemonium for nearly an hour and a half. Many warriors whose voices have rarely been heard in Horticultural Hall took part in the fray, on both sides, among them the veteran W. W. Rawson, president of the Market Gardeners' Association, who with his followers undoubtedly saved the day for the old wing. The result leaves little hope for the enjoyment, in the immediate future, of that harmony which is so essential to the welfare of the society and the responsibility of conducting the affairs of the corporation under the conditions imposed by the recent removal to the new building, by an unprogressive minority out of sympathy with its surroundings, places the victors in a position not altogether enviable.

Business in the cut flower line has been very dull since Easter. Receipts of roses of all kinds are heavy and the quality is the best ever offered at this season. Lilies are plentiful and all bulbous stock is very hard to dispose of. Carnations are also abundant, the white ones selling better than the colored. Violets have been in excellent demand since Easter but are losing in quality as the season advances. Smilax is rather scarce. There has been a steady fall in values generally all through the week.

At Horticultural Hall on Saturday, April 5, a silver gilt medal was awarded to E. O. Orpet, gardener to E. V. R. Thayer, for Lælio-Cattleya G. S. Ball. James Garthley, gardener to H. H. Rogers, received a certificate of merit for superior culture of Cypripedium villosum, the plant exhibited bearing twenty-six blooms.

The auction sales are attended but lightly, thus far, and those who devote an hour or two at McCarthy's mart on Tuesdays or Fridays find little competition and many bargains to snap up.

Death has taken away the wife of E. B. Clapp. Mrs. Clapp died on Sunday, April 6, after an illness of one month, during which she suffered greatly.

Visitors: C. B. Weathered, New York; E. O. Orpet, So. Lancaster; Geo. McWil-

ham, Whitinsville; H. Thiemann, and Jos. Clark, Manchester; Timothy McCarthy, Providence, R. I.

OBITUARY.

SAMUEL DAVIDSON.

Samuel Davidson died at Troy, N. Y., on March 31, after a very brief illness with pneumonia, aged 61 years. Mr. Davidson was born at Armagh, Ireland, but has been about thirty years in this country, filling important positions as gardener with high skill. His first employment in America was with Ellwanger & Barry, Rochester, N. Y. Afterwards he took charge as head gardener for the late F. W. Farnam, Troy, N. Y., where he remained from 1873 to 1893, and then went to the estate of the late Nathan B. Warren, at Troy, where he continued in charge till Mr. Warren's death in 1898. He was an industrious, painstaking and capable man, a representative gardener in every essential.

St. Louis.

STOCK COMES IN WITH A RUSH.—MARKET OVERLOADED ON MANY LINES AND PRICES VARIABLE.—FAKIRS FROM CHICAGO DO BIG BUSINESS.

Stock is coming in quite plentifully of late, but there is still a shortage in white carnations. The bright weather that we are having is beginning to show on the amount and the quality of the stock that is sent in and as we are getting some of Chicago's street fakirs down here some very good stock is sold on the street corners. Some have been discouraged, as St. Louis prices were too high for them, but Mr. Graff, leader of the invaders, is willing to come up to our prices and do as the home fakirs are doing. He has a very good location at Sixth and Olive streets in one of the doorways of Plow's candy store and seems to be doing a big business. The prices for this week vary considerably, the best roses bringing as high as $8, while some go at $3. Some Golden Gate are coming in that are very fine. There seems to be more pink than any other color. Carnations are finding buyers at from $1.50 to $4 for fancy stock and $5 for Prosperity. Bulbous stock is going very slowly. Violets are coming in heavily.

Mrs. H. G. Berning, who usually does the office work for her husband, was taken seriously ill just before Easter, but is now convalescent.

Ostertag Brothers have had considerable funeral work in the last week.

The sale of dormant roses has been very large this year. R. J. M.

KENT, O.—John Smith is adding to his lettuce growing facilities by the erection of a house 40x70.

GRAND RAPIDS, MICH.—Charles Chadwick shipped his Easter carnation crop to Pittsburg this year.

EVERGREEN, ALA.—E. A. Beaven, secreary of Caldwell the Woodsman Company, has been elected secretary and treasurer of the United Produce Company, a combination of the wholesale produce men of the city of Mobile for the purpose of handling the vegetable and fruit crop of the gulf coast. He will have headquarters at Mobile till September 1, when he will return to Evergreen and resume his duties with the Caldwell company.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (six words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1902 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—By good all-around florist and gardener. Give particulars
W K 656 W. VanBuren St., Chicago.

SITUATION WANTED—By good all-around florist; 30 years' experience; single. All references. Address REX care American Florist.

SITUATION WANTED—By reliable all-around florist; good designer; competent to take charge; married. Best refereoces. Please state terms. Address AVONDALE,
care American Florist, Chicago.

SITUATION WANTED—By a young man as greenhouse assistant; 1½ years' experience. Best of references from present employer. Please state wages when writing. Address
T W H, care American Florist.

SITUATION WANTED—By competent florist and gardener, also designer and decorator. First-class commercial or private position; married. Will be at liberty April 15.
GEO A. HODGSON, West Medway, Mass.

SITUATION WANTED—By experienced florist; grower of fine roses, carnations, 'mums, violets; 25 years' experience. Good designer and decorator. Best references. State highest wages.
G. FLORIST, 1428 West 10th St., Canton, O.

SITUATION WANTED—By thoroughly experienced grower; would take charge of commercial place or section in first-class rose or carnation departments where good wages are paid. Address H H, care Am. Florist.

SITUATION WANTED—As foreman by thoroughly practical florist. Good decorator, designer, etc. Grower of No. 1 roses, carnations and 'mums. First-class commercial or private position. Good wages expected. Address
G. FOREMAN, care P. O., Canton, O.

SITUATION WANTED—By a good grower of cut flowers, etc., age 33, long experience in all branches of horticulture, to take charge, or as foreman. References as to ability and character. California or Colorado preferred. Address
J R C, 302 Central Ave., Minneapolis, Minn.

SITUATION WANTED—By thorough florist; grower of fine roses, carnations 'mums, violets and plants; German, age 33; long experience in all branches of horticulture. Want position to take charge or as foreman. Good references. Address with offers, H L S,
302 Central Ave., Minneapolis, Minn.

WANTED—Good rose grower, section man, also good general grower. Address
S. J. REUTER, Westerly, R. I.

WANTED AT ONCE—Sober and willing men for greenhouse work; $20 month. Apply to
OTTO HANSEN, 1056 N. 62d Av., Chicago.

WANTED—Good man for general greenhouse work. Single or married. Steady employment. J. M. SMELY, Aurora, Ill.

WANTED—One rose grower, two helpers for rose section and two for general greenhouse work. J. F. WILCOX, Council Bluffs, Iowa.

WANTED—Good plant grower. Middle aged or elderly man preferred. Permanent position. Address OHIO, care American Florist.

WANTED—A steady man for general greenhouse work. State wages expected without board. Give references Address
C. LOVERIDGE, Peoria, Ill.

WANTED—Capable man to take charge of 3000 feet general stock—or will sell right. No competition. State experience and wages wanted.
W. J. OLDS, Union City, Pa.

WANTED—A good all-around florist to take charge; must be sober, industrious and reliable. State wages wanted with board and room. References. Address
A G, care American Florist.

WANTED—At once, experienced man for general greenhouse work. Single man, German preferred. Wages, $30.00 per month with room and board. References required. Address
J. A. BISSINGER, Lansing, Mich.

WANTED—A rose and carnation grower who understands grafting; a working manager; to the right man $75.00 per month will be paid. Address OWNER,
Station A, Lock Box No. 10, Cleveland, O.

WANTED—A reliable, sober, all-around greenhouse hand; a man willing and able to do all kinds of work. $10 per week. 15 minutes from Philadelphia. Address
HENRY J. FAUST, Merion, Montg. Co., Pa.

WANTED—To lease for not less than 3 years, by a practical grower of 20 years' experience, a place of from 5,000 to 15,000 feet of glass in good condition. West of Denver preferred. Address H C, care American Florist.

WANTED—Capable young man for general greenhouse work. One with some experience in greenhouse construction preferred. State age, experience and wages required, in first letter.
ESTHERVILLE GREENHOUSES, Estherville, Iowa.

WANTED AT ONCE—A first-class rose, carnation and violet grower. Dwelling close to greenhouses and good wages to right man. Young married man preferred. Address, giving references, J. R. FREEMAN, 612 13th St. N. W.,
Washington, D. C.

WANTED—Gardener to care for garden, lawn and greenhouse cow and horse. Must be experienced and capable. Wages $30 per month with board and room. Address, giving nationality, age, experience and references.
G. E. DILEY, Palestine, Texas.

FOR SALE—Good second-hand greenhouse material. L. A. WHEELOCK, Ovid, Mich.

FOR SALE—6,000 feet of glass well stocked, house, etc. All O. K. and in good order. Bargain; terms easy; other business. Address
Box 53, Decatur, Ill.

FOR RENT—Greenhouses and 14 acres of land with good dwelling and good water supply, without extra expense for rent. Enquire of
T. H. WRIGHT & Co., Ft. Dodge, Ia.

FOR SALE—Twenty miles from Boston, five acres level, fertile land, suitable for florist or market gardener. Five minutes from station.
L. G. BISSONETTE, 1150 Columbus Ave., Boston.

FOR SALE—Dwelling and greenhouses (no stock) centrally located in city of 4,500. Long established paying business; no competition; 3,200 feet glass; cause, death of owner.
MRS. MARY BEZNER, Executrix, Jerseyville, Ill.

FOR SALE—At a bargain, greenhouses 25,000 feet of glass, land and good dwelling house, barn, etc., in best of condition and well stocked; near Chicago; owner going into other business. Address H G, care American Florist.

FOR SALE—Prosperous up-to-date retail florist business, complete, established 12 years; can show handsome profits. Engaged in another enterprise reason for selling. For full particulars address CHARLES H FOX,
21st and Columbia Ave., Philadelphia, Pa.

$300 Per Month.

Do you want it? If so, buy me out NOW, at your own price. Good reasons. 15,000 feet. It costs you a postal card to have particulars.

C. S. FITZSIMMONS, Lansing, Mich.

For Sale at a Bargain

Greenhouses, 25,000 square feet of glass, all in good condition and paying well; within 20 miles of Chicago. Owner is going to retire from business. Address
F S, care American Florist.

If you want to get the want you want to get, you want to get your want ad into the

AMERICAN FLORIST

Try it now.

Every advertisement represents a genuine want. It pays to answer them.

Cleveland.

BAD WEATHER CUTS A HOLE IN BUSINESS SINCE EASTER.—DECORATIONS THE SAVING CLAUSE.—THE PRICES.—DOINGS OF RETAILERS AND GROWERS.

The inclemency of the weather for the past week has interfered somewhat with local business, yet the storemen have no real cause to complain. Balls, weddings and other social functions have been quite numerous and good stock has been cleaned up pretty well. All the third-class stock goes to the street fakirs, who do a rushing business when the weather permits. Shipping trade has been fairly good. The roses and carnations coming into market are, as a rule, very fine and are bringing fair prices, $6 to $10 per hundred for teas, and a few specials bring $12. Carnations fetch from $2 to $4 per hundred, longiflorums $10 to $15, callas $12, lily of the valley, $3 to $4. Lots of bulbous stock is on hand and sales lag somewhat. The best Murillo tulips bring $4 per hundred.

The Grant-Wilson Company reports Easter trade as far exceeding their expectations. They are so well pleased with their new quarters on Prospect street that they have leased the adjoining store. The two stores will be connected, which will give them a total frontage of forty-four feet, with a depth of seventy-five feet, which will afford ample room for the contemplated elaborate display. Their conservatory in the rear of the store is nearing completion.

Leonard Utzinger has rebuilt his greenhouses, which were destroyed some time ago by fire. It was a hard blow to him, coming at a time when it was impossible to replace the stock lost, which comprised principally carnations. However, he takes his loss philosophically and hopes soon to regain it.

E. Hippard, of Youngstown, was a visitor in town last week and reports business booming. ECHO.

GRAND RAPIDS, MICH.—Eli Cross will invest $800 of his violet money in a new house for increasing his output.

COLLEGE POINT, N. Y.—A fire March 26, on the premises of Frank Zimmerman, destroyed about $500 worth of violets intended for Easter shipment to New York.

DENVER, COL.—The *Denver Post* in its issue of March 23 devoted one page of its colored supplement to roses, including illustrations of such varieties as Queen of Edgely, Ivory, Mrs. Oliver Ames, Dean Hole and Miss Alice Roosevelt.

LILY BULBS

Rubrum, Auratum, Album, Giganteum, Single Tiger, Double Tiger. Close rates.

Gladiolus "1900"

NOVELTY. Very showy for cut flower work and florists' window decorations. Spikes 15 inches long, very strong grower, rich red color, three white spots on lower petal. Good substance lasting well after cutting. Successive plantings of this would secure fine window show the whole season. Per 100, $3.76.

GLADIOLUS Mixtures A good assortment.

Vaughan's Seed Store, New York. Chicago.

COMMISSIONS CARRIED OUT IN LONDON

or any part of Great Britain.

Messrs. WILLS & SEGAR will attend to any commission from American florists for the supply of Cut Flowers, Birthday Flowers, Bouquets, High Class Floral Designs, etc., to their clients who may be traveling in England.

WILLS & SEGAR, Court Florists to His Majesty, The King.

ROYAL EXOTIC NURSERY.

TELEGRAMS, FLOSCULO, LONDON. Onslow Crescent, South Kensington. LONDON, ENGLAND.

Wholesale Flower Markets

MILWAUKEE, Apr. 10.

Roses, Beauty, long, per doz.	3.00@ 5.00
" " med. "	1.50@ 2.00
" " short "	.50@ 1.00
" Liberty	6.00@10.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	4.00@ 6.00
" Golden Gate	6.00@ 8.00
" Perle	4.00@ 6.00
Carnations, ordinary	2.00
" fancy	3.00
Violets	1.00
Callas	12.50
Harrissi	15.00@18.00
Lily of the valley	4.00
Daffodils	3.00@ 4.00
Tulips	2.00@ 3.00
Adiantum	.75@ 1.00
Smilax	18.00@20.00
Asparagus	65.00
Common ferns	.25

PITTSBURG, Apr. 10.

Roses, Beauty, specials	40.00@50.00
" " extras	30.00@35.00
" " No. 1	10.00@15.00
" " No. 2	3.00@ 6.00
" Bride, Bridesmaid	3.00@12.00
" Meteor	6.00@12.00
Carnations	1.50@ 4.00
Lily of the valley	2.00@ 4.00
Violets	.20@ .75
Harrisii lilies	8.00@12.00
Romans, Paper Whites	1.00@ 3.00
Tulips	3.00@ 4.00
Lilac per bunch,	.75@ 1.00
Sweet Peas	1.00@ 2.00
Smilax	15.00@20.00
Adiantum	.75@ 1.00
Asparagus	50.00@75.00

CINCINNATI, Apr. 10.

Roses, Beauty	20.00@40.00
" Bride	4.00@ 6.00
" Bridesmaid	4.00@ 6.00
" Meteor	4.00@ 8.00
" Perle	3.00@ 4.00
Carnations	1.50@ 3.00
Violets	.50@ 1.00
Harrisii lilies	15.00
Lily of the valley	3.00@ 4.00
Daffodils	3.00
Tulips	3.00@ 5.00
Romans, Paper Whites	2.00@ 4.00
Asparagus	50.00
Smilax	15.00
Adiantum cuneatum	1.00
Common ferns	.20

ST. LOUIS, Apr. 10.

Roses, Beauty, short stem	5.00@12.50
" " long stems	15.00@30.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	4.00@ 6.00
" Golden Gate	4.00@ 6.00
Carnations, ordinary	1.50@ 2.00
" choice	2.50@ 3.00
Violets	.25@ .50
Sweet peas	.25@ .50
Harrisii	12.50
Callas	10.00@12.50
Lily of the valley	3.00@ 4.00
Romans	2.00@ 3.00
Narcissi	2.50@ 3.00
Tulips	2.00@ 3.00
Smilax	15.00
Asparagus Sprengeri	1.00@ 1.50
" Plumosus	1.00@ 1.50

Watch This Space

FOR FUTURE BARGAINS.

JOHN BROD,

349 West North Avenue, CHICAGO, ILL.

Greenhouses, Niles Center, Ill.

E. H. Hunt,

WHOLESALE.....

Cut Flowers

THE "OLD RELIABLE."

76 Wabash Ave., CHICAGO.

Frank M. Ellis,

WHOLESALE FLORIST,

1316 Pine Street, ST. LOUIS, MO.

CONSIGNMENTS SOLICITED.

H. G. BERNING

Wholesale Florist

1322 Pine St., ST. LOUIS, MO.

C. A. KUEHN,

Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

Pittsburg Cut Flower Co. Ltd

WHOLESALE FLORISTS.

Pittsburg, Pa.

The Cincinnati Cut Flower Co.,

446 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

MICHIGAN Cut Flower Exchange,

WM. DILGER, Manager,

WHOLESALE COMMISSION.

Full line of Florists' Supplies and Decorations. Special attention to shipping orders.

26 Miami Avenue, DETROIT, MICH.

RICE BROTHERS

WHOLESALE FLORISTS and FLORAL SUPPLIES.

Receivers and Shippers of Fresh Cut Flowers.

Special attention to shipping orders. A complete line of Florists' needs. Send for price list. Prompt returns on all consignments.

128 N. Sixth St. MINNEAPOLIS, MINN.

Galax Leaves, Etc. Per 1000

Choice Bronze and Green, Galax ..... $ .55
Choice Leucothoe Sprays 3.00
Choice Fancy and Dagger Ferns ..... .75

Rhododendron Sprays, 10 to 20 leaves on each spray, bright glossy green, $5.00 per case of 1000—175 lbs. Leaves alone 50c per 1000. Send for prices on plants. Cash with first order.

J. NELSON PRITCHARD, ELK PARK, N. C.

Please mention the American Florist when writing

We have been trying to say here just the word which will make you want

TO BUY OF US

If we have failed to interest you it is the fault of our advertising, not the fault of our business system or the goods we handle. We have perfect arrangements for handling your businesss and our supplies are large, particularly on Beauties, Roses and Carnations. Let us hear from you.

E. C. Amling

The Largest, Best Equipped and Most Centrally Located Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St. CHICAGO.

L. D. PHONES CENTRAL 1999 AND 1977.

PRICE LIST.

BEAUTIES.		
30-36-inch stems, per doz.		$3 00
24 " " "		2.00
20 " " "		1 50
16 " " "		1.00
12 " " "		.75
6 to 8-in. " per 100	$4.00	5.00
		Per 100
Brides	$4 00	6.00
Maids	4.00	6 00
Meteors	4 00	6.00
Gates	4.00	6.00
Carnations	1.00	1.50
" large and fancies	2 00	3.00
Callas per doz.,	1.00	1.25
Sweet Peas	.75	1 00
Violets		1.00
Tulips	2.00	4.00
Daffodils	2.00	3.00
Valley, select		3.00
Asparagus plumosus, per stg,	.50	.75
" Sprengeri		4.00
Ferns per 1000, $3.00;		.30
Galax " 1.25;		.15
Leucothoe sprays		1.00
Adiantum	1.00	1.50
Smilax per doz.,	1.50	2.00

Prices subject to change without notice

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

WEILAND-AND-RISCH

CHICAGO'S RELIABLE

Wholesale Growers and Shippers of

CUT FLOWERS,

59 Wabash Ave., Chicago.

SEND FOR WEEKLY PRICE LIST.

WHOLESALE FLORISTS

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florists

31-35 Randolph St., CHICAGO.

☞ Consignments solicited.....

FRANK GARLAND,

Wholesale Grower of **Cut Flowers**

SPECIAL ATTENTION GIVEN TO HARDY CUT **FERNS**

55-57 WABASH AVENUE,

Telephone Central 3284. CHICAGO.

Please mention the American Florist when writing.

GEO. REINBERG,

Wholesale Grower of *Cut Flowers*

Choice American Beauties.

We will take care of your orders at reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.

Headquarters for American Beauty.

51 Wabash Ave., • CHICAGO, ILL.

Please mention the American Florist when writing.

Wholesale Flower Markets

CHICAGO, Apr. 11.

Roses, Beauty, 30 to 36-inch stems		3.00
" " 24 " "		2.00
" " 20 " "		1.50
" " 15 " "		1.00
" " 12 " "		.75
6 to 8 " " per 100	4.00@	5.00
" Bride, Bridesmaid	3.00@	6.00
" Meteor	3.00@	6.00
" Perle	3 00@	6.00
" Golden Gate	3 00@	6.00
Carnations	1.00@	3.00
Violets	.50@	1 00
Lily of the valley	2.00@	3.00
Harrisii	8.00@	12.00
Callas, per doz. 1.25@.150		
Tulips	2.00@	4.00
Daffodils	2.00@	3.00
Adiantum	1.00@	1.50
Common ferns per 1,000 $2 50		.30
Galax leaves, per 1000 $1.00		.15
Smilax per dozen 1.50@ 2.00		

H. N. BRUNS,

1409-1411 W. Madison St., CHICAGO.

LILY of the VALLEY

Only The Best. Cut and Pips.

CHOICE

LILY of the VALLEY

in large quantities, the finest that is grown, $4 and $5 per 100.

JOHN WOLF. SAVANNAH, GA.

American Florists Ads

Always do business,
Week days and every day
Sundays and holidays,
All over the country,
At home and abroad.

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Avenue, CHICAGO.

JOHN MUNO,

Wholesale Grower and Shipper of **Cut Flowers**

Room 221, 51 Wabash Ave., CHICAGO.

TELEPHONE CENTRAL 3598. All telegraph and telephone orders given prompt attention.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

Please mention the American Florist when writing.

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in **Cut Flowers**

All telegraph and telephone orders given prompt attention.

GREENHOUSES: Morton Grove, Ill.

35-37 Randolph Street, CHICAGO, ILL.

A. L. Randall,

WHOLESALE FLORIST.

4 Washington Street, CHICAGO.

Send for weekly price list and special quotations on 1000 lots.

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CUTTINGS AND BLOOMS.

J. D. THOMPSON CARNATION CO.

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SAMUEL S. PENNOCK,
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1612-18 LUDLOW ST., PH'LADELPHIA, PA.

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GEO. A. SUTHERLAND,
34 Hawley St., BOSTON.
Telephone 1270 Main.
BEST BOSTON FLOWERS. All Supplies. An entire floor Devoted to Stock and Manufacturing. Distributing Agent for United States for the wonderful

"Floral" LETTER, unequalled for design work. Script, any color, 3½c a letter. Block letters, 1½c each. The most elaborate design work to order in a few minutes.

GENERAL AGENTS:
H. BAYERSDORFER & CO., Philadelphia.
REED & KELLER, New York City.

SPECIALTIES THIS WEEK:
Special American Beauty,
CARNATIONS,
Lily of the Valley, Violets.

CITY HALL CUT FLOWER MARKET
WELCH BROS., PROPS.
9 CHAPMAN PLACE,
15 PROVINCE STREET, **Boston, Mass.**

The best market for Growers who can ship good Cut Flower stock.

J. K. ALLEN,
106 West 28th Street,
Telephone 167 Madison Sq. NEW YORK CITY.

N. F. McCARTHY & CO.
84 Hawley St., BOSTON,
ARE RECEIVING ELEGANT ROSES ALL VARIETIES.
DON'T YOU WANTSOME?
Tel. 734 and 64 Main.

Geo. M. Moss,
WHOLESALE FLORIST,
32 South 17th Street, PHILADELPHIA, PA.
Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.

Wholesale Flower Markets

BOSTON, Apr. 9.

Roses, Beauty, extra	20.00@30.00
" " medium	6.00@15.00
" " culls	2.00@ 4.00
" Bride, Bridesmaid, Meteor	1.00@ 4.00
" extra	5.00@10.00
Sweet Peas	1.00
Carnations	1.00@ 2.00
" fancy	2.50@ 3.00
Lily of the valley	2.00@ 3.00
Violets	.30@ .60
Lilies	6.00@ 8.00
Narcissus	1.00@ 2.00
Tulips	1.00@ 2.00
Callas	6.00@ 8.00
Adiantum	1.00
Asparagus	50.00
Smilax	12.00@16.00

PHILADELPHIA, Apr. 9.

Roses, Tea	6.00@10.00
" " extra	10.00@15.00
" Beauty, extra	30.00@40.00
" " firsts	20.00@30.00
" Queen of Edgely, extra	75.00
" " " firsts	25.00
Carnations	2.00@ 4.00
Lily of the valley	4.00@ 5.00
Asparagus	25.00@50.00
Smilax	12.00@15.00

BUFFALO, Apr. 10.

Roses, Beauty	7.00@35.00
" Bride, Bridesmaid, Meteor	6.00@12.50
Carnations	1.50@ 5.00
Violets	.50@ 1.00
Lily of the valley	3.00@ 4.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.50

Give Us a Trial. We Can Please You.

Roses, Carnations and all kinds of Seasonable Flowers in stock.
WM. F. KASTING, Wholesale Commission Florist,
481 Washington St., Buffalo, N. Y.
Dealer in Florists' Supplies and Wire Designs.
Open Day and Night.

Cut Harrisii Lilies.

I am growing the largest batch of lilies in New England. Have over 50,000 Harrisii besides plenty of Japans. Can supply blooms all the time. Can fill orders for any quantity at an hour's notice.

H. N. EATON,
'Phone Connection. SO. SUDBURY, MASS.

MARKETING for flowers is a pleasure if done at the Headquarters of the
NEW YORK CUT FLOWER CO.
Here is the choicest stock of the most eminent growers, fresh every morning and in full variety. Goods selected and shipped to any part of the country. Always room for growers looking for an outlet for good cut flower stock.
DAILY REPORTS. WEEKLY PAYMENTS.
SALESROOMS { 55 & 57 West 26th St., NEW YORK CITY.
TELEPHONES: 2239 Madison Sq. 2034 Madison Sq.
J. A. MILLANG, MANAGER.

EUGENE BERNHEIMER
Wholesale Florist,
Phone 14269 A. 1604 Ludlow St., **Philadelphia.**
CONSIGNMENTS OF ROSES SOLICITED.

AMERICAN FLORIST ADS ALWAYS DO BUSINESS
Week days and every day, Sundays and holidays,
ALL OVER THE COUNTRY AT HOME AND ABROAD.

BEAUTIES VALLEY
Leo. Niessen,
N. W. Cor. Filbert and 13th sts., Philadelphia.

Note the Smile of Satisfaction

When the consignor reads his returns the buyer opens a box of flowers From

JOHN I. RAYNOR, WHOLESALE COMMISSION FLORIST.

Telephone 1998 Madison Square — 49 W. 28th St, NEW YORK.

YOUNG & NUGENT

WHOLESALE FLORISTS 42 West 28th Street, NEW YORK,

Are shipping the finest Roses, Carnations, Valley, Orchids, Novelties, in the New York Market. ——Price List to Applicants.

TELEPHONE 2065 MADISON SQUARE.

Walter F. Sheridan,

Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Telephone Nos. 2239 and 2034 Madison Square.

MOORE, HENTZ & NASH

Wholesale Commission Florists,

65 and 57 West 26th St., NEW YORK CITY.

Adjoining New York Cut Flower Co. salesroom. Finest Salesroom in the Trade. Inspection Invited. All business, selling or shipping, strictly commission.

WHOLESALE WILLIAM GHORMLEY, COMMISSION

RECEIVER AND SHIPPER OF FRESH CUT FLOWERS. DAILY STOCK OF ALL THE CHOICEST VARIETIES FROM BEST GROWERS WHO SHIP TO NEW YORK.

ORCHIDS, ROSES, CARNATIONS, VALLEY.
Largest receiver of VIOLETS in America

Telephone 2200 Madison Square, 57 WEST 28th STREET, NEW YORK CITY.

JOHN YOUNG

Special American Beauties, Surpassing Carnations, Violets, Lily of the Valley, Orchids, and all Seasonable Flowers.

51 West 28th St., NEW YORK.
Tel. 1905 Madison Sq.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR

Violets and Carnations

GROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER,
30 West 29th St., New York.
Telephone 551 Madison Square.

FRANK MILLANG,

CUT FLOWERS,

WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange, NEW YORK.
Telephone 299 Madison Square.

ESTABLISHED 1672.

JOHN J. PERKINS,

COMMISSION FLORIST,

Solicits Consignments or Shipping Orders. Satisfaction given in both.

Write for Terms. 115 West 30th St., New York.

POPULAR WITH THE TRADE.
Therefore a profitable place to send your Flowers.

M. A. HART'S,

48 West 30th St., New York City.
Telephone 325 Madison Square.

Choice Carnations. Selected Roses.

Traendly & Schenck

NEW YORK CITY,
38 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

NEW YORK, Apr. 9.

Roses, Beauty, select	10.00@20.00
" " medium	5.00@ 8.00
" " culls	1.00@ 3.00
" Bride, Bridesmaid	3.00@ 8.00
" Jacq. and Brunner	3.00@12.00
" Liberty	3.00@10.00
" Meteor, Golden Gate	2.00@ 5.00
" All kinds, job lots	.50@ 2.00
Carnations	1.00@ 3.00
Carnations, fancy	3.00@ 5.00
Violets	.25@ .50
Lily of the valley	2.00@ 3.00
Daffodils Tulips	1.50@ 2.00
Freesias Roman Hyacinths	.75@ 1.50
Callas, Lilies	4.00@ 5.00
Sweet Peas	.75@ 1.00
Cattleyas	25.00@35.00
Mignonette	1.00@ 3.00
Smilax	12.00@20.00
Adiantum	.75@1.00
Asparagus	35.00@50.00
" Sprengeri, per doz. bun.	2.00@ 3.00
Lilac, per bunch	.50@ .75

CHAS. MILLANG,

50 W. 29th St.,
NEW YORK.

FORD BROS.

Receivers and Shippers of

FRESH FLOWERS.

Best Violets in New York market.

111 WEST 30TH ST., NEW YORK.
Telephone 157 Madison Square.

Julius Lang

53 West 30th Street, NEW YORK.

REPRESENTS THE BEST GROWERS OF

ROSES, CARNATIONS, VALLEY.

TELEPHONE 280 MADISON SQUARE.

ALEX. J. GUTTMAN,

Wholesale Commission Florist,

A full supply daily of the choicest New York and New Jersey

FLOWERS.

52 W. 29th Street, NEW YORK CITY.
Telephone 1738 Madison Square.

A. H. LANGJAHR,

Wholesale Commission Florist,

BEST FLOWERS SHIPPED AT LOWEST NEW YORK PRICES.

19 Boerum Place, Brooklyn, N. Y.

TELEPHONE 939 MAIN.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.
Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE.

Now in Season:
FREESIAS, DAFFODILS, TULIPS
LILAC, SWEET PEAS and ACACIA.

EDW. C. HORAN,

47 WEST 28TH ST.,
Tel. 421 Madison Square, ...NEW YORK.

CUT FLOWERS AT WHOLESALE.

All Roses, Violets

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

J. E. NORTHRUP, Pres.; S. F. LEONARD, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

Twentieth annual convention, Minneapolis, Minn., June 24-26, 1902.

AUGUST ROLKER & SONS, New York, are now located at 31 Barclay street.

VISITED PITTSBURG: A. T. Boddington, of Clucas & Boddington, New York.

W. ATLEE BURPEE & Co., had the largest mail order day in their business Monday, March 24.

VISITED CHICAGO: Frank T. Emerson, Waterloo, Neb.; B. P. Corneli, St. Louis, Mo.; C. Mertz, Brooklyn, N. Y.

PRESIDENT J. E. NORTHRUP announces that the twentieth annual convention of the American Seed Trade Association will be held at Minneapolis June 24, 25 and 26. The programme will soon be ready.

J. L. BUDD says it is only a matter of a short time when seedsmen will be growing Dwarf Essex rape on irrigated farms in southern Texas. He says that the whole cabbage family thrives surprisingly under irrigation there and that Pearl millet also seeds freely in the vicinity of San Antonio and will soon be receiving the attention of seedsmen.

The State of Trade.

Texas Seed and Floral Co., Dallas, Tex.—"January 1 we moved into our new store, corner of Elm and Ervay streets. Our retail department is 25x100 feet and our warehouse and shipping department is 50x100, two stories high, with a switch in the rear where we load and unload cars. For the last three months we have done the largest trade since we have been in business."

Government Seed Contracts.

The contracts for the government seeds for the coming season have been let subject to the proper appropriation being made by Congress for the payment of the same. Among the seed firms receiving a goodly share of the orders were Northrup, King & Co., Minneapolis; Goodwin-Harries Co., Chicago; J. M. Thorburn & Co., New York; W. Atlee Burpee & Co., Philadelphia; Jerome B. Rice Co., Cambridge, N. Y; F. W. Bolgiano, Washington, D. C.; T. W. Wood & Sons, Richmond, Va; C. C. Morse & Co., Santa Clara, Cal., and smaller lots to other parties.

As showing the tendency to make changes in the list, it will be noted that the contracts were let for 84,000 pounds of cucumber seed and but 6,000 pounds of onion seed.

Philadelphia.

GOOD TRADE KEEPS STOCK MOVING.—FEW PLANTS LEFT AFTER THE EASTER RUSH.—SPRING FLOWERS FROM THE SOUTH.—ALL ABOUT PRICES—MUCH BUILDING CONTEMPLATED.—VARIOUS NOTES.

The more one hears about the Easter trade the better everybody seems to be pleased with it. Scarcely anything is left and there was difficulty getting a little stock to supply the plant demand of the past week. Azaleas were not to be had, either in or out of bud, and about the only plants obtainable were a few spiræas and lilies. Such a clean-up i very gratifying and plans for next Easter are being laid even at this early date. There have been quite a few weddings and other events that required floral decorations and have kept the boys busy and kept the stock of flowers moving. A large out of town demand has kept the commission men busy, in many cases even into the night. Perhaps the most plentiful flower now is the southern daffodil. This is coming into the city in large quantities. The flowers are of good quality and seem to sell very well at from 50 cents to $1 and $2 per hundred. Prices have resumed their normal level; $4 to $5 per dozen buys the special Beauties; the teas sell for $8 to $10 for the best. All the stock coming in is of very fine quality. Carnations are moving lively at from $2 to $3 for the best ordinary, while the extras are held at $4 to $6. Violets are on the wane, although still much in demand.

There is considerable building contemplated the coming summer. Robert Scott & Son will make quite large additions. The H. A. Dreer Company will also erect a large block of glass to house azaleas and other dormant stock. The Floral Exchange is to build another large house at Edgely, a counterpart of the one erected a year ago and which has proved satisfactory in every respect. Their new rose, Queen of Edgely, has had a great run the past season and they intend to plant it largely for next year.

Robert Craig & Son have purchased the block of ground adjoining their present property and which has been occupied by them for a long time. This will give them a full city block and should rapidly increase in value as building operations are in full swing on all sides of them. K.

NORWICH, CONN.—C. F. Jennings, whose greenhouses were recently burned down, has not yet decided whether he will rebuild or not.

SPRINGFIELD, MASS.—On the evening of April 4, A. F. Stevens, of Wellesley, addressed the Amateur Horticultural Society upon "Hardy Roses and Their Culture."

JOHNSON & STOKES' SPECIAL OFFER SWEET PEAS

25 OF THE FINEST NAMED VARIETIES, AT 25 cts per pound. Per oz. 5c; ¼ lb. 10c; 5 lbs. $1.00. (By mail 8 cts. per pound additional.)

Admiration, pink, mauve and primrose.
Black Knight, deep maroon.
Bride, pure white.
Crown Jewel, violet rose.
Captivation, magenta.
Countess Cadogan, blue.
Duke of Sutherland, maroon.
Dorothy Tennant, rosy mauve.
Emily Henderson, white.
Emily Eckford, heliotrope.
Golden Gale, lavender.
Gray Friar, purple and white.
Katherine Tracy, pink.
Lottie Hutchins, cream and pink
Lady Skelmersdale, carmine and white.
Lady Nina Balfour, mauve.
Lady Grisel Hamilton, pale lavender.
Lady Mary Currie, pink and lilac.
Mikado, cerise and white.
Mrs. Gladstone, pink.
Mrs. Dugdale, pink and primrose.
Othello, chocolate red.
Prima Donna, deep pink.
Prince of Wales, rose.
Royal Robe, pink.

Eckford's Large Flowering, mixed, per oz., 5c; ¼ lb. 10c; lb. 25c; 5 lbs. $1.00.
Johnson & Stokes' Giant Hybrids, mixed, 10c per ¼ lb.; 30c per lb.; 5 lbs. $1.25.

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AMARYLLIS Vittata, Gems, 7x8-inch,	$ .20	$2.00
" " " 8x10 "	.30	3.00
	Doz.	100
BEGONIAS, tuberous rooted, separate colors, 1 to 2 inch	$ .30	$2.00
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GLADIOLUS MAY, florists' favorite	.25	1.60
$15.00 per 1000.	Per 100	1000
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Bulbs secured from us will be subject to careful inspection and approval on arrival, and if in any way unsatisfactory, will be made good at once.

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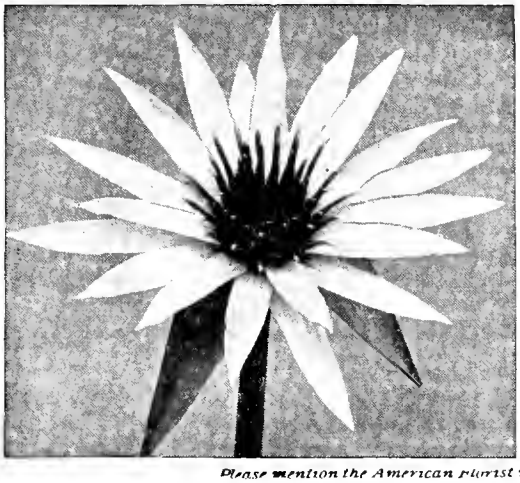

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R. C. BERCKMANS, Pres.; R. J. COE, Vice-Pres. GEORGE C. SEAGER, Rochester, N. Y., Sec'y. Twenty-seventh annual convention, Milwaukee, Wis., June, 1902.

IN Maine the old apple orchards are fifty-one per cent Baldwin, the new ones much less.

OF the Angouleme, one of the largest of the good pears, Ellwanger & Barry say that it attains its highest perfection worked on the quince.

PROF. WAIT, of the U. S. Department of Agriculture, has been at Alvin, Tex., investigating pear blight, where the crop has been practically a failure for the past three years.

THE Texas Nursery and Floral Company, of Sherman, Tex., has changed its name to the Texas Nursery Company and increased its capital stock from $10,000 to $20,000.

PROF. F. A. WAUGH, of the Vermont Agricultural College, recently delivered an address on "The Ben Davis and What it Stands For" before the Maine Pomological Society. He said that he is an old friend of the Ben Davis but that he wouldn't advise a man to grow it except for the general market, where it would go on its looks and keeping properties. He said that the market can't be spoiled, for it is the Italian fruit stand that disposes of the Ben Davis and quality cuts no figure there.

Garden Walks.

ED. AM. FLORIST:—What would make a good walk on clay soil? Most here have gravel, but the walks hold water like a dish, and the gravel sinks into the clay; on an incline, the walks wash out. Would mixing cement, sand and gravel for top layer be advisable? If so how deeply should it be put on? C.

I should recommend cinders as a foundation and gravel (washed) on top, this to be thoroughly wet down and rolled until it forms a smooth surface. Of course, on an incline this will not stand, and if the grade is quite steep the only walk possible is one paved with cobble stone. Stones of the size of a fist or thereabouts do not make a very bad looking walk.

Another way of constructing walks on a steep grade is to put in a few steps at intervals to lessen the grade of the walk. Catch basins should be built near the steps, thereby preventing the water from rushing down the entire length of the walk. This again will necessitate drain tile to be laid as far as the grade is steep and washouts probable. The catch basins can be constructed from 6-inch or 9-inch socket sewer pipe, using a tee for the bottom piece. The best cover is the so-called Bar strainer, which can be bought to fit into the socket or bell of the pipe.

To use a layer of gravel, sand and cement on top of the walk is out of the question, as it would not stand in this latitude except if constructed on the same principle as a cement sidewalk, but such a walk would be too slippery on a steep grade unless corrugated.

Speaking of walks in general, they should only be placed where extreme necessity demands, intruding as little as possible upon the lawn. Comfort and cleanliness are the prime motives for the existence of garden walks and their value depends entirely upon their construction, which should be such as to render them dry and clean at all seasons of the year. In this respect nothing is better than cement or asphaltum. The latter is rarely seen but I think preferable in many ways if expense is of secondary consideration. Asphalt walks are easier to walk on and less obtrusive, on account of their dark color, in the landscape. Either of this class must be corrugated if built on inclines, or they will make walking impossible in freezing weather.

Cement walks, when not built on dry sandy or gravelly land must have a foundation of not less than twelve inches of some porous material like cinders or screened coarse gravel. The concrete itself should be six inches thick, thoroughly mixed in the proportion of one part Portland cement to seven of stone. The latter may consist of limestone, granite macadam or washed coarse gravel. A top finish of from one-half to one inch thickness, consisting of three parts stone or washed gravel to one part Portland cement worked to a smooth surface completes the walk. But the construction of either asphalt or cement walks is better left to a contractor familiar with such work.

Next in durability comes macadam walks. These are constructed of broken limestone or granite. They should not be less than six inches thick and made of stone that will go through a one-inch mesh. After a thorough wetting down and rolling, a thin layer of limestone or granite screenings, or, which is cheaper and better, a little fine hill gravel is spread over the stone. This is again watered and rolled until a smooth and hard surface is obtained. A sprinkling of fine, clean lake gravel makes the walk softer to walk on and gives it a finished appearance. This class of walks will stand more or less washing, but are, as the above mentioned, also quite expensive.

The cheapest and, for all purposes except on inclines, best walks are those built of cinders. They are dry all the year around, with a smooth and easy surface to walk on, and when covered with a thin layer of fine lake gravel have a pretty and natural appearance. But this latter covering is necessary or they will create dust in hot weather. That makes them not only undesirable but a nuisance. Where hill gravel is close at hand good walks can be constructed from this by screening it, using the coarser parts in the bottom and the finer on top. The thickness of such a walk depends entirely on the kind of subsoil, heavy clay demanding more drainage and therefore a heavier layer of the coarse material in the bottom. From six inches to ten inches should be sufficient, covering all circumstances. If the gravel contains vegetable matter it will be necessary to put a thin layer of fine washed gravel on top or the walk will become sticky in spring and fall. A thorough wetting and rolling is as necessary on this class of work as on those mentioned before.

Walks that are properly drained by porous material need very little of the usual top rounding, if any, but they must not under any circumstances be hollow in the center. To build walks entirely out of lake gravel is impossible except with some other material that acts as a binder. The coarser kinds are splendid for the bottom of the walks and the fine parts make the prettiest and most garden-like covering for any walks. In connection with asphalt and cement walks, I should have mentioned that on places where water is apt to stand during the winter months and the proper artificial drainage is impossible, they are a failure. Examples of this kind are to be found in Union Park, Chicago. JAMES JENSEN.

SAN ANTONIO, TEX.—The P. D. Hauser & Sons Floral Company has been incorporated with a capital stock of $50,000, the incorporators being Peter D., Frank H., William T., John H. and George P. Hauser.

Rhododendron Maximum AND Kalmia Latifolia

The two best native Evergreen Shrubs for out-of-door ornamentation. Furnished by car load lots or in smaller quantities. Send for prices, also Special Rhododendron circulars. VINCA MINOR—10,000 3-inch clumps for sale cheap. Fine lot of general nursery stock.

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Strong field-grown, 2 and 3 year plants, 30c to 35c each; $1.00 per dozen.

H. P. ROSES from 4-inch pots, own roots, $1.00 doz.; $10 per 100; 12 kinds.

PAEONIAS, Choice named collection. Distinct named kinds and colors, $1.50 per doz; $10 per 100.

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Seedlings, $10.00 per 1000

Choice plants..6 to 10 in., 75c per 10; $5.00 per 100
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Special prices on large lots Cash with first order. Rhododendron Leaves for festoonings, 50c per 1000

AZALEAS, Yellow, Pink and Red or Flaming, sizes and prices same as Rhododendrons.

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250 of each size at 1000 rates. Boxing at cost.

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grown from top cuttings. 12 in. plants, $3.50 per doz.; 18 in. plants, $5.00 doz.; 20 to 24 in. plants, $7 per doz.

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This is strong healthy stock, from 2 to 3-eyed cuttings and has been repotted from 2-inch. Special prices in Large Lots.

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Fair Maid, $2.00 per doz., $8.0 per 100, $75 per 1000.

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T. Eaton	$4.00	R. Halliday	$4.00
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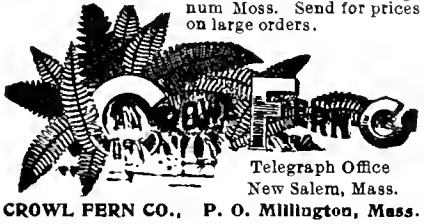
PRINCESS PINE, 5c per lb.

GALAX, green or bronze, 75c per 1000. Laurel festooning, 4c, 5c and 6c per yd. Green or Sphagnum Moss. Send for prices on large orders.



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BRILLIANT BRONZE AND GREEN GALAX, 75c per 1000 in 5000 lots. Satisfaction guaranteed.
SELECTED SOUTHERN WILD SMILAX, $4 and $7 per case. Also **LAUREL FESTOONING**, good and full, 4c, 5c and 6c per yard.
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Ferns Ferns

HARDY CUT FERNS.

Fancy Ferns... $1.25 per 1000
Dagger Ferns....$1.00 per 1000
Northern Pine Trees for planting. Decoratives of all kinds.

All orders by mail or dispatch promptly attended to.

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75 cents per 1000, in 2000 lots or over; single 1000, $1.00.

Also small Green Galax for Violets.

WILD SMILAX,

50 lb. case, $6.00. 35 lb. case, $4.50. 25 lb. case, $3.50.

PALM LEAVES, $1.50 and $2.00 per 100.
FERN, Fancy, $2.00 per 1000.
FERN, Dagger, $1.25 per 1000.

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ABSOLUTELY FRESH.....$7 50 per 1000

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OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 79 Milk St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At New York.

Here is a bunch of nice scores made on the club alleys, Monday evening, April 7:

Player	1st	2d	3d	4th
Smith	153	216	148	157
Burns	158	157	169	166
Thielmann	157	231	200	169
Traendly	126	159	149	181
Hafner	143	158	169	147
Lang	184	200	177	179
Siebrecht	135	142	138	141

At Jamestown, N. Y.

The bowlers resumed their weekly contests after the Easter rush was over and on April 3 the carnation growers defeated the rosarians by the following score:

CARNATIONISTS.	1st	2d	3d	T'l
Scott	127	109	115	351
Lydon	137	119	124	380
Eidens	121	174	132	427
Kaser	121	92	101	314
Dosey	130	121	128	379
Hennon	133	152	145	430
Totals	769	767	745	2281

ROSARIANS.	1st	2d	3d	T'l
Coyne	154	124	158	436
McCue	143	139	161	443
Brooks	119	128	122	369
Gunton	101	103	96	300
Bowyer	146	137	137	420
Vanderhof	85	100	108	293
Totals	748	731	782	2261

A. S.

Omaha.

EASTER BUSINESS NOT HELPED BY INTERVIEWS WITH THE REPORTERS.

Easter business was the best we ever had and the price on lilies was higher, but the trade is not benefited in the least by the interviews in the daily papers in which some of the local florists have quoted top notch prices. It would be better policy to tell the newspapers how cheaply one may obtain a nice plant or bunch of flowers. There are a great many people who would like to buy a bouquet for 50 cents or $1 at such times as Easter or any other special day, but when they read about lilies at $4 a dozen and Beauties at $10 a dozen they go and buy candy with the 50 cents or $1.

GRIPPE.

Columbus, O.

EVERYONE PLEASED WITH THE OUTCOME OF EASTER.—LARGE SUPPLIES OF STOCK WELL CLEANED UP.—PRICES GOOD.

Easter is over and another record has been broken as far as this city is concerned. The weather was anything but ideal on Saturday and Sunday. Those who could take advantage of the beautiful day on Friday to deliver plants were fortunate. There was more call for funeral work than had been experienced for years during Easter week, interfering largely with the regular Easter business. Especially was this the case on Saturday. Stock in general was good, notwithstanding the fact that some of the bulbous material and Easter lilies were a trifle too ripe on account of the warm weather. There were some good azaleas which sold readily, prices ranging from $1.50 to $2.50, the more expensive ones, running above fourteen to sixteen-inch crowns not selling so readily. In cut flowers there was a great demand for everything, with prices ranging about the same as last year except on carnations, those bringing a higher price than at any previous Easter. One dollar per dozen was readily paid, while many sold at $1.25 and $1.50 per dozen. Most tulips brought the usual price of 75 cents per dozen, while well grown Murillos brought $1. This favorite variety, however, must be carefully handled to be just right. As far as can be learned there was no surplus of any kind to cause a slump and growers and dealers alike are happy.

CARL.

Cincinnati.

FAVORABLE WEATHER BRINGS OUT LARGE QUANTITIES OF STOCK.—MANY LINES ARE GLUTTED.—AUCTION MOVES HARDY PLANTS.—VARIOUS NOTES.

We are now having genuine April weather and flowers of all kinds are plentiful. In fact we are having quite a glut of some kinds. The opening of a large carpet house the past week consumed about 20,000 roses, carnations and hyacinths, and several weddings helped to move considerable stock. Prices rule about the same as at last report. The demand for blooming plants is good and there is some call for palms. Smilax is getting scarce. There is an auction sale of clematis, rhododendrons and other hardy plants going on at one of the large auction houses this week and from the number of boxes the different express wagons are hauling about the streets it appears as if there is something doing in this line.

C. L. Washburn, of Chicago, stopped over between trains on his way to Asheville Tuesday. Mr. Washburn says his firm has ten houses planted to Kaiserin roses, the demand for which last summer was simply immense.

A. Sunderbruch's Sons have their hands full this week with funeral work and wedding decorations, having three good-sized decorations in one day.

George & Allan had the decorations for the Anderson-Ellis wedding this week, which was quite a job, using considerable stock.

D.

Washington.

BUSINESS FULLY UP TO BEST PREVIOUS RECORD AT EASTER.—WEATHER NOT THE BEST.

Reports from most of the florists show that the Easter trade was as good as last year, if not better. It rained all Good Friday and Saturday morning early it looked very discouraging, but about 9 a. m. it cleared up and turned out a fine day, which brought the bulk of the trade all in a bunch. Flowering plants were more in demand than cut flowers. Violets in pots and lilies in large pans sold extra well. Wednesday and Thursday the market people made a good display, with lilies and bulbous stock, azaleas and cut flowers.

J. H. Small & Sons made a grand show with a full assortment of flowering plants and A. Gude & Brother, the American Rose Company, J. Louis Loose, Z. D. Blackistone, Geo. C. Shaffer and others made fine displays, several having extra space in which to handle the Easter business. Among the novelties were some Japanese cherries of unique shape and some Japanese maples in leaf, the latter seen at Freeman's. In one of Shaffer's windows was a plant of Euphorbia splendens trained in the shape of a crown.

P. G.

St. Joseph, Mo.

WEATHER CUTS A HOLE IN TRADE.—PLANTS POPULAR AT EASTER.—CARNATIONS POPULAR BECAUSE OF MEDIUM PRICE.

Had the weather been favorable for trade, Easter business here would have surpassed any previous season. The weather for the week up to Saturday was warm and pleasant but the last of the week brought cold, cloudy, dusty weather, which made it very unpleasant for both buyer and seller. All day Sunday the wind blew a perfect gale, with snow and dust flying from every quarter. Stores were almost deserted and overcoats and furs took the place of Easter hats and spring suits. Friday and Saturday there was good demand for potted plants in bloom. Everything nice sold, many preferring them to cut flowers, probably due to the high price of the latter. Carnations took the lead, owing to price and keeping qualities. A great many flowers were shipped in and among them were many sleepy carnations. Why the wholesalers will insist on sending out such worthless stuff is a mystery. The supply of lilies did not begin to go around, but the wholesale price was too high for retailers to handle them with profit. There were few calls for violets, lily of the valley and cut tulips. Cold, rain and snow have prevailed since Easter.

J. N. K.

ANDOVER, MASS—Geo. Piddington, who has been in business here for a number of years, has decided to discontinue and has taken the position as gardener, in charge of the Williams' place, Phillips street. He will dispose of his greenhouses and contents previous to the middle of June.

P. LOEF AZ. & CO.

BOSKOOP, HOLLAND.

SPECIALTIES—Rhododendrons, Azaleas, Clematis, Roses and all kinds of Forcing Plants.

P. J. VAN HEININGEN, Representative.

J. VAN REISEN & SON,

WHOLESALE BULB GROWERS

Voorhout near Haarlem, Holland.

P. J. Van Heiningen, Agent.

Catalogue free on application.

New York Address, 136 WATER ST., care of MALTUS & WARE.

Park Architects and Dealers

will find whatever they want in the

Holland Nurseries, DeBilt near Utrecht

HOLLAND.

SPECIALTIES ARE: Conifers, Evergreens, Hardy Shrubs, Lilacs, Ornamental Trees, Fruit Trees in different forms, Azaleas, Rhododendron Ponticum and Hybridum.

Please send list of your wants and write for general catalogue. We will make you special offers. Write to

GROENEWEGEN & ZOON,

De Bilt, near Utrecht, Holland.

ARE YOU INTERESTED IN

American Beauties?

We have now over 10,000 in sand and pots, up to 3-inch. Write us.

GEO. A. KUHL, PEKIN, ILL.

Please mention the American Florist when writing.

Directory for 1902.

Price $2.00 Postpaid.

THE AMERICAN FLORIST COMpany's Trade Directory for 1902, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 418 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Private Gardeners, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information. Published by the

American Florist Co.

324 Dearborn St., Chicago, Ill., U. S. A.

Contains 418 Pages.

Now Ready

Paterson, N. J.

RECENT BLOW TO CITY DOES NOT IMPAIR BUSINESS.—GROWERS AND RETAILERS REPORT GOOD SEASON.—CHANGES.

Despite the terrible fire and flood that visited this city a month ago, Easter trade was better than it has been in years. All the stores report a first-class business. Sceery had a special sale of lilies all of Easter week and sold them at 10 cents per bud. He had 4,000 plants and sold out clean. The other stores all held them at from 15 cents to 20 cents per bud.

Wm. L. Hendermark has left W. E. McAllister, of Passaic, and opened a store there of his own, just in time for Easter. He reports doing a land-office business, and is fitting up a "swell" store in the old Postoffice building.

A. V. D. Snyder, of Ridgewood, reports doing the best local Easter business that he has ever enjoyed. He also shipped enormous quantities of bulbous stock to New York. He will grow more fancy carnations next year.

John Condie, formerly of Paterson, but now of Sommerville, N. J., paid a visit to his old friends here at Easter time. He is looking well and reports everything in fine shape at his new place.

Trade since Easter has been fair, but mostly funeral work. SILK CITY.

Springfield, Mass.

BIG CALL FOR PLANTS AT EASTER.—VIOLETS LED THE CUT FLOWER SECTION.

Easter business was far ahead this year, although the weather was very much against us on Friday. Saturday the rush commenced and everyone's facilities were taxed to the utmost. In potted plants azaleas, rhododendrons, lilacs, Ramblers, cytisuses, acacias, spiræa, lilies, hyacinths, daffodils, tulips and valley sold well at prices ranging from $1 to $5, but in azaleas plants at from $1 50 to $3 were most sought after. In cut flowers daffodils, tulips, Narcissus poeticus and valley were equal to the demand. Roses and carnations were none too plentiful. Violets, I think, took the lead, many thousands being sold. In made up baskets some very nice work was done. Ramblers, lilies and so forth were trimmed with ribbon. All the store men report sales far ahead of last year, with an increase for potted plants in flower. Palms and ferns were not called for.

A. B.

All The Best CARNATIONS

Cressbrook (pink), Oriole (scarlet), Mrs. Nelson (pink), $1.50 per doz.; $10 per 100. Mrs. Palmer (scarlet), Mrs. Higinbotham (salmon pink), Alba (large white), Stella (variegated). Dorothy Whitney (yellow), Apollo (scarlet), $2.00 per doz.; $12.00 per 100.

	Per 100	Per 1000
Estelle, Best Scarlet	$5.00	$40.00
Norway, Large White	5.00	45 00
Prosperity, Fancy	6 00	45.00
Queen Louise, White	5.00	45 00
Dorothy, Productive Pink	5.00	45.00
Morning Glory, Lt. Pink	2.50	20 00
Marquis, Largest Pink	2.50	20.00

Fine stock of rooted cuttings of above and twenty-five other kinds. Get our prices on what you need.

GEO. HANCOCK & SON,
GRAND HAVEN, MICH.

Carnation Cuttings Perfectly Healthy. Propagated From Choice Stock. NOW READY.

Queen Louise. The Best White Commercial Carnation, $5.00 per Hundred; $40.00 per Thousand.

	Per 100	Per 1000
PROSPERITY	$6.00	$50.00
MRS. THOS. LAWSON	4.00	35.00
GOV. ROOSEVELT	6 00	50.00
HOOSIER MAID	4.00	
IRENE	4.00	
EGYPT	4.00	
MARQUIS	2.50	20.00
VICTOR	2.00	
GOMEZ	$2.00	
CROCKER	1 50	$12.50
GENEVIEVE LORD	1.50	12.50
DAYBREAK	1.50	12.50
ELDORADO	1.50	12.50
JUBILEE	1 50	12.50
PORTIA	1.50	12.50

J. L. DILLON, Bloomsburg, Pa.

Carnation Cuttings...

Well rooted, from clean, healthy stock, cool grown.

	Per 100	Per 1000
ROOSEVELT	$4.50	$40.00
PROSPERITY	3.50	30.00
NORWAY	3 50	30.00
LAWSON	3.50	30.00
LORNA	3.50	30.00
MORNING GLORY	2.50	20.00
CRANE	1.50	12.50
EGYPT	$1.75	$15.00
GENEVIEVE LORD	1.25	10.00
WHITE CLOUD	1.25	10.00
TRIUMPH	1.25	10.00
MME. CHAPMAN	1.25	9.00
FLORA HILL	1.25	9.00
PERU	1.25	9.00

VIOLETS—Imperial, Farquhar, Marie Louise, Lady Campbell and Swanley White. Write for prices on 2-in. pots. WE SOLICIT YOUR ORDERS AND WILL GUARANTEE SATISFACTION.

GRAND RAPIDS VIOLET CO., Grand Rapids, Mich.

CRESSBROOK. The coming Pink Carnation for everybody to grow.

Baltimore, Feb. 21, 1901, it scored 94 Points, the highest of any seedling. Cressbrook has never shown disease of any kind and is an extra free bloomer. Size of flowers under ordinary culture, 3 to 3½ inches.

Orders will be delivered in rotation on and after Jan. 1, 1902, at the following prices:

12 plants	$ 1.50	250 plants	$25.00
25 plants	3.00	500 plants	37.50
50 plants	5.00	1000 plants	75.00
100 plants	10.00		

C. WARBURTON, FALL RIVER, MASS.

Cressbrook may be seen growing at

THE E. G. HILL CO'S., Richmond, Ind., and at WM. NICHOLSON'S, Framingham, Mass.

3 Weeks Only.

	Per 100	Per 1000
MERMAID, salmon pink	$3 00	$25.00
CRANE, scarlet	1.50	12 50
EVANSION, red	1.25	10 00
JOOST, pink	1 25	10.00
HILL, white	1 25	10 00
ARGYLE, pink	1.25	10.00
AMERICA, scarlet	$1.25	$10 00
CROCKER, pink	1.25	10.00
GENEVIEVE LORD, pink	1.25	10 00
WM. SCOTT, pink	1.25	10 00
MARQUIS, light pink	1.25	10.00
WHITE CLOUD, white	1.25	10.00

The above are all transplanted Rooted Cuttings.

MITTING FLORAL CO., Loomis, Cal.

Carnation Floriana

We believe this to be the best pink carnation introduced to date, was disseminated in the spring of 1901 by originators, Messrs. Fillow & Banks. Price, $6.00 per 100; $50.00 per 1000. 50 at 100 rate, 500 at 1000 rate. Less than 50, 8c each.

DAILLEDOUZE BROS. Carnation and Chrysanthemum Specialists, FLATBUSH, BROOKLYN, N. Y.

ROSES! ROSES!

We are headquarters for Roses. Our sales this year of rose plants will be upwards of 3,000,000, an easy amount to say, but not so easy to handle, get ready for sale and pack for shipment. We sell each year, more roses than any three firms in the world. Patrons who buy our roses, become permanent customers, for they grow and bloom. If you have never tried our stock, you had better begin now.

Roses from 2-inch pots, your selection of varieties for 50 cents per dozen; $2.50 per 100; and $22.50 per 1000. You can select 25 at hundred rates, or 250 at thousand rates. Our selection of varieties, $2.25 per 100, or $20 00 per 1000.

Augustine Halem
America
Aline Sisley
Andre Schwartz
Antoine Verdier
Anna Ollivier
Agriopina
Arch Duke Charles
Beauty of Stapleford
Bon Silene
Baltimore Belle
Barbou Job
Bridesmaid
Bougere
Christine de Noue
Crown Princess Victoria
Cloth of Gold Sort
Catherine Mermet
Cornelia Cook
Crimson Rambler
Celine Forestier
Claire Carnot
Caroline Marniesse
Cloth of Gold
Coquette de Lyon
Comtesse Riza du Parc
Climbing Meteor
" Malmaison
" Wootton
" Bridesmaid
" Marie Guillot
" Paul Neyron
Duchess de Brabant
Duchess of Edinburgh
Dr. Grill
Devoniensis
Douglas
Enfant de Lyon
Empress of China
Empress Eugenie
Francis Dubreuil
General Tartas
Golden Chain
Gold of Ophir
Gardenia
Golden Gate
Gruss an Teplitz
Helene
Henry M. Stanley
Isabella Sprunt
J. B. Varrone
Jersey Beauty
James Sprunt
Jules Finger
La Princesse Vera
La Sylphide
Louis Phillipe
Louis Richard
Lamarque
Mme. de Vatry
Mme. Hoste
Mme. Eli Lambert
Mme. Welche
Mme H. Defresne
Mme. J. Schwartz
Mme. F. Kruger
Mme. Lambard
Mme. Margottin
Mme. C. Kuster
Mme. de St. Joseph
Monthly Cabbage
Mary Washington
Meteor
Mosella
Maid of Honor
Malmaison
Muriel Graham
Mrs. Robert Garrett
Mrs. Lovett
Marquise de Vivens
Monsieur Furtado
Media
Marie Guillot
Papa Gontier
Pink Soupert
Princess Sagan
President Carnot
Psyche
Pink Rambler
Queen's Scarlet
Queen of the Prairie
Rainbow
Russell's Cottage
Reine Marie Henriette
Snowflake
Safrano
Sombreuil
Striped La France
South Orange Perfection
Solfaterre
Sanguinea
Tennessee Belle
The Queen
The Bride
Triomphe de Pernet pere
Viscountess Folkstone
White Bon Silene
White La France
White Rambler
Wichuraiana
Yellow Rambler
Zelia Pradel

ROSES from 2 1-2-inch pots 50 cents per dozen; $3.00 per 100; or $25.00 per 1000.

Antoine Rivoire
Hermosa
Kaiserin A. Victoria
Mrs. Mawley
Maman Cochet
Pierre Guillot
Souv de Mme. E. Couvin
Souv. de Wootton
White Maman Cochet

NEW ROSES from 2 1-2-inch Pots.

	Doz.	100		Doz.	100		Doz.	100
Admiral Dewey	$ .60	$4.00	Helen Gould, new forcing rose	$ .60	$4.00	Mme. E. Duranthon	$ .60	$4.00
Bessie Brown	1.00	6.00	Lady Mary Cory	.60	4 00	Rosaman Graveaux	.60	5 00
Climbing Soupert	.75	5.00	Lady Claunorris	.75	6.00	Wichuraians, variegated foliage	.75	5.00
Gladys Harkness	.75	6 00	Meta	.60	6.00			

HYBRID PERPETUAL ROSES. Fine strong plants from 2 1-2-in. pots for 60c per Doz.; $3.00 per 100; $27.50 per 1000.

Ball of Snow
Coquette des Alpes
Duke of Edinburgh
Dinsmore
Francois Levet
General Jacqueminot
Gloire de Exposition Brussels
La Reine
Lady Helen Stewart
Marchioness of Lorne
Mme. Alfred de Rougemont
Magna Charta
Mme. Chas. Wood
Mme. Masson, the best red Hybrid
Paul Neyron
Perfection des Blanches
Roger Lambelin
Triomphe des Beaux Arts

GENERAL COLLECTION OF PLANTS. Order Now before everything is sold. All plants from 2 1-2-inch pots, unless otherwise noted. All Fine Stock.

	Per Doz.	Per 100	Per 1000
Aloysia Citriodora (Lemon Verbena)	.30	$ 2.00	$18 00
Acalypha Sanderi	.50	3.00	
Asparagus Sprengeri, fine	.50	2.50	20.00
Asparagus Plumosus, extra fine	50	3 00	25.00
Araucaria Excelsa, 4 tiers, 16 in. high, ...each 75c		60.00	
Araucaria Excelsa, 5 tiers, 20 in. high, each $1.00	$9.00	70 00	
Azalea Mollis, 15 to 25 buds	2 50	16.00	
Ampelopsis Veitchi, 2½-inch pots	.50	3.00	
Ampelopsis Veitchi, field grown, 5 feet	1.50	11.00	
Abutilons, 10 best sorts	.40	2.00	18.00
Abutilon Souv. de Bonne	.50	3.00	25.00
Ageratum, Princess Pauline, Stella Gurney and White Cap	.35	2 50	20.00
Alyssum, Giant flowered, double	.30	2.00	15.00
Achillea The Pearl	.40	2 50	20.00
Apios uberosa	.30	2.00	
Anemone Whirlwind	.40	2.00	18 00
Anemone Queen Charlotte, new pink	.50	3 00	25.00
Amaryllis Formosissima	.75	5.00	
Begonias, flowering, 10 sorts	.40	2.50	20.00
Bougainvillea Glabra, new extra	.50	2.50	20.00
Box, Ornamental, evergreen for borders	.30	2.00	15.00
Crotons	.60	4.00	
Clematis, large flowering, 2-year	3.50	25.00	
Camellia Japonica, fine plants, 18 in. to 2 feet	6.00	45.00	
Calla Richardia, Spotted Calla	.40	3.00	
Cyperus, Umbrella Plant	.30	3.00	20.00
Cyclamen Persicum Giganteum	.50	3 00	25.00
Coleus, best sorts	.30	2.00	
Caladium Esculentum, 3 inches in diameter	.50	3 00	
Caladium Esculentum, 4 to 5 inches in diameter	1.00	6.00	
Cannas, started, Austria	.30	2.00	15.00
Alphonse Bouvier	.50	3.00	
Alsace	.40	3.00	25 00
Burbank	.40	3.00	25 00
Chas. Henderson	.40	3.00	25.00
Egandale	.50	4 00	
Florence Vaughan	.50	3.00	30.00
Italia	.30	2.00	15.00
Bronze Beauty	.30	2.00	15.00
Mme. Berat	.50	3.00	25.00
Paul Marquant	.30	2.00	15.00
Cuphea Llavæ Tricolor	.40	2.50	
Cooperia Drummondii	.25	1.50	
Cactus, Queen of Night	.40	2.50	
Cinnamon Vine	.30	2.00	
Crinum, Milk and Wine Lily, fine bulbs	1.50	10.00	
Crinum, Milk and Wine Lily, extra large	2.50	15.00	
Dracæna Indivisa	.30	2.50	20.00
Daisies, Marguerite, white, yellow and blue	.40	3.00	25.00
Eulalia Gracillima	.40	2.50	
Ficus Elastica, 12 to 15 inches	4.00	25.00	
Ficus Elastica, 18 inches	5.00	30.00	
Ferns, Boston, fine plants	.40	2.50	22.50
" " in lots of 5,000 or over			20 00
Pteris Tremula	.50	4.00	
Pteris Wimsetti, fine for dishes	.40	3.00	
Feverfew, Little Gem	.30	2.00	15.00
Fuchsias, leading sorts	.50	3.00	

	Per Doz.	Per 100	Per 1000
Genista Canariensis	$ .60	$ 3.00	
Geraniums, leading sorts	.50	3.00	
Apple Scented	.50	3 00	
Pelargoniums, or Lady Mary Washington, 12 best kinds	1.00	7.00	$65.00
Grevillea Robusta	.30	2.00	15.00
Gladioli, best mixture		1.25	10.00
Hibiscus, 10 best sorts	.40	3.00	25.00
Peachblow	.50	4.00	35.00
Heliotrope, 6 best sorts	.40	2.00	18.00
Hydrangea Otaksa	.50	3.00	25.00
Impatiens Sultani	.30	2.50	20.00
Honeysuckles	.40	3.00	25.00
Hova Carnosa, 3-inch pots	.75	6.00	
Helianthus, Hardy Sunflower	.40	2.50	
Jasmines, 6 best kinds	.50	3.00	
Lilies, hardy, best kinds	1.00	7.00	
Lantanas, 10 best bloomers	.40	3.00	25.00
Lemon Pond-rosa, a grand plant, 2½-inch pots	.60	5.00	40.00
3-inch pots, 12 inches high	1.25	8.00	
4-inch pots, strong	1.50	11.00	
5-inch pots, strong, 20 inches high	2.00	15.00	
8 inch pots, extra strong, 2½ to 3 feet high	6.00	40.00	
Linum Trigynum	.30	2.00	
Madeira Vine Tubers	.25	1.50	
Mahernia or Honey Bells	.30	2.00	
Matrimony Vine	.50	3.00	
Orange, Otaheite	.50	3.00	
Orange, Otaheite, strong plants	1.00	8 00	
Oleanders, 2 sorts, pink and yellow	.50	3.50	
Pæonias, best assortment	1.50	10.00	
Pinks, Hardy Scotch, best sorts	.40	3.00	25.00
Primula Forbesi, Baby Primrose	.40	2.50	20.00
Privet, California, 2 to 2½ feet	.50	3.50	
Plumbagos Lady Larpent, hardy blue	.40	2.50	
Sanguinea, deep pink	.50	3 00	
Capensis Alba, white	.50	3.00	
Palms, young plants for growing on, 2½-in. pots			
Livistona Sinensis, dwarf Jap. palm	.40	2.50	
Phœnix Canariensis	.40	2.00	
Phœnix Reclinata	.50	3.00	
Seaforthia Elegans, 8 to 10 inches	.60	4 00	
Chamærops Excelsa	40	2.50	
Washingtonia Filifera	.40	2 50	20 00
Latania Borbonica	.40	2.50	20.00
Rudbeckia Golden Glow	.40	3.00	
Russelias, two new sorts	.40	2.50	20.00
Swainsonia, pink and white	.40	2 50	20.00
Smilax	.30	2.00	15.00
Spiræa Anthony Waterer, 2½-inch	.40	2 50	20.00
Spiræa Anthony Waterer, field grown	.60	4.00	35.00
Salvias, all colors	.40	2.50	20.00
Sansevieria Zeylanica	.40	2 50	20 00
Stephanotis Floribunda	.40	2.50	20.00
Vinca Major Variegata	.40	2 50	20.00
Trifoma, New Everblooming	.75	6.00	
Vinca Major Variegata, 3-inch, strong	1.00	6.50	
Violets, double best sorts	.50	3.00	
Hardy Russian	.40	2.50	20.00

Our new trade list for April and May is now ready. Write for it.

THE GOOD & REESE CO., Springfield, O.

The Largest Rose Growers in the World.

Buffalo.

BAD WEATHER CUTS INTO FLOWER BUSINESS BUT EVERYONE SEEMS SATISFIED.—VARIOUS NOTES.

Friday and Saturday before Easter were disagreeable days, but the aggregate of Easter sales seems to have satisfied everyone in the trade. The supply of stock was equal to the demand, unless it was on violets and Meteor roses. Lily plants were plentiful, despite the early cry of scarcity, and with few exceptions the old prices prevailed. Pans of hyacinths, tulips and daffodils sold well and more expensive plants moved as briskly as could be expected, all except Rambler roses, which were not as salable as last year, nor as good in quality. The stores all made handsome window displays, Palmer, Anderson, Adams, the Rebstocks and Zimmerman making nice showings of plants and cut flowers. At the greenhouses things looked equally well and good business was reported. The market men also had a big trade and Kasting says receipts were pretty well cleaned up.

Chas. H. Keitsch, at his new store, reports good business.

C. F. Christensen has been ill, but is now improving.

J. B. Weise has been in Philadelphia on a business trip.

Palmer was out with his automobile delivery again. W. A.

Kewanee, Ill.

PROGRESSIVE FIRM PLANS EXTENSION OF ITS BUSINESS.—A NEW RANGE.

Hamilton & Plummer have enjoyed a very prosperous season and are facing a spring trade which promises to overtax their facilities. The result is that they have decided to practically double their equipment during the approaching summer. They have secured five acres of land just outside the city and here will erect a range of four large modern houses, with heating plant and accessory buildings. Here they will grow roses and a portion of the stock of miscellaneous plants. The old place in town will be devoted to carnations, palms and bedding stock and will be selling headquarters, with C. M. Hamilton doing the growing. F. W. Plummer will be in charge of the new range. It is proposed to largely extend the business, not only locally but by means of a wholesale trade in plants and rooted cuttings, and perhaps by forcing vegetables for local consumption.

Rose Plants for Sale

GOOD CLEAN STOCK, WELL ESTABLISHED.

Brides, Bridesmaids, Meteors and Golden Gates, 2-in. rose pots, $30 per 1000; 3-in. rose pots, $45 per 1000; 4-in. rose pots, $60 per 1000.

Chrysanthemum Rooted Cuttings.

TIMOTHY EATON, $3 per 100.

The following varieties at $1.50 per 100.
White, early, Fitzwygram, Kuno, White Glory of the Pacific.
White, midseason, Ivory, Snow Queen, Evangeline, Mrs. H Robinson.
White, late, Mrs. Jerome Jones.
Pink, late, Mrs. Murdock.
Red, Malcolm Lamond, Intensity.
Bronze, Oakland.
Yellow, early, Yellow Fitzwygram, Marion Henderson.
Yellow, midseason, Bonnaffon, Mrs. O. P. Bassett.
Yellow, late, Yellow Jerome Jones.
Pink, early, De Montmort, J. K. Shaw, Glory of the Pacific.
Pink, midseason, Xeno, Viviand-Morel, Pink Ivory.

Greenhouses, HINSDALE, ILL. **BASSETT & WASHBURN,** Store, 76 Wabash Ave., CHICAGO.

New Chrysanthemum "CREMO"

FIRST-CLASS CERTIFICATE FROM C. S. A.

The best early yellow Chrysanthemum to date; comes in with Glory of Pacific, from which it is a sport. A beautiful soft shade of yellow, the color being much more distinct than is usual with sports. It just fills a vacancy in yellow at that season.

PRICES FROM 2¼-INCH POTS.

35c each; $3.00 per dozen; $20.00 per 100.

McMILLAN & SONS, Hudson Heights, N. J.

ROSES

Brides and **Bridesmaids,** 2½-in. pots at $15 per 100. Good clean stock and well rooted.

C. S. Foote, Downers Grove, Ill.

CARNATIONS

Rooted Cuttings of all the new 1902 and best standard varieties. Send for price list.

WILLIAM SWAYNE,
BOX 226. KENNETT SQUARE, PA.

GERANIUM DRYDEN

The finest bedder; silver medal at Buffalo last year. $6.00 per 100, 2½-inch pots; $3.00 per 100, rooted cuttings. Cash please.

Henry Eichholz, Waynesboro, Pa.

BOBBINK & ATKINS,

Plant and Bulb Merchants,

RUTHERFORD, N. J.

The American Florist Company's

DIRECTORY

contains the names and addresses of the Florists, Nurserymen and Seedsmen of the United States and Canada. PRICE, $2.00.

GERANIUMS.

We have ready for immediate delivery strong, thoroughly established plants from 2 1-4 and 2 1-2 inch pots, according to vigor of variety, in the following kinds:

Mme. Buchner, Countess d'Harcourt, Rene Bazin, Mme. Rozain, Eulalia, $3.50 per 100.

Beaute Poitevine, Mme. Laudry, Richelieu, Mme. Chas. Molin, Mme Barney, Comtesse de Castris, S. A. Nutt, Marvel, Mme. Ph. Labrie, Mme. Desbordes, Valmore, Marie Fournier, $4.00 per 100.

Alphonse Riccard, John Doyle, $4.50 per 100.

Jean Viaud, Mme. Charrotte, $5.00 per 100.

Pasteur, $8.00 per 100.

Le Soliel, $10.00 per 100.

THE COTTAGE GARDENS,

QUEENS, L. I.

A. W. SMITH'S MOON VINES,

IPOMOEA NOCTIFLORA,

Now ready. Earliest moon vine grown, flowers pure white, look like wax and large as a saucer. I have a full supply of these vines, which are ever in great demand. 2¼-in. pots, $5.00; 4-in. pots ready May 1, from $8.00 to $10.00 per 100.

GODFREY ASCHMANN,
1012 ONTARIO ST. PHILADELPHIA.

VioletPlants

LADY CAMPBELL, sand rooted cuttings, $8 per 1000
LADY CAMPBELL plants from 2-in. pots, 25 per 1000
SWANLEY WHITE plants from 2-in. pots, 30 per 1000

Write us for prices on Carnation Cuttings.

Wire Work.

We can discount any list you ever saw. Write us.

KENNICOTT BROS. CO.

Wholesale Commission Florists and Dealers in all Florists' Supplies.

42-44 Randolph St. CHICAGO.

The New White

That is Hard to Beat. Rooted Cuttings from flats. A No. 1, stuff. Per 100, $4.50; per 1000, $40.00.

Vaughan's Seed Store, CHICAGO New York

CARNATIONS

Well Rooted and Healthy.

	Per 100	Per 1000
PROSPERITY, white overlaid with pink	$6.00	$50.00
GOV. ROOSEVELT, crimson	6.00	50.00
QUEEN LOUISE, white	4.00	40.00
BON HOMME RICHARD, white	4.00	30 00
IRENE, pink	4.00	30.00
TRIUMPH, pink	2.00	15 00
WHITE CLOUD, white	2.00	15.00
THOS. W. LAWSON, pink	4.00	35.00
MARQUIS, pink	2.50	20.00
G. H CRANE, scarlet	2.00	15.00
AMERICA, scarlet	2.00	15 00
MRS. BRADT, variegated	2.50	20.00
GUARDIAN ANGEL	1.75	15.00

MICHAEL WINANDY,
DEVON AVE. AND NORTH ROBEY. **CHICAGO.**

WELL GROWN ROSES

Beautiful Young Stock, breaking at every eye. Will make Large Plants Early.....

	100	1000
Bridesmaids, Brides, 2x3 rose pots	$2.50	$22.50
Maids, Brides, Gates, rooted cuttings	1.50	12.00
Perle, rooted cuttings	2.00	15.00

All Select Two and Three-Eye Cuttings.

Carnations. Marquis, Jubilee, Flora Hill, $1.25 per 100; Scott, $1.

W. H. GULLETT & SONS, Lincoln, Ill.

ORDER YOUR ROSE STOCK NOW

and we will ship at your command. We have 40,000 to 50,000 in 2x2½, 2½x3 and 3-in. We believe in shifting Young Roses often. All stock offered in 2½-in. has been shifted from 2-in. and is equal to most stock advertised as 3-in., and when we send it out is well established. Meteors, Maids, Brides, Perles, La France, Wootton, Pres. Carnot, Belle Siebrecht, Kaiserin, Golden Gate, Liberty and Am. Beauties, are the varieties we grow. Send $1.00 for samples of varieties you want and write

GEO. A. KUHL, Pekin, Ill.

Roses Brides, Maids and Golden Gates. 2½ inch stock in fine condition. $2.25 per 100; $18 per 1000. Ready for delivery.

West View Floral Co., Knightstown, Ind.

CARNATION CUTTINGS

All the new and standard varieties, free from rust and all other diseases. Our stock is in fine shape and all cuttings are well rooted when sent out.

	Per 100	Per 1000
HIGINBOTHAM	$12.00	$100.00
MRS POTTER PALMER	12.00	100.00
PROSPERITY	4.00	30.00
NORWAY	5 00	40.00
IRENE	3.00	25.00
LAWSON	3 00	25.00
BON HOMME RICHARD	3 00	25 00
HOOSIER MAID	3.00	25.00
CRANE	1.25	10.00
THE MARQUIS	1.25	10.00
GENEVIEVE LORD	1.25	10 00
ARGYLE	1.00	7 50
GUARDIAN ANGEL	1.25	10.00

	Per 100	Per 1000
FRANCES JOOST	$ 1.00	$ 7.50
CERISE QUEEN	1.00	7.50
TRIUMPH	1.25	10.00
FLORA HILL	1.25	10.00
WHITE CLOUD	1.00	8.00
PERU	1.00	7.50
AMERICA	1.25	10.00
MRS. L. INE	1.50	12.50
MRS. BRADT	1.75	15.00
ARMAZINDY	1.25	10.00
EVANSTON	1.00	7.50
ESTELLE	5.00	40.00

ROSE PLANTS.

2½-in. pots.	Per 100	Per 1000
METEOR	$3 00	$25.00
PERLE	3.00	25.00

2½-in. pots.	Per 100	Per 1000
GOLDEN GATE	$3.00	$25.00
LIBERTY	12.00	100.00

ROOTED ROSE CUTTINGS.

	Per 100	Per 1000
GOLDEN GATE	$1.50	$12.50

	Per 100	Per 1000
PERLE	$1.50	$12.50

All Plants and Rooted Cuttings sold under express conditions that if not satisfactory when received they are to be returned immediately, when money will be refunded.

Write for prices on large quantities.

Peter Reinberg, 51 Wabash Ave., Chicago

MRS. Higinbotham

The Great Light Pink of the future; another fine batch ready to ship. $12 per 100; $100.00 per 1000. Only a few more left of the grand scarlet.

Mrs. Potter PALMER.

$12.00 per 100; $100.00 per 1000.

CHICOT.

The new free blooming White. Striped at times similiar to Armazindy. It is a fine thing as a Commercial Carnation; $6 per 100; $50 per 1000.

We Also Have

Stock of the following varieties which is bound to please you.

	Per 100	Per 1000
PROSPERITY, from soil	$4 00	$30.00
NORWAY, white from soil	5 00	40.00
G. H CRANE, scarlet, from soil	1.50	12.50
ROOSEVELT crimson	5.00	40.00
NYDIA, free variegated	2 00	15.00
GEN. GOMEZ, crimson	2.00	15 00
GUARDIAN ANGEL, pink	2.00	15.00
CROCKER, pink	2.00	15.00
AVONDALE, pink	2.00	15.00
IRENE	2 00	18.00

CHICAGO CARNATION CO., JOLIET, ILL.

Please mention the American Florist when writing

ROOTED CUTTINGS

CARNATIONS.

	Per 100	Per 1000
PROSPERITY	$4.00	$30.00
IRENE	3.00	25.00
MRS. LAWSON	3.00	25 00
MARQUIS	1.25	10.00
G. H. CRANE	1.25	10.00
FLORA HILL	1.25	10.00

	Per 100	Per 1000
MRS. JOOST	$1.00	$6.00
WHITE CLOUD	1.25	10.00
WM. SCOTT	1.00	6.00
ETHEL CROCKER	1.25	10.00
GUARDIAN ANGEL	1.25	10.00
AMERICA	1.25	10.00

ROSE PLANTS from 2½-in. pots.

	Per 100	Per 1000
METEOR	$3 00	$25.00
PERLE	3.00	25.00
BRIDE	3.00	25.00

	Per 100	Per 1000
BRIDESMAID	$3.00	$25 00
GOLDEN GATE	3 00	25.00
KAISERIN	3.00	25.00

The above named stock is clean, well rooted and free from disease.

GEO. REINBERG, 51 WABASH AVENUE, CHICAGO.

Please mention the American Florist when writing.

Worcester, Mass.

PLANT SALES VERY HEAVY.—LILIES GREATLY IN THE LEAD AND NOT WANTED CUT.—A FINE DECORATION.

Although we had the usual rainy Saturday before Easter, trade on the whole was considerably better than last year. The demand for lilies was greater than ever before and was almost exclusively for plants in pots. Many thousand more could be handled, but several had inferior lilies left over. Azaleas were next in demand and plenty of good plants were available; the lighter colors were most popular. Ramblers were in good supply and sold well and the same can be said of cyclamens. Acacia pubescens was to be had in limited quantity and moved quickly. In cut flowers stock was plentiful but cleaned up well, although sales were rather slow in starting. Violets and valley were used almost exclusively for street wear and large quantities were disposed of.

Lange had the Roy-Sparrell wedding, March 31, the largest of the Easter weddings. The church decorations were entirely of lilies and palms, and pink and white roses were used exclusively at the residence. H. F. A. Lange has returned after two months' hunting in North Carolina. A. H. L.

Alliance, O.

BUSINESS GOOD, BOTH AT EASTER AND SINCE.—LILIES SHOWED DISEASE.

L. L. Lamborn reports Easter trade better than in any previous year, both in his store at Canton and in Alliance. Everything sold well. Roses, carnations and bulbous stock were his principal cut flowers. In plants, lilies, azaleas, cinerarias, tulips, daffodils, hyacinths in pots and pans all sold well. Azaleas brought from $2 to $2.50. He had the same trouble with lilies that everybody experienced all over the country. Those that were good averaged eight to eleven flowers on a "7 to 9" bulb. He had a fine rose crop for Easter, the credit being due to the grower, Harry T. Miller. Mr. Lamborn has a plant of 30,000 feet of glass to which he intends building two additional houses each 100 feet long this summer.

Mr. Weaver, of Massilon, reports a very good Easter. He sold out of everything in the line of cut flowers and plants, realizing very good prices.

Trade has kept up very good in funeral work since Easter. LEROY.

THE GRANDEST NEW FORCING ROSE

Souvenir de Pierre Notting

The Best, The Finest, The Most Free Blooming of all Forcing ROSES, color deep yellow; will be distributed for the first time April, 1902

—BY THE RAISERS—

SOUPERT & NOTTING,

ROSE GROWERS.

LUXEMBOURG, (Europe).

Net price, $80.00 per 100; $1.00 each. Write for lithographs.

The Sensational New Rose for 1902.

MRS. OLIVER AMES.

For description, prices, etc., see Trade List.

Henry A. Trask, Editor of "North American," says in a letter dated Feb. 19th, 1902. The box of roses arrived safely last Saturday afternoon. Please accept my thanks. To my mind they are the realization of the ideal. Yours very truly, H. A. TRASK, Editor.

$100.00 IS OFFERED IN PRIZES for Cut Flowers of this Rose at Madison Square Show next fall.

CHRYSANTHEMUMS Some new European varieties of sterling merit, the stock of which we control for the American Market, and also all the cream of last year's new European varieties, and all the New American varieties of this season's introduction; for those contemplating growing for the shows next fall the above will prove winners.

CARNATIONS All the New and Standard Varieties. My catalogue describing the above will be mailed to those not having received it, by sending a postal card to

JOHN N. MAY, Summit, N. J.

ROSES DORMANT, Own Roots, Field Grown, Two years old. Our own growing. Best Hybrid Perpetuals. Crimson Ramblers and Mosses No. 1, $8; No. 1½, $6; No. 2, $3.50.

GOOD CONDITION GUARANTEED. WRITE FOR PRICE LIST.

W. F. HEIKES, Manager. 3019 NORTH BROADWAY, ST. LOUIS, MO.

Ivory

or White Golden Gate.

Guaranteed TRUE STOCK

Strong plants out of 2-in. pots.

$6 00 PER 100.
27 50 PER 500.
50 00 PER 1000.

W. A. Hammond

107 E. Broad St., Richmond, Va.

Boston Ferns

Fine, strong, young plants, $3.00 per 100; $27.50 per 1000.

Edwin Lonsdale, Wyndmoor, Chestnut Hill, Pa.

Catalogue Illustrations.

We sell Electros of the fine illustrations used in the AMERICAN FLORIST at 15 cts. per square inch. Send list of your needs to.....

THE AMERICAN FLORIST CO.

Double GERANIUMS

Gen. Grant, La Favorite, S. A. Nutt E. G. Hill and Frances Perkins, 4-inch, in bud and bloom, $5.00 per 100; $40.00 per 1000.

FUCHSIAS, double and single, 4-in., $5 per 100.

HELIOTROPE, 4-inch, $5.00 per 100.

PANSIES, the very best strain, 50c per 100 by mail; $3.00 per 1000 by express.

MAMMOTH VERBENAS, 60c per 100 by mail; $4.50 per 1000 by express. WHITTON & SONS, City and Green Sts., UTICA, N. Y.

Please mention the American Florist when writing

Alternantheras P. MAJOR and A. NANA.....

Strong rooted cuttings, 50cts per 100, or $4.00 per 1000.

DAVIS BROS., MORRISON, ILL.

Please mention the American Florist when writing.

Dreer's Offer of Hardy Vines and Climbers.

AMPELOPSIS VEITCHII.

	Per doz.	Per 100
Strong 2-year old plants	$1.25	$10.00
Extra select, 2-year old plants	1.50	12.00

ARISTOLOCHIA SIPHO.

Strong long vines, extra heavy, per doz.....$3.00

CLEMATIS PANICULATA.

	Per doz.	Per 100.	Per 1000
Strong one year old	$ .75	$6.00	$50.00
" two "	1.00	8.00	70.00
" three "	2.00	15.00	

CLEMATIS LARGE FLOWERED VARIETIES.

Strong two-year old plants of the following popular sorts. Boskoop Seedling, Duchess of Edinburgh, Fairy Queen, Gypsy Queen, Henryi, Jackmani, M. Koster, Mme Baron Veillard, Mme Van Houtte, Miss Bateman, Standishi, The Gem and The President, $3.00 per doz.; $25.00 per 100.

HARDY ENGLISH IVIES.

An extra fine lot of bushy plants in 4 in. pots, 3 ft. high, 3 to 5 shoots, $1.25 per dozen; $10 per 100.

CLIMBING HYDRANGEA.

SCHIZOPHRAGMA HYDRANGEOIDES—A limited lot of extra strong plants established in tubs, 3 to 4 feet high, which will produce an immediate effect, $1.50 each.

WISTARIA SINENSIS.

Strong 3-year old plants, Blue, $3.00 per dozen; White, $3.50 per dozen.

A Few Leaders in

HARDY PERENNIALS.

For the most complete list and largest stock offered in this country, see our current Trade List. With few exceptions all the varieties offered below are suitable for cut-flower purposes.

	Per doz	Per 100
Anemone Japonica.....2¼-inch pots,	.75	$5.00
" " Alba 2¼ " "	.75	5.00
" Lady Ardilaun 2¼ " "	.75	5.00
" Whirlwind.....2¼ " "	.75	5.00
" Queen Charlotte 2¼ " "	.75	6.00
Asters, Hardy, 10 choice varieties, strong divisions	1.00	8.00
Boltonia Asteroides, strong plants	.75	6.00
Boltonia Latisquama, " "	.75	6.00
Caryopteris Mastacanthus, 3-in pots	.75	6.00
Chrysanthemum Hardy Pompon 2¼-inch pots	.50	3.00
Chrysanthemum Maximum Triumph, 3-inch pots	.75	6.00
Chrysanthemum Maximum Filiformis, 3-inch pots	.75	6.00
Clematis Davidiana, strong 1-year-old clumps	.75	6.00
Clematis Recta, 2-year old plants	1.00	12.00
Coreopsis Lanceolata Grandiflora strong 3-inch pots	.60	4.00
Coreopsis Lanceolata Grandiflora large clumps	.75	6.00
Dictamnus Fraxinella, strong plants	1.00	8.00
" " Alba " "	1.25	10.00
Dielytra Spectabilis " roots	.75	6.00
Euphorbia Corollata	.60	4.00
Gaillardia Grandiflora, strong 3-in. pots	.75	6.00
" " " 4 "	1.00	8.00
Gypsophila Paniculata, strong 1-yr-old	.75	6.00
Helenium Autumnale Superba strong divisions	1.00	8.00
Helenium Grandicephalum Striatum strong divisions	.75	6.00
Helenium Hoopesi, strong divisions	1.00	8.00
" Pumilum.....3-in. pots	1.00	8.00
Helianthus Multiflorus flore pleno, 2¼-inch pots	.75	6.00
Helianthus Multiflorus Maximus, 2¼-inch pots	.75	6.00
Heliopsis Pitcherianus, strong divisions	.75	6.00
" Scaber Major " "	.75	6.00
Heuchera Sanguinea, 3-inch pots	1.00	8.00
Iris Kæmpferi, 25 choice named vars.	1.25	10.00
" Germanica 10 " " "	.75	6.00
Physostegia Virginica.....3-in. pots	.75	6.00
" " Alba " "	.75	6.00
Pyrethrum Uliginosum, strong plants	1.00	8.00
Primula Veris Superba " "	1.25	10.00
Rudbeckia Golden Glow strong division	.50	4.00
" Newmani " "	.75	6.00
" Purpurea " plants	1.00	8.00
" Subtomentosa " "	.75	6.00
" Triloba, 3-inch pots	.75	6.00
Salvia Azurea Grandiflora, strong plants	1.00	8.00
Scabiosa Caucasica.....strong plants	1.00	8.00
" " Alba " "	1.25	10.00
Stokesia Cyanea " "	1.25	10.00
Tritoma Pfitzeri " "	1.00	8.00
Veronica Longifolia Subsessilis 2¼-inch pots	.75	6.00

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

SPLENDID STOCK FOR EARLY PLANTING.....

3½-inch Bridesmaids, $5.00 per 100; $45.00 per 1,000. Rooted Cuttings, Brides and Bridesmaids $1.50 per 100. Cash please.

ALBERT F. AMLING, Maywood, Ill.

BEGONIA GLOIRE DE LORRAINE,

2¼-inch pots, $15.00 per 100.

Write for prices on large lots. Stock guaranteed absolutely free from disease.

THOMAS ROLAND, Nahant, Mass.

Please mention the American Florist when writing.

500,000 VERBENAS.

60 finest named varieties, including our **NEW MAMMOTH WHITE, "MRS. McKINLEY."** The finest white verbena grown; perfectly healthy; free from disease. Rooted cuttings, 60c per 100; $5.00 per 1000. Plants, $2.50 per 100; $20.00 per 1000. Our list is the choice of millions of seedlings. Send for circular.

J. L. DILLON, BLOOMSBURG, PA.

ROSES Crimson Rambler Climbing Clothilde Soupert.

Ramblers, 3 to 4½ ft., well branched...$10 per 100
" 2½ to 3 ft., " " ... 8 per 100
" 1½ to 2½ ft., " " ... 6 per 100
Soupert, strong field-grown plants..... 15 per 100

The Conard & Jones Co, West Grove, Pa.

Please mention the American Florist when writing

CASSIA FALCATA

Not a new plant, but a good rare old one. Blooming equally profuse, it is a good companion plant for Salvia Splendens; color lemon yellow; extra fine for Park or Garden decoration. Can be kept over winter in cool cellar.

$1.50 per doz. $10 per 100.

J. T. TEMPLE, DAVENPORT, IA.

PALMS.

HOME-GROWN, FINE, CLEAN STOCK; GROWN COOL.

Write for Price List. **J. B. HEISS,**
The Exotic Nurseries, **DAYTON, OHIO.**

ASPARAGUS SPRENGERI, 3-inch, $3.25 per 100. Good stock

DRACÆNA INDIVISA, 2¼-inch, $2.25 per 100. Good stock.

VINCA VARIEGATA, 2¼-inch, $3.00 per 100. Good stock.

VINCA GREEN, 2¼-inch, $3.00 per 100. Good stock.

HULL FLORAL CO., MORRIS, ILL.

Mention the American Florist when writing to advertisers on this page.

California Carnations.

Our cuttings are rooted without fire heat and are strong, hardy and well rooted. They are so far superior in every way to cuttings rooted by fire heat that they should not be mentioned in the same connection. We guarantee safe arrival and satisfaction.

	Per 100	Per 1000
QUEEN LOUISE, white	$4.00	$30.00
MERMAID, fine salmon pink	3.00	20.00
G. H. CRANE, scarlet	1.50	12.00
MRS. F. JOOST, fine pink	1.00	8.00

Giant of California Pansy Plants, 50c per 100; $2.50 per 1,000. Giant of California, transplanted plants, $5 per 1000—100 sent at 1000 rates.

TERMS CASH WITH ORDER.

THE LOOMIS FLORAL CO., LOOMIS, CALIFORNIA.

GERANIUMS

All the best varieties, extra fine plants. S. A. Nutt, Marvel, Grant, F. Perkins, Mme. Jaulin, La Favorite, Hill, etc., 2¼-in., $2.00 per 100; 3-in. $3.00 per 100; 4-inch in bud or bloom, $5.00 per 100. **PANSIES,** extra fine plants from cold frame coming in bud, $1.00 per 100; $8.00 per 1000. **VERBENAS,** 60c per 100; $4.50 per 1000. **DOUBLE DAISIES,** large plants, 75c per 100; $5.00 per 1000. **HILL TOP GREENHOUSES, 15-16 Gray Ave., UTICA, N. Y.**

Orders booked now for my new Fern, **"NEPHROLEPIS FOSTERIANNA,"**

Anna Foster.

Kentias, any quantity, 6-in., 30-in., $1.00 each. R. C Coleus, mixed, 50 cents per 100; Verschaffeltii, G. Bedder, 75 cents per 100. Dracæna Indivisa, 6-in., $50.00 per 100. Geraniums in bloom for Easter.

L. H. FOSTER, 45 King St., Dorchester, Mass.

Do the American Florist a small favor. Mention the paper when writing to advertisers.

Pittsburg.

TRADE QUIET AND STOCK IN OVERSUPPLY.—ROSES OF ALL KINDS PILING UP.—BLOOMING PLANTS SCARCE.—MURDOCHS LET CONTRACTS.—NOTES.

This has been an uneventful week, as the bad weather has taken the backbone out of trade, but the society columns of the daily papers indicate that there will be a good many "doings" between now and June. Funeral work is slack and it seems that all the stores are overstocked for the present. Cut flower stock is in excellent condition, with the exception of daffodils and tulips, which seem to be cut out. Beauties are both fine and cheap. Other roses are also good and worth the market price, and if we had two days fair weather we would easily unload our surplus. The fancy carnations are good but not plentiful. Violets are on the wane. They have done their duty well. Blooming plants were never so scarce, so soon after Easter. There is not a good azalea to be had in Pittsburg at the present time.

J. B. Murdoch & Company have awarded the contract to Lord & Burnham for the erection of two steel frame greenhouses 30x400 feet, to be built on their newly acquired land at Van Emans station. Arrangements have been completed for a switch to run from the main line of the railroad to the greenhouses.

J. B Ferguson, the proprietor of Floral Hall, a new shop in the East End, reports that he is more than pleased with results since his opening.

The second social meeting of the Pittsburg and Allegheny Florists' Club will take place on April 15.

A. W. Smith is cutting great quantities of white and yellow marguerites.

E. L. M.

LOUISVILLE, KY.—Mrs. Charles Rayner opened a handsome retail store at 632 Fourth avenue on March 28, in time to share in the Easter business. She is working in connection with the Anchorage Rose Company and will no doubt make a fine thing out of the store.

ECHINOCEREUS CAESPITOSUS.

This Cactus is a native of Texas. It has a beautiful bloom—a pink flower. Retails readily at 25c each including pot. We furnish with each Cactus, a carton for mailing. Can be mailed to any part of the country for 2 cents. This is **A BIG SELLER.** Write for wholesale prices.

A. J. MAYS & CO., AUSTIN, TEX.

Geraniums, Carnations, Palms, Etc.

	Per 100
CARNATIONS, 2¼-in. pot plants.	
Marquis	$3.00
Ethel Crocker	2.50
California Gold	2.50
Crane	2.00
Joost	2.00
Mary Wood	2.50
White Cloud	2.00
GERANIUMS, S. A. Nutt, Mme. Barney, Richelieu, La Favorite, John Doyle, Mme. Charles Molin and Beaute Poitevine, $30.00 per 1000	
Jean Viaud	5.00
Marquis de Castellaine	6.00
Set of 4 New Bruants for	.60
Set of 8 New Doubles for	1.50
In good assortment, our choice of varieties, $27.50 per 1000	
ROSE GERANIUMS, strong	2.50
CANNAS, all the standard varieties, strong roots	2.50
PRIMULA FORBESI	3.00
HELIOTROPES, six varieties	2.00
SELAGINELLA Emiliana	2.00

	Per 100
FUCHSIAS, in good assortment of varieties, 2½-in. pots	$2.50
Areca Lutescens, 2½-in. pots, $30.00 per 1000	4.00
Areca Lutescens, 3-in. pots	8.00
Areca Lutescens, 4-in. pots., 3 plants in a pot	20.00
Kentia Belmoreana, 2½-in. pots	7.00
Kentia Belmoreana, 3 in. pots	15.00
Latania Borbonica, 2½-in. pots	3.00
Latania Borbonica, 3-in. pot, $40 per 1000	5.00
Pandanus Utilis, 2½-in. pots	5.00
Pandanus Utilis, 4 in pots	15.00
Pandanus Veitchii, 4-in. pots, $6.00 per doz.	
ASPARAGUS PLUMOSUS, 2½-in.	4.00
ASPARAGUS SPRENGERI, strong, 2½-in.	2.00
ASPARAGUS SPRENGERI, strong, 3-in.	3.00
SPIRAEAS, Nana Compacta, Astilboides, Floribunda and Japonica at	3.50
AZALEA MOLLIS, fine for Easter	3.00
TUBEROUS ROOTED BEGONIAS, single, separate colors	3.00
TUBEROUS ROOTED BEGONIAS, double, separate colors	6.00
GLOXINIAS	4.00

The Storrs & Harrison Co.

PAINESVILLE, OHIO.

With Leaves On...

JAPANESE FERN BALLS.

We have an immense stock of Fern Balls, well furnished with leaves, at $5.00 per dozen. Culls from $3.00 per dozen, up.

The Geo. Wittbold Co., Chicago, Ill.

FERNS For Spring Potting.

100,000 Choicest Ferns, strong, in flats, at 1c; $10 per 1000 by express, in ten sorts; sample 100 mailed for $1.25. Safe arrival guaranteed. Have sent every year, for several years, to California, Canada and all other states in perfect condition. Plants fill a 2½-inch pot at once. Adiantum Pubescens, Pteris, Nephrodium, Lomaria, Lygodium Polystichum, Anemia, etc., etc. Also same sorts in 2½-inch pots, fit to shift on, $3 per 100; $25 per 1000. **Boston Fern,** strong 2½-inch, $3 per 100; $25 per 1000. **Nephrolepis Philippensis,** 2½-in. $3 per 100. **Clematis Paniculata,** seedlings, 100 mailed $1; $5 per 1000 by express.

JOHN H. LEY, Good Hope, Washington, D. C.

TO MAKE ROOM I OFFER

150 Kentia Belmoreana,	2¼-in.	$5.00 per 100
400 " "	3-in.	10.00 per 100
200 " "	4-in., 24 size	15.00 per 100
100 Latania Borbonica,	3-in.	5.00 per 100
100 Pandanus Utilis,	2¼-in.	4.00 per 100
75 " "	3-in.	8.00 per 100
400 Selaginella Emmeliana,	2¼-in.	3.00 per 100

All healthy stock. Cash with order.

JOSEPH E. BONSALL, SALEM, OHIO.

Please mention the American Florist when writing.

Cyclamen Giganteum

Extra strong July Seedlings in separate colors:
2½-inch pots, $4.00 per 100
3 inch pots, 8.00 per 100
4-inch pots, 12.00 per 100

LEHNIG & WINNEFELD,
HACKENSACK, N. J.

VIOLET Plants

5500 Marie Louise, good healthy stock, price $1.25 per 100; $10.00 per 1000.

Cauliflower Dwarf Erfurt,

Transplanted from flats, 75c per 100.
CASH WITH ORDER.

A. R. KNOWLES, Bloomington, Ill.

ROOTED CARNATION CUTTINGS.

Why not get the Best? They are the Cheapest.

You don't have to buy 200 to have 100 fit to plant out, when planting time comes. For every 100 we send, you have 101 when ready to plant. We have the finest and largest stock of NORWAY and ESTELLE in the country. Stock marked (*), now ready in flats. Send us a list of your wants for special prices on large lots.

	Per 100	Per 1000
Flora Hill	$1.75	$15.00
*General Maceo	1.75	15.00
*Mrs. F. Joost	1.75	15.00
*White Cloud	1.75	15.00
*Wm. Scott	1.75	15.00
*America	1.75	15.00
Daybreak	1.75	15.00
*Ethel Crocker	1.75	15.00
*G. H. Crane	2.50	20.00
*Triumph	2.00	18.00
Guardian Angel	1.75	15.00
*Genevieve Lord	2.00	15.00
*Marquis	2.00	17.50
*Mrs. G. M. Bradt	2.50	20.00
*Chicago	3.50	30.00
Gold Nugget	3.50	30.00
*Morning Glory	3.00	25.00
*Lorna	5.00	40.00
*Mrs. T. W. Lawson	5.00	40.00
*Queen Louise	5.00	45.00
*Norway	4.50	40.00
Prosperity	6.00	50.00
*Governor Roosevelt	6.00	50.00
*Estelle	6.00	50.00
Dorothy	6.00	50.00
Cressbrook	10.00	75.00
Enquirer	12.00	100.00
Mrs. Potter Palmer	12.00	100.00
Mrs. Higinbotham	12.00	100.00
Mrs. E. A. Nelson	10.00	80.00

CANNAS.

Strong, Dormant, Two Eyed Roots.

	Per 100	Per 1000
Allemania	$3.00	$25.00
Burbank	3.00	25.00
Exp. Crampbell	3.00	25.00
Florence Vaughan	4.00	35.00
Mdlle. Berat	3.00	25.00
Paul Marquant	3.00	25.00
Pres. Carnot	2.50	20.00
Mixed all colors	1.75	10.00

Largest stock in United States of other choice cannas true to name. Write for prices.

BOSTON FERNS.

In pans, grown the way you like them, full, bushy, compact stock, ready for your counter trade.

	Each	Doz.	100
12-inch pans	$4.00	$40.00	
10-inch pans	3.00	30.00	
9-inch pans	2.00	20.00	
8-inch pans	1.50	15.00	
7-inch pans	1.00	10.00	
6-inch pans	.75	8.00	$60.00
5-inch pans	.50	5.00	40.00
4-inch pots		2.50	20.00
3-inch pots		1.50	10.00
2½-inch pots		.60	5.00

ASPARAGUS PLUMOSUS NANUS.

Fine bushy stock in large quantity.

	Doz	100	1000
5-inch pots	$4.00	$30.00	
4-inch pots	2.00	15.00	
3-inch pots	1.00	8.00	$70.00
2½-inch pots	.60	5.00	40.00

ARAUCARIA EXCELSA. A Big Bargain.

5-inch pots, 18 to 20 inches high, 4 to 6 whorls, each, 75c; dozen, $9.00

FICUS ELASTICA (Rubber Plant).

7-inch pots, 36 inches high, very fine stock, $9.00 per dozen.

PHŒNIX CANARIENSIS.

Fine bushy plants, 8-inch pots, 36 inches high, each, $2.50; dozen, $24.00.

GREENHOUSES: WESTERN SPRINGS, ILL.

VAUGHAN'S SEED STORE, 84-86 RANDOLPH ST., CHICAGO. 14 BARCLAY ST., NEW YORK.

IMPATIENS THE QUEEN

This variety we now offer for the first time, it being far ahead of any cheap blooming house plant that we know of. A grand plant for out-of-town florists.

Flowers 1¼ to 1½ inches in diameter, color a delicate satiny pink with bright carmine eye, center of petals faintly tinged with white, wonderfully profuse and of the easiest culture Price, 2-inch pot plants, $1.50 per doz.; $10.00 per 100.

CENTRAL MICHIGAN NURSERY, Kalamazoo, Mich.

GIANT SWEET

ALYSSUM

$1 per 100; $8 per 1000.

ASTERS,

Vick's best, separate colors, great big strong plants from soil, 60c per 100; $5.00 per 1000.

CANDYTUFT,

from soil, 50c per 100; $4.00 per 1000. Express paid.

C. Humfeld, Clay Center, Kas.

What You want and where to Get it.

BRIDE and BRIDESMAID ROSES, 2¼-in. pots, extra fine, ready for 3-in., $3.25 per 100; $30 per 1000. Dbl Grant, S. A Nutt, Murkland and dbl. deep pink Geraniums, 3 in. pots, $5.00 per 100.

AGERATUM, German Ivy, Golden Bedder and assorted Coleus, 2-in. pots, $1.50 per 100.

ALTERNANTHERA, 2 varieties, (red and yellow), 2-in. pots, $1.50 per 100.

VINCA VARIEGATA, 2-in., $2.00 per 100.

Rooted cuttings, **ALTERNANTHERA,** 55c per 100; $5 per 1000. Golden Bedder, Verschaffelti, Coleus, 60c per 100. Assorted Coleus, 55c per 100.

Case with Order.

R. I. HART, HACKETTSTOWN, N. J.

CANNAS Burbank, Henderson, Mme. Crozy, F. Vaughan, P. Marquant, L. E. Bally, A. Bouvier, J. C. Vaughan, Ezandale, Souv. de Antoine Crozy in variety, started, $2.50 per 100.

ALTERNANTHERAS P. Major, red, R. C., 60c, postpaid. Pot plants, red, yellow, pink, $2.00 per 100.

BOSTON FERN 2½-inch, 3c; 3-inch, 8c; 8-inch, $1.00.

Begonias, flowering, in variety, 2½-in., 2½c.

Russelia Multiflora and Elegantissima 2½-in. 4c.

Vinca Major, strong, fine runners, 2-in., 3c. Cash.

A. J. BALDWIN, NEWARK, OHIO.

Dahlias

Mrs. Winters

THE WORLD'S BEST WHITE DAHLIA.

Novelties and Standard varieties. 18 yrs'. experience and have failed of no prize competed for.

See my catalogue before placing your order. Also fine field-grown Hollyhocks at $2.50 per 100. Cannas, Pæonias and Hardy Plants. Cheap mixtures are dear; get the best.

W. W. WILMORE, The Dahlia Specialist, Box 382, DENVER, COLO.

100,000 Pansies.

The Jennings' Strain, extra fine plants, all transplanted, many are fringed and curled, strong plants, $4.00 per 1000, express; 75c per 100 mail. Large plants, $1.00 per 100. Fine cold frame plants in bud and bloom, now ready, $1.50 per 100; $7.50 per 500; $15.00 per 1000, by express only. Stock the finest. Grown in cool houses. Cash.

E. B. JENNINGS, Lock Box 254, Southport, Conn.

Grower of the Finest Pansies.

CHRYSANTHEMUMS

are our SPECIALTY.

We also offer a complete list of

Carnations, Cannas, Pelargoniums,

Etc. Send for Catalogue.

Nathan Smith & Son, Adrain, Mich

Violets My Specialty

Good strong rooted runners of Princess of Wales and La France at $3 per 100; $25 per 1000; now ready. Also Tree Violets in 2½-in. pots and 8 to 12 inches high, ready May 1st, at $5 per 100.

Orders booked now. Cash with order.

FD. BOULON, SEA CLIFF, L.I.

JOSEPH HEACOCK,

Wyncote, Pa., Grower of

Palms and Am. Beauty Roses.

100,000 GIANT PANSIES

Best strain, strong plants, all transplanted and grown cool, 50c per 100; $4.00 per 1000. Express prepaid.

ASTERS, Hohenzollern, pure white, delicate rose and red (Roemer's), last year novelty, grandest aster to date. Mammoth size, 7 inches across, double to center, resembling a large Japanese chrysanthemum, unsurpassed for cutting or bedding, plants branching, with strong stems 18 to 20 inches long, 75c per 100; $6.00 per 1000.

Queen of the Market, white, red, pink and mixed.

Florists' Upright Branching, outer petals recurved, center petals incurved, superb cut flower, pure white, daybreak pink, fiery scarlet and lavender.

Late Branching or Semple's, white, rose pink, lavender, red and mixed.

All the above are the best money makers for florists, strong, healthy plants, assorted to suit, 50c per 100, $4.00 per 1000. Express prepaid for cash with order.

DES MOINES PLANT CO.,

38th St., Des Moines, Iowa.

BUCKBEE'S FANCY PANSY PLANTS.

Extra fine stocky September plants, transplanted and wintered in cold frames, now in bud and bloom, **$1.50 per 100, $10 per 1000.**

H. W. BUCKBEE,

Rockford Seed Farms, Forest City Greenhouses, ROCKFORD, ILL.

PANSIES....

Giant Trimardeau, 50c per 100 by mail; $3 per 1000 by express. Giant Mme. Perrel, $4 per 1000; 60c per 100. Strong—wintered in cold frames.

J. P. FRYER, 10211 UNION AVE CHICAGO, ILL.

ROBT. CRAIG & SON,

Roses, Palms

and Novelties in Decorative Plants

Market and 49th Sts., Philadelphia, Pa.

Please mention the American Florist when writing

Toronto.

TRADE ACTIVE.—ROSES PLENTIFUL.—CARNATIONS OFF CROP.—BULBOUS STOCK NEARING THE FINISH.—HORSE SHOW MAKES DEMAND.—VISITORS.

Business is again on the jump. The first few days after Easter found stock very scarce, but now roses have come on in full crop and there are plenty to go around. Society is helping to use up surplus stock. The horse show is on and creating a demand for flowers of the better grades. All stock is of good quality. Even Beauties have come around and some good ones are seen. Carnations are very scarce, being off crop with most growers, and consequently prices have gone up. Bulbous stock is about done for. The horse show colors, being yellow and blue, is causing an extra demand for daffodils. Sweet peas are good, but not near plentiful enough to supply trade. Lily of the valley is plentiful and good pansies are coming in. Blooming plants are still on the market and sell well, considering the season. Crimson Ramblers are plentiful. It is too bad they were not a fortnight earlier.

Dunlop is showing a window of hardy azaleas which, with their odd colors, are very attractive.

Visitors: Wm. F. Kasting, Buffalo; Peter Crowe, Utica, N. Y; Geo. Fancourt, Wilkesbarre, Pa. H. G. D.

Seattle, Wash.

GROWER HAS MANY GOOD LILIES.—CHANGES IN THE TRADE.

The Easter trade was very good with all the florists. Everything in the shape of a lily was sold by noon on Saturday. The weather being bright and warm, brought out large crowds and some of the flower stores were doing business until midnight. Malmo & Company had the best and bulk of the Easter lilies. The other dealers were all short. Roses and carnations were scarce and high. Violets and bulbous flowers were plentiful. There were quite a good many H. P. roses in pots in the florists' windows. Mrs. McCoy, on Second avenue had the best window display. She reports business good at her Tacoma store also.

The Puget Sound Seed & Nursery Company has opened a branch store in Tacoma. John Dane has left this firm to go with the Washington Floral Company.

Joseph Chalmers has left the Washington Floral Company and gone to Malmo & Company, to take charge of a range of new houses they are to build.

J. C. R.

DAHLIAS

Strong seedling plants out of 2½-in. pots ready April 15th.

Varieties: Cactus, Giant Single, Pompon and Double Fancy, these are from a very choice strain of seed, $5.00 per 100.

	Per 100
BEGONIA ERFORDII, 2½-in. pots	$5.00
VINCA MAJOR VAR., 2½-in. pots	3.00
HOLLYHOCK, 4 var., 2½-in. pots	3.00
SELAGINELLA EMMELIANA, 2½-in.	3.00

WAGNER PARK CONSERVATORIES,
SIDNEY, OHIO.

A good adv. in a good paper will bring good returns.

ROOTED CUTTING LIST

NOW READY FOR SHIPMENT.

	Per 100	Per 1000
Marguerites	$ .75	$ 6.00
Heliotrope, 4 varieties	.60	5.00
English Ivy	2.00	18.00
Pyrethrum, double white	1.00	8.00
Achyranthes, 4 varieties	1.00	8.00
Salvia, 4 varieties	.60	5.50
Ageratum, 6 varieties	.60	5.00
Alternanthera, 4 varieties	.75	6.00
Fuchsias, 3 varieties	1.25	10.00
Abutilons, 12 varieties	2.00	18.00
Coleus, 75 varieties, named	.75	6.00
" not named	.60	5.00
" Verschaffeltii, red	.60	4.50
" " golden	.60	4.50
Coleus, Golden Bedder	.60	4.50
" Brilliancy	8 00	

Boston Ferns Strong, bushy, well grown stock for immediate shipment.

	Per 100	Per 1000
2¼-inch pots	$2.50	$22.00
2½-inch pots	3.00	28.00
3 -inch pots	6.00	55.00

PTERIS TREMULA, 2¼-inch pots, per 100, $2.00; 2½-in. pots, per 100, $3.00; 3-in. pots, per 100, $5.

For list of varieties see AMERICAN FLORIST of Nov. 9. If wanted by mail add 15c per 100. Samples by mail 25c.

CHRYSANTHEMUMS W. H. Lincoln, Jerome Jones, Golden Wedding, Philadelphia, Ivory, Thornden, Pres. Smith, Minnie Wanamaker, Louis Boehmer, Maud Dean, Viviand-Morel, Bajor Bonnaffon, G. W. Childs, Mme. Bergmann, Glory of Pacific, J. G. Whilldin. Rooted cuttings, grand stuff, $1.25 per 100; $10.00 per 1000.

☞ All the above sold on the positive guarantee of their being first-class, if not, your money at once refunded.

Having to rebuild our greenhouses this season the following stock is in our way at the start. If you want any speak quick: Asparagus Plumosus, 3-year, from bed, fine clumps, $18.00 per 100. Kentias, 2½-inch, very fine, $6.00 per 100. Roses—Ulrich Brunner, 2-year old, pot grown, have just cut a crop of flowers from them. Can now be safely shaken out, grand stock either for next year's forcing or stock plants, own roots, $12.00 per 100. Paul Neyron, same as above, $12.00 per 100. Aspidistra Var. 4 inch, 15c each. Kentia Seedlings, from flats, 1-year, $3.50 per 100. Geranium Mrs. Pollock and Happy Thought, 1 and 2-year stock, plants from bench, $8.00 per 100. English Ivy, fall propagated, very fine, $1.25 per 100, $10.00 per 1,000. Poinsettia, 1-year dormant, $3.00 per 100. Cannas, dry roots, Bouvier, Vaughan, Egandale, Crozy, Burbank, $1.50 per 100. Dracæna Indivisa, 5, 6 and 7-inch pots, 20 to 36 inches high, perfect plants, assorted sizes, $25.00 per 100.

JOHN IRVINE & SONS, Bay City, Mich.

A Discount of 50% on Wittboldii Ferns

FOR 30 DAYS ONLY.

2½-inch, $5.00; 3-inch, $8.00; 4-inch, $12.00; 5-inch, $20 per 100. Bench plants, $3 to $8 per 100. Good for 8-inch pots, 50 cts. each.

This is a rare chance to get a stock of this New Fern cheap.

CASH PLEASE. A. J. BALDWIN, Newark, Ohio.

GERANIUMS

	Per 100
16 fine varieties, 2½-inch pots	$3.00
16 fine varieties, 3-inch pots	4 00
500 Asparagus Sprengeri, 2-inch pots	2.00
Coleus, 15 varieties, 2-inch pots	2.00
Verbenas, 2-inch pots	2 00
Vinca Var., 2-inch pots	2.50
Large Pansy Plants	1.50

CASH OR C. O. D.

J. H. CUNNINGHAM, Delaware, O.

Orchids!

Just arrived in fine condition, Cattleya Gigas, from "hybrid region." Write for our illustrated and descriptive catalogue of orchids.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

GERANIUMS ready for immediate delivery.

GERANIUMS—Dbl. Grant, Alphonse Riccard, Mme. Thibaut, Mme. Jaulin, Gloire de France, Frances Perkins, Beaute Poitevine, La Favorite, S. A. Nutt, etc., strong well grown plants from 2½-in. pots, labeled, $3.00 per 100; $25.00 per 1000. Mixed, my selection, $2.00 per 100; $18.00 per 1000. Extra strong plants from 3-in. pots, in bud and bloom, $4.00 per 100; $35.00 per 1000. From 3½-in. pots, $6.00 per 100; $50.00 per 1000.

CANNAS (Dormant roots), 2 to 3 eyes, strong tubers, Florence Vaughan, Queen Charlotte, Chas. Henderson, $2.00 per 100; $15.00 per 1000. Started from sandbed, $2.50 per 100; $20.00 per 1000.

Cyclamen Persicum Splendens Giganteum Finest strain in the world, in four true colors, now ready, transplanted from flats, 3 to 4 leaves, fine plants, $3.00 per 100; $25.00 per 1000.

Begonia Rex In good mixture only, from 2½-in. pots, $4.00 per 100.

PAUL MADER, East Stroudsburg, Pa.

VIOLETS

Rooted cuttings of Marie Louise, Lady Campbell, Swanley White and Imperial, 2¼-in. pots, $3.00 per 100; $25.00 per 1000.

CARNATIONS, rooted cuttings.

SEND FOR CATALOGUE.

CRABB & HUNTER, Grand Rapids, Mich.

SPECIAL April OFFER

GERANIUMS.

To reduce our stock of 100,000 plants at once, we will fill orders for the following strictly high grade varieties, true to name and first-class in every respect: extra strong top cuttings, well rooted, ready for 2½-inch pots, $1.50 per 100; $14.00 per 1000; In Variety—S. A. Nutt (best crimson bedder), E. G. Hill F. Perkins, Beaute Poitevine, Mme. Bruant, Duchess of Orleans, La Favorite, J. M. Garr Snow Drift, Thos. Meehan, Alphonse Riccard, L. P. Morton, Athlete, J. J. Harrison, E. Kelway, Mme. Jaulin.

Double Fringed Petunias.

If you want Petunias, we have them and can supply any quantity. Ten novelties selected from Henderson's and Dreer's latest sets, plenty of white, labeled. Extra strong rooted cuttings. **SPECIAL PRICE**, $1.00 per 100; $8.00 per 1000. 500 at 1000 rate.

Smilax, strong seedlings ready for 2-inch pots, 50c per 100; $4.00 per 1000.

CASH WITH ORDER.

The W. T. Buckley Plant Co., Springfield. Ill.

BARGAINS. READ THIS, FOR HERE IS WHAT YOU WANT AND WE WANT ROOM.

Geraniums, composed of S. A. Nutt, La Pilot, Richard Brett Frances Perkins, Beaute Poitevine, Dble. Geo. Grant, Bruanti, Ruy Blas. Gloire de France, Centaurean, Alph. Riccard, Margaret de Leyas, Jas. Gaar, Wunder, Granville. La Favorite, Mme. Bruant, and several other varieties in 2¼ in. pots, also Rose Geraniums, and want shifting at once, at $2.50 per 100; $20.00 per 1000 Special prices in lots of 5000 or more. 500 at 1000 rate.

Coleus, in variety, 2¼-in. pots, $1 50 per 100; rooted cuttings 60c. per 100; $5.00 per 1000.

Verschaffeltii and **Queen**, 70c. per 100; $6.00 per 1000

Anthemis Shower of Gold, R C., $1.50 per 10.

Ageratum, in variety, 2¼-in. pots, $2.00 per 100; rooted cuttings, 60c. per 100.

Fuchsias, in variety, 2¼-in pots, $3.00 per 100; rooted cuttings, $1.25 per 100.

Heliotrope, in variety, 2½-in. pots, $2.00 per 100; rooted cuttings, $1.00 per 100.

Salvia, in variety, 2½-in. pots, $2.00 per 100; rooted cuttings, 75c. per 100.

Var. Vincas, 2¼-in. pots, $2.00 per 100; rooted cuttings, 6ne, $1 00 per 100: 4-in. pots, $6.00 per 100.

Feverfew, from soil, $1.50 per 100.

English Ivy, from soil, $2.00 per 100.

Cash with the order.

J. E. FELTHOUSEN. Schenectady, N. Y.

A FEW GOOD THINGS YOU WANT.

KENTIA BELMOREANA and FORSTERIANA, special price to reduce stock. 2½-in., 8c; 3-in., 15c; 4-in. 25c; 5-in., 50c; 6-in., $1.00. 3, 4, 5-in **ARECA LUTESCENS**, 2 and 3 plants to a pot, same price. These are excellent lot of clean, cool grown plants.

BOSTON FERNS, 4c, 8c, 15c, 30c and 50c each.

DRACAENA INDIVISA, 3, 4, 5-in., 6c, 10c, 25c each.

GLADIOLUS BULBS, good mixture, $1.00 per 100.

GERANIUMS, 2-in., Bonnat, double and single Grant, La Favorite, S. A. Nutt, Atkinson, Salleroi, Poitevine, M. Barny, Kleber, John Doyle, Jaulin, Riccard, Mrs. E. G. Hill, Perkins. Per 100—2-in., $3.00; 3-in., $5.00.

ASPARAGUS SPRENGERI, 2-inch, $3.00 per 100; Plumosus, 3-inch, $8.00 per 100.

PANSIES, in bud and bloom, $1.00 per 100.

ENGLISH IVY, 2-in., $3 00; 3-in., $6 00 per 100.

Verbena, Petunia, Smilax, Achyranthes, Lobelia, Coleus, Alternanthera, Tomato Plants, Campbell Violets, Aster, Ageratum, Heliotrope, Vinca Var., Giant Alyssum, Scarlet Sage Clara Bedman, 2 in., $2.00 per 100; 3-in., $4.00 to $5.00 per 100.

Send for wholesale lists. Cash or C. O. D.

GEO. M. EMMANS, NEWTON, N J.

STOCKS.

Ten Weeks, out of 2¼ in. $2.00 per 100; $15 per 1000.
Salvias, 2¼-inch, $2.00 per 100.
Giant Alyssum, 2¼-inch, $2.00 per 100.
Sweet Williams, 1 year old plants, $2.00 per 100; $15.00 per 1000.
Forget-Me-Not, 2½-inch, in bloom, $1.50 per 100.
Vinca Variegata, rooted cuttings, $1.00 per 100.

J. G. SCHMIDT, Bristol, Pa.

Rooted Cuttings Our Specialty.

Heliotrope, 14 named varieties, $1 00 per 100; $8.00 per 1000. **Petunias**, 24 varieties, $1 25 per 100. **Salvias**, 5 varieties, $1.00 per 100. **Ageratums**, 5 varieties, 60c per 100. **Coleus**, 34 varieties, 60c per 100; $5.00 per 1000. **Alyssum**, $1.00 per 100. Express prepaid on all Rooted Cuttings. Satisfaction guaranteed. Cash with order. Write—

S. D. BRANT, CLAY CENTER, KAN.

Awarded the only first-class Certificate of Merit by the Society of American Florists at Boston Aug. 21, 1890, for Standard Flower Pots.

Traveling Representative,

U. CUTLER RYERSON,

108 Third Ave. Newark, N. J

Red Standard Pots.

CORRECT SIZE.
SUPERIOR QUALITY.

Write for price list.

G. HENNECKE CO., MILWAUKEE, WIS.

Standard Flower... POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.....

W. H. ERNEST,

28th and M Streets, WASHINGTON, D. C.

GEO. KELLER & SON,

MANUFACTURERS OF

FLOWER POTS.

Before buying write for prices.
361-363 Herndon Street,
near Wrightwood Ave.,
CHICAGO, ILL.

HAIL!

FOR INSURANCE AGAINST DAMAGE BY HAIL, Address

John G. Esler, Sec'y F. H. A.

SADDLE RIVER, N. J.

AMERICAN FLORIST ADS ALWAYS DO BUSINESS

Week days and every day,
Sundays and holidays,

ALL OVER THE COUNTRY AT HOME AND ABROAD.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

Pots	Price per crate		Pots	Price per crate	
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1500	2¼ "	5.25	60	8 "	3.00
1500	2½ "	6.00	48	9 "	3.60
1000	3 "	5.00	48	10 "	4 80
800	3½ "	5.80	24	11 "	3 60
500	4 "	4.50	24	12 "	4.80
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144	6 "	3.16	6	16 "	4.50

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GOOD STOCK AT HAND FOR A SPLENDID EASTER TRADE.—CRAFTSMEN PLANNING MANY IMPROVEMENTS.

It is conceded on all sides that Easter business proved the heaviest in years. There was neither a scarcity nor an oversupply of stock. W. C. Rockwell reports clean sales all along the line. Bulbous stock, such as tulips and hyacinths grown in pans, took especially well, also roses and carnations. A novelty introduced this season is the neat little handle basket filled with violets and valley, which seemed to catch the popular fancy. His Crimson Ramblers and azaleas were exceptionally fine and found ready sale. As to violets, they were never in finer shape nor in larger quantity.

G. R. Oliver had more than enough to keep him moving from early morning till late at night, both on Friday and Saturday. But he braved the onslaught with the fortitude that he acquired on the battlefield some forty years ago in the defense of the Union. Since dispensing with the gun and musket Mr. Oliver has taken up the more congenial occupation of florist and has made a success of it, being a good all-around grower. His carnations, and especially the Marquis, were choice, while his bulbous stock, including lilies, could not possibly have been better. It is Mr. Oliver's intention to build an additional carnation house this spring to cover 32x125. A new shed 15x125 will also be built.

Geo. L. Graham is glad the rush is over. If there is any one variety of carnation that Mr. Graham grows better than the other, that variety is the Lawson, the blooms measuring on the average three and one-half inches, without a bursted calyx, being in crop practically all through the winter and yielding enough blooms to warrant discarding such varieties as Scott and Joost, generally grown for quantity. In whites his Queen Louise takes the lead. Lizzie McGowan still behaves splendidly and pays well. Crane is the standard red, but Estelle and Mrs. Potter Palmer will be grown next season. Next to cut flowers Mr. Graham reports a good sale of blooming plants, such as azaleas and Ramblers; tulips and hyacinths grown in pans likewise sold well. Mr. Graham will rebuild and modernize four of his carnation houses this summer.

And last, but not least, congratulations are in order, Mr. Oliver being the recepient upon the event of his recent matrimonial alliance.

NOMIS.

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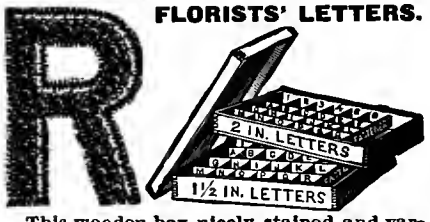

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DEALERS SURPRISED AT EXTENT OF EASTER DEMAND —FAR AHEAD OF LAST YEAR.—VISITS TO HOMES OF HYBRIDIZERS.—FLOWER FESTIVAL NEAR.

The Easter trade was exceedingly good. The retail stores had prepared for a demand equal to that of a year ago, presuming that quantity of flowers would be sufficient, but by noon on Saturday the morning's receipts had been sold and the growers were being telephoned lor extra supplies. "Send everything you can cut and as soon as possible" was the general tenor of the messages. Ramblers sold at from $2 to $5 each, Harrisii in pots at $2 and cut at $1 per stem. Roses brought from $1.50 to $5 per dozen, carnations 50 cents per dozen, valley $1 50 per dozen, tulips $1.50 per dozen, violets 25 cents per bunch and callas 50 cents per dozen. All in all, the Easter business was entirely satisfactory to all concerned.

On a recent trip covering over 1,000 miles in this state your correspondent had the pleasure of seeing some of the wonderful new creations of Luther Burbank, at Santa Rosa; the finest carnations in the world at J. H. Sievers & Company's, San Francisco, and the great collection of useful and ornamental plants gathered from all parts of the world by Dr. Franceschi, at Santa Barbara. By the way, our old friend, W. H. Morse, of Santa Barbara, who produced the canna Mrs. Kate Gray, is at his old tricks and has some interesting novelties in asparagus, roses and ferns.

The next important event on the programme will be the Fiesta de las flores to be celebrated in connection with the biennial meeting of The Women's Parliament to be held in this city in May. During this time it is anticipated the demand for flowers will be enormous.

D. R W.

ST. ELMO, TENN.—Hunt & Son have had a prosperous season and are preparing to erect a new greenhouse at the entrance to Forest Hill Cemetery.

TOLEDO, O.—Fire at 1 a. m. March 28 destroyed one of F. A Imoberstag's boiler rooms and a rose house, with contents, a fine Easter crop of teas, 300 lilies and a lot of bulbous stock. The loss was about $2,000 without insurance.

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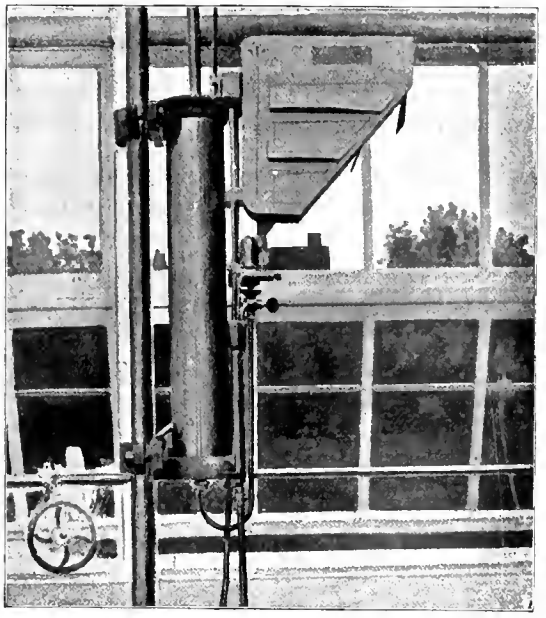

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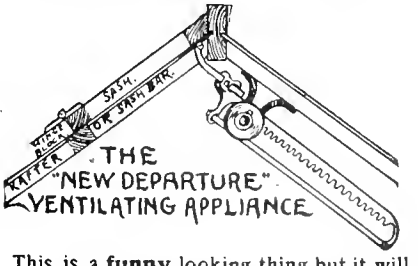

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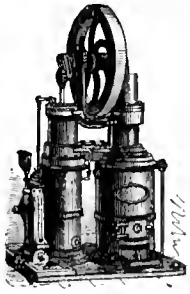

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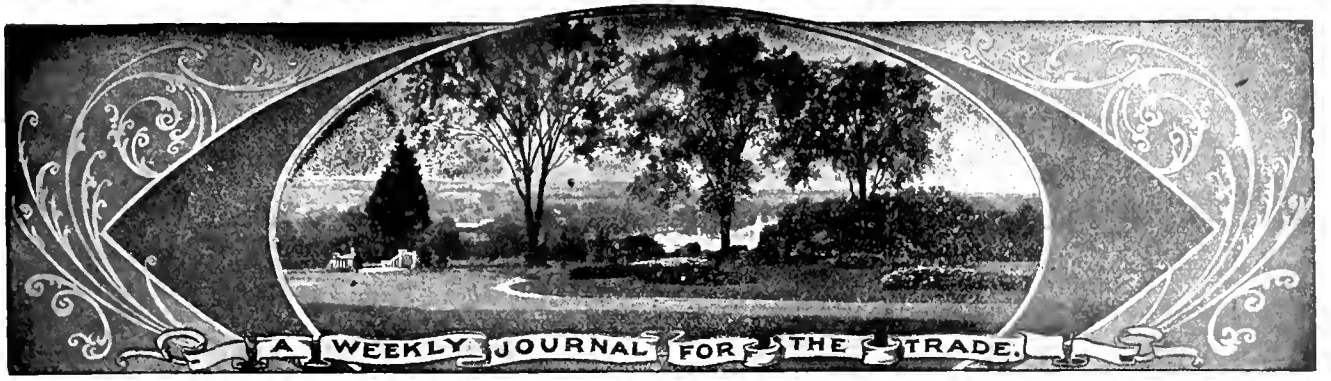

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XVIII. CHICAGO AND NEW YORK, APRIL 19, 1902. No. 724.

THE AMERICAN FLORIST

SEVENTEENTH YEAR.

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AMERICAN ROSE SOCIETY.

Annual meeting at call of executive committee, LEONARD BARRON, 136 Liberty St., New York, secretary.

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Notes on Palm Growing.

The experience of the past season in the palm trade, as in other branches of our business, brings to mind again the impression that has been noted from time to time, namely, that those buying plants and flowers are becoming better posted and more critical from year to year, and that well grown and well proportioned plants are those that find the steadiest demand. To grow plants of this character requires a little patience, a good deal of attention and a considerable amount of space, and when the latter item is taken into consideration, one frequently finds that the day of excessive profits is a matter of history rather than of everyday experience.

Of course we hear occasionally of some fortunate retailer who has been able to sell for $300 some fine specimen palm for which he paid the meek and lowly grower the sum of $100, after much persuasion, but even the retailer does not meet with those streaks of luck every day, for outside of our largest cities there is but a very limited demand for these large specimens. But there has been, for the past year at least, a comparative scarcity of large palms on the market, and apart from the item of original cost there is always some risk attached to the importation of these large plants, for one or two damaged leaves on such a plant may prevent its sale for a couple of years or more.

The original prices placed on this stock in Europe sometimes seem very attractive to the inexperienced importer, but after having added nearly or quite fifty per cent to the cost in order to cover duties, freight and all other charges, one finds that an invoice of plants may not prove so profitable as they first appeared to be. Nevertheless the importation of palms and other plants will continue in greater or less quantity until such time as the American trade can supply all sizes and species that may be called for, a condition that has not yet become apparent. But we are favored climatically for the production of fine foliage plants, just as we are for the production of superb roses and carnations, and it does not seem to be an extravagant idea to look forward to the time when we shall be able to fully supply our own markets with specimen palms, regardless of the most alluring offers of our brothers across the pond.

In the line of novelties adapted for commercial use there seems practically nothing to chronicle among palm notes, and as a matter of fact there have been comparatively few palms introduced within the past twenty-five years, the total list of introductions in this family during that period probably not exceeding 100 species, but including within the same time one of our best and most useful trade palms in the form of Kentia Belmoreana. The seeds of this palm, by the way, seem to be averaging somewhat better in quality of late years, perhaps in part owing to more care having been exercised in the gathering and packing of the seeds, and partly due to more improved methods in planting and after-attention on the part of cultivators. And it cannot be emphasized too strongly that all palm seeds should be planted as soon as they are received from the dealer, or one has not good ground for complaint in case of failure to germinate, for when the seeds are allowed to dry out and the germ becomes shrivelled, there remains but small chance for a crop of seedlings.

Regarding kentia seeds in particular, those imported in the latter part of the summer or early in the autumn usually prove more satisfactory than those offered in the spring, though the percentage of germination varies greatly even with those imported in the fall, ranging from twenty per cent to over seventy per cent in the experience of the writer, while some over-modest growers gently murmur that they have potted off ninety per cent from a crop of kentias, but we prefer to have an affidavit with such a statement. On the whole it seems to be the better policy on the part of a small grower of palms to purchase his stock of young plants from some specialist or large dealer rather than to have space indefinitely occupied with a lot of kentia seeds from which a straggling crop of seedlings may be had during possibly two years.

The latter period may seem like an excessive time for the germination of kentia seeds, but it is correct in some instances, for in the lot in question some plants came up in about two months and the main crop was potted off within a year, but several thousand seeds that were sound at the time of potting off the main crop were replanted and ultimately germinated well, though the last of them occupied the full two years in doing so.

Seeds of latanias and arecas are generally received in the spring and, unless they have been dried out too much, will germinate quickly and generally give a good percentage of plants, provided the seeds have been properly cared for. Seeds

of seaforthias, ptychospermas and caryotas germinate quickly and seldom fail if the seeds are fresh and kept warm and moist.

A rather light and open soil is most suitable for palm seeds in general, and the seeds should be covered to a depth of half an inch in the case of small seeds like those of seaforthias or livistonas, while the larger seeds, of which the kentias may be taken as an example, may be covered to a slightly greater depth. The seed pots or pans should be placed in a house in which a steady bottom heat may be maintained, a bottom temperature of 85° being high enough for all ordinary purposes, and the seeds should always be kept moist.

In large establishments the potting off of seedling palms is largely a matter of convenience, the lack of available space sometimes preventing the potting of the seedlings at the very best time, but wherever it can be done the best practice will be found to be that of potting off a seedling palm soon after the first leaf is fully developed, or about the time the second leaf begins to push up, for when the seedlings are allowed to remain crowded in the seed pots too long they will become drawn and weak.

The grouping or making up of several palms in one pot or tub is a practice that is increasing, and there are several arguments in its favor, the first being that it is a profitable way to build up a bushy specimen in a short time, and in the second place that one may use up some lanky plants of indifferent quality by this means and still produce an attractive plant. Another argument is that many people desire a mass of green foliage rather than the perfectly graceful outline of a well grown kentia for example, and the reasonable claim of the decorator is that the compound plant or group of plants may lose two or three leaves and still be quite presentable, while the single specimen is seriously handicapped by the loss of a couple of leaves.

But a conservative opinion may be offered that from an artistic point of view any fan-leaved palm is most beautiful when grown as a single specimen, while most of the pinnate-leaved palms may be grouped several in a pot without detracting from their natural beauty.

W. H. TAPLIN.

Aster Troubles.

In an excellent bulletin on the troubles of China asters, Ralph E. Smith of the staff of the Hatch Experiment Station, Massachusetts Agricultural College, Amherst, Mass., gives a summary of the conditions with cultural directions as follows:

SUMMARY.

"The very prevalent trouble in growing China asters is due to a variety of causes. These are principally a stem rot disease or wilt, caused by a fungus, a peculiar abnormal growth the cause of which is not definitely known, and lice on the roots. Other troubles occur but are more obvious or not generally destructive.

"The stem rot disease is characterized by a wilting and final dying of affected plants accompanied by a discoloration and rotting of the stem just at the surface of the ground.

"The yellow disease appears as a spindling yellow growth of the branches and leaves and a peculiar abnormal development of the flowers. It seems to be due to a failure in the metabolism in the leaves.

"Plants affected with root lice fail to grow and finally wilt and die. The roots are found to be covered with masses of small, bluish-colored plant lice.

"The stem rot or wilt, although first showing itself at any time during the plant's growth, appears to be contracted only in the seed bed or pricking out flats. Both this disease and the root lice may be avoided by proper methods of cultivation. For the yellow disease no treatment is known. None of these troubles can be remedied after they have once appeared.

"Asters are also affected by a true rust of the leaves, grubs which eat the roots, and insects which eat the leaves and flowers.

CULTURAL DIRECTIONS.

"Start your own plants. Seed planted as late as June 1 will give an abundance of bloom before frost.

"Procure seed directly from a reliable seedsman. It costs no more and is much more liable to be fresh and true to name.

"Sow the seed in the open ground at any time after the ground gets into good condition, in good soil where asters have never grown before. Fall sowing out of doors may also be practiced. For very early flowering sow in cold frames or in the greenhouse, but this, especially the latter, is much more liable to produce stem rot.

"Avoid at all times the use of soil where asters have grown before, especially where the stem rot or root lice have occurred.

"Prepare the permanent bed by working in a liberal dressing of barnyard manure during the previous fall and a light application of any good commercial fertilizer in the spring. If this is not practicable remember that as a general principle the richer the soil the better will be your asters.

"Plant if possible in moderately moist soil. This will give better growth and less trouble from grub worms.

"Beyond this it is believed that no treatment can avail for these troubles. Avoid especially damping off and root lice."

SIDE VIEW OF DOUBLE LILY.

A Double Lily.

ED. AM. FLORIST:—I send you to-day by mail two pictures of a Lilium longiflorum monstrosity which appeared in our batch of "Japs" for Easter at the establishment of P. R. Quinlan & Company, Syracuse, N. Y. There is nothing wonderful so far as growing the plant is concerned, but a perfect double flower is surely worthy of note and comment. Two views are shown, a side view of the flower on the plant and a front view of the single flower, so that there can be no question. It will be noticed that the other flowers on the plant were ordinary single blooms. The double one was a beautiful flower and rivaled the finest forms of the night blooming cereus. The photographs were taken by Harry Chism of L. E. Marquisee's. B.

A Few Remarks About Florists.

At a meeting of the Hartford Florists' Club held April 8, Theodore Wirth gave some very sensible advice to florists in a paper under the above caption. The paper in part is reproduced herewith.

"I hope that none of my fellow craftsmen listening to what I herein say will take offense in my expressions if I am allowed to give unrestricted vent to my views, based upon personal observations made while visiting a great number of horticultural and floricultural establishments in various parts of the country, and I also hope that I will be able to prove the correctness of my theory, which is, that a large percentage of our florists are dead slow in some respects, and that against their own interest and welfare.

"We have just passed Easter and the floral displays in the show-windows and stores of our florists have been of marvelous beauty, rich in color and life, and interesting, pleasing and harmonious in artistic tasteful arrangement. The stores were crowded with plants of all varieties, yet the number of plants on exhibition was a small one in comparison with the stock needed to satisfy the demand of the public during such days. It seems to me that the natural thought of some of the buyers at such and other occasions will be that they might get a better and larger assortment of stock to select from by visiting the florists' greenhouses and that they would like to see the place

where those beautiful flowers and plants are grown.

"What a difference in appearance between the stylish, elegant, lavishly decorated store, and the disorderly, dirty, dilapidated, repulsive condition of the greenhouses and their surroundings. You have to walk between compost piles, heaps of old boxes, broken sashes, smashed flower pots; pilot your way between broken tools, piles of coal ashes and rubbish heaps, and you have to jump across ditches and wagon ruts, and if you happen to get there on a rainy day you need rubber boots or the mud will run in over the tops of your shoes. Finally you land safely in one of the houses and while there are fine flowering plants of all varieties in good condition and in abundance, your eye is detracted by the disorderly condition of everything about them, heaps of sweepings, dead wood, rotten tobacco, broken pots, and other rubbish under the benches, everything is there to spoil the good effect which the plants and flowers would otherwise have made upon the visitor, had the surroundings been what they should be and could be, orderly, neat and clean.

"Whenever I enter one of those places, I think of the hired man out on the farm, who claimed that the dirtier the pigs were kept the fatter they would grow. Now brothers of the craft, there is in my opinion no tenable excuse for the existence and maintenance of such conditions. Why cannot the compost heaps be kept out of sight, behind some screening shrubbery, for instance, or away on some neighboring lot, even if a little distance from the potting shed? Why should we permit to have refuse and rubbish lay around our places of business any more than we want it to around our living rooms and residences? Does it cost more labor to store tools and materials away in an orderly way, than to throw them in heaps in a half a dozen places? All it wants is a little system, and some grit to enforce rules, and order can be established where disorder now rules supreme.

"Having thus done away with the objectionable features, now let us put in their places some things that will attract and please. Let us make use of our front yards and all their available spots to display our art in floral decoration. Let us show the public some of our plants to their best advantage. Let us keep our greenhouses clean, presentable and inviting, and keep the approaches to them as passable as the sidewalks of the city; in other words, let us give our establishments the dignity due our noble profession. The result sure to follow will be that the public, appreciating these efforts, will begin to patronize our places, that our home sales will increase. We will save labor in the handling of stock, which otherwise we would cart first to the stores, and that with the increase in trade alone would more than pay for the labor and money spent in such improvements. Indeed, where should we expect the people whom we want to buy our plants for the decoration of their homes and gardens to go for information and object lessons, what to do and what to buy, but to our very places of business, and what do most of our places give them to-day to copy. Unsightly, disorderly, dirty yards and corners, more repulsive in some instances than their most objectionable backyards.

"Brother florists, I claim here is a great field for progressive action and commendable development of our business; let us all put the shoulder to the wheel and push out of the mud, on a clean, easy, pleasant and attractive road. We will all benefit by it and give more satisfaction, pleasure and encouragement to our customers, whom we should treat and regard as our honored guests, worthy of our closest, courteous and most attentive consideration."

FRONT VIEW OF A DOUBLE FLOWER OF LILIUM LONGIFLORUM.

American Beauty as a Forcing Rose.

[A paper read before the St. Louis Florists' Club April 10, 1902, by J. F. Ammann, of Edwardsville, Ill.]

The American Beauty is certainly the most valuable if not the ideal forcing rose and I dare say there are more square feet of glass devoted to this rose than to any other one variety in this country. One gets a fair idea of the extent to which it is grown by visiting the vast rose farms in and near Chicago, at New Castle, Ind., and numerous other places where this grand rose is a specialty. My experience with American Beauty as a forcing rose has been very limited and I am, therefore, in no position to do justice to this most important subject. Nevertheless I am always willing to give others the benefit of what little knowledge I have as best I can, for I believe information of this kind, and especially the discussions following, are among the best educators we have for our grand profession.

The propagating and growing of young rose stock for planting was gone over and discussed at a previous meeting in an able essay by our friend F. J. Fillmore, who outlined what I believe to be the proper way to grow young American Beauty stock. I shall therefore begin my remarks in reference to stock that has just been planted in the benches for the winter's work, which should be as near June 1 as possible. Careful watering and frequent syringing during the hot days is an important part of the work. Staking and tieing must also be attended to. A light mulch in the fall is also very beneficial.

But right here is where I want to call your attention to one of the most important features of our season's work, and that is fumigating, for I believe the neglect of this has been the direct cause of my own failure, and the failure of others with Beauties this season. We saw no sign of green fly and therefore did not fumigate regularly. It was a great mistake, and how dearly we paid for it later on in the season, trying to get rid of that small yet most dangerous insect known to the American Beauty rose, called the thrip. I believe I could write a book in telling of all the remedies and the numerous ways we tried to rid our Beauties of this little pest. But it was all in vain. They came to stay a whole season and I am satisfied they will stay it out. And the worst of it all is that they won't stop at any common tea rose or anything else as long as they have Beauties to feast on. At least they do not do near the damage on the tea varieties.

Now about this early fumigating. We see now how comparatively easy it would have been to get rid of this pest in the early fall. In the first place, we do not care to cut flowers for market; we want to leave all the wood on to get large plants for their winter's work, and then we find also that at that time of the year flowers are very low in price and hardly worth shipping, so we could have smoked to our heart's content without doing any material damage to anything except the thrip or any other insects which we did not see at that time, for we did not take time to look. Just then no flowers were being damaged, or if there were a few we did not care, for they were so cheap. It was along in September and the fakirs were selling Beauties for 15 cents and 20 cents per dozen. We all know that if we want to see this little satan we must look for him. After having made all the attempts to murder him I have come to the conclusion that tobacco smoke is the best, and you may rest assured that this fall will not catch us napping, and I hope others will take heed of this and fumigate early and often. I have dwelt on this subject long enough to probably tire you, but I like to speak of it long and often so as to have it impressed on my own mind so strong that I will not forget it this fall.

In growing the plants of this famous rose we have been very successful also in procuring a liberal amount of flowers, of which a fair proportion were long-stemmed. Our soil is a light, sandy loam,

to which we add one-fifth well rotted cow manure and some bone meal. The American Beauty being a strong grower under good conditions is therefore a heavy feeder and we give liquid fertilizer as the days grow longer. Red spider must be guarded against by syringing on all bright days during winter and two or three times a day during warm days. Black spot is a dangerous fungus and one which this rose, as well as most hybrid teas, are more or less subject to and must be kept in check by judicious watering and constantly picking off the diseased leaves. The temperature we like to have our Beauties at is 56° to 58°. The black spot, the green fly and the red spider must be guarded against at all times and if either should appear, by the use of energy and judicious work, all of these can be overcome. But the worst of all and the one thing I claim cannot be overcome without injury to the plants is the thrip.

Gerbera Jamesoni.

In a recent communication to the *Gardeners' Chronicle*, from South Africa, Peter Barr writes as follows concerning this plant: "It may interest your readers to know that it grows among magnetic stones; so powerfully magnetic are these stones, that running one of them along the edge of a table, a needle will as rapidly follow. Charles Ayres, the nurseryman, of Cape Town, who some years ago sent home so many Richardia Pentlandi, on returning from his excursion after the above plant, was asked by the magistrate of Barberton to accompany him to the spot where the Gerbera Jamesoni grew, and he collected as many as his means of transport permitted, simply pulling up the plants, and stuffing them into sacks. After several days' journey they were none the worse, and after pulling the plants to pieces, he dispatched most of them to England, along with the collection of bulbous plants, which form an item of his world-wide business."

A New Style Greenhouse.

The accompanying illustration affords a view in a carnation house built by the Dunkley Floral Company, Kalamazoo, Mich., being a reproduction from a recent photograph. The house was designed by the firm's manager, M. F. Kyle and erected in the place of the first two houses, built sixteen years ago, by the late Joseph Dunkley. The house is 125 feet in length, running east and west. The total width is twenty-five feet, but the roof is sectional, it being eight feet four inches from center to center of gutters. The walls are four feet high and from floor to gutters it is seven feet four inches, the gutters being supported on iron posts set in cement. The ridge is ten feet high. The house has proved very satisfactory and, the gutters being overhead, affords greater convenience for operation and a most economical arrangements of benches, the new house having one more four-foot bench than had the two old ones.

CARNATION HOUSE OF DUNKLEY FLORAL CO., KALAMAZOO, MICH.

Bat Guano.

Hundreds of tons of bat guano have been discovered in a cave on a cliff overlooking what was once the bed of the Mississippi river, in Monroe county, Illinois, the market value of which is about $25 a ton.

The discovery was made by George P. Boll, of No. 2615 St. Louis avenue, St. Louis, Mo., more than a year ago, since which time he has been experimenting with the value of this guano for fertilizing, as compared with that of sea fowls found on the islands of the southern seas.

Mr. Boll, a prospector, says this cave is on the property of George Kavanaugh, now five miles from the Mississippi river, near Glasgow City, Ill. The mouth of the cave is about twenty-five feet square and is almost 300 feet above the river level. Mr. Boll estimates that this guano deposit is more than 3,000 years old. Farmers in that section, he says, have told him that forty years ago the cave was filled with bats, the entrance guarded by rattlesnakes.

The cave has been explored back 1,200 feet. The guano deposit is spread over its floor six to eight feet deep. The roof of the cave is sixty feet high in places. The deposit is waxy and oily, and looks like coffee grounds. Some of it is yellow like clay. The cave is rich in saltpetre, and was discovered while Mr. Boll was prospecting for copper. It was at one time a gathering place for Indians.

Shaw's Garden and florists of St. Louis are experimenting with the deposit discovered as a fertilizer for flowers, shrubbery, gardens and lawns.—*St. Louis Republic.*

[Numerous deposits of this kind exist in the United States, notably in the valley of the Great Salt Lake, Utah, but their commercial value is, we believe, quite uncertain.—ED. AM. FLORIST.]

A New "Fairy" Rose.

At the last meeting of the State Florists' Association of Indiana, William Hack, of Indianapolis exhibited three plants of a very pleasing seedling rose, one of which is shown in the accompanying illustration. It is in a 6-inch pot and is one of the 100 plants which constitute his stock, the variety being a seedling of the Polyantha rose Miniature and now in its fourth year. The plant is of dwarf, compact habit, bearing very few thorns. The foliage is dark green and deeply serrated. The flowers are borne in large trusses, are clear white, double and fragrant, resembling those of the Crimson Rambler in size and texture. The specimens shown warrant the conclusion that the variety will be an acquisition for Easter trade and, as Mr. Hack states that it is a free and continuous bloomer, it may also prove a good bedder.

H. JUNGE.

Impressions of a Trip to Asheville.

[*An address by J. F. Sullivan, at a recent meeting of the Detroit Florists' Club.*]

With the vision of flowers and the verdure of the trees which only the southern clime can produce in the month of March I left Detroit on a recent Monday for Asheville, N. C., to attend the meeting of the directors of the Society of American Florists.

It was, indeed, with much anxiety and interest that I undertook that journey. Anxious to contribute my humble share in the work of the society and most deeply and keenly interested in the ultimate result of the selection of Asheville as a meeting place for our next convention, and also interested personally to view with joy the "land of flowers" of which we hear so much and which it had never before been my pleasure to visit.

I watched closely for the line of demarkation between the climate of the north and that of the south until darkness overtook me at Cincinnati on the Ohio river. I had heard that the waters of the Ohio were overflowing its banks but darkness prevented me from seeing this extraordinary spectacle. The water at that time was rising two inches per hour and high water mark was momentarily expected.

Having passed through the celebrated blue grass region of Kentucky the mountainous region of that state was reached at daybreak and the scenery was grand every mile of the way. Before leaving the state and before reaching Harriman Junction, just below the Tennessee line, we had passed through twenty-seven tunnels of various lengths, the longest of

which was, I believe, a quarter of a mile. Harriman Junction is the name of a little town of about 5,000 inhabitants at an altitude of 1,000 feet above the level of the sea and is the junction point of the Southern Railway's line to Knoxville and Asheville, the main road continuing to Chattanooga and New Orleans. About an hour's further ride brought me to Knoxville, Tenn., where to my pleasure and surprise I met our old friend J. D. Carmody, who, as you all know, is one of the directors of the Society of American Florists and was also on his way to Asheville.

I had heard of numerous disastrous washouts on the road between Knoxville and Asheville before reaching the former place, but upon reaching that place it was learned definitely that the damages to the road were so great that traffic was entirely suspended and a force of 500 men was on the repairs. To reach Asheville the only course then open to us was to proceed by way of Chattanooga, Tenn.; Atlanta, Ga., and Spartanburg, S. C., and thence north to Asheville. Our train was not due to leave until 2 o'clock in the afternoon of that day, Tuesday. We therefore had about five hours in which to see the points of interest in Knoxville.

It was not long until we found two floral establishments, the stores of Charles W. Crouch and C. L. Baum, both of whom gave us a cordial greeting and, although we did not visit his greenhouses, we learned that Mr. Crouch had quite an extensive range two miles from town, where further extensions of his plant are contemplated this summer. Mr. Baum has not been long in the business but is an ambitious, youthful fellow who did his utmost to make our stay in his town one of pleasure and interest.

Knoxville is built on the sides of two mountains, separated by the Holston river, which is spanned by a magnificent iron bridge of recent construction, reaching from the side of one mountain to that of another, and is about 200 feet above the water line. Numerous other bridges crossing the same stream were parts of many points of interest of this beautiful little town of 25,000 population so snugly situated between the rugged mountains. Quaint indeed are many of the buildings and characters to be seen here and from this point south the peculiarities of southern people, their customs and the general aspect of the country becomes distinctly defined and intensely interesting to people of the north.

We left Knoxville to continue our journey 200 miles directly south to Atlanta, Ga., and from that point to Spartanburg, S. C., thence north to Asheville, making a detour of 411 miles to reach the point of our destination. From the time we left Knoxville until we reached Atlanta, at about midnight, the rain was falling hard and to some extent the views along the way were rendered less attractive, but nevertheless the diversity of the landscape was still interesting, dotted here and there with the humble southern cabin and occasionally the more pretentious mansion of the southern planter. It was our misfortune to pass Chattanooga during the night. This town of 35,000 inhabitants is situated at an altitude of 700 feet above the level of the sea and abounds with historical points of interest connected with events of the Civil War. Here one of the national cemeteries contains the graves of over 12,000 soldiers. The famous battle fields at Mission Ridge near here, Lookout Mountain and Chickamauga are famed the world over.

SEEDLING ROSE EXHIBITED AT INDIANAPOLIS BY WM. HACK.

Leaving Chattanooga and entering the state of Georgia our attention was centered upon the novel spectacle, to northerners, of vast cotton fields which extend to the end of one's vision on either side. Atlanta was reached about eleven o'clock at night and although this place is about 900 miles directly south from Detroit no appreciable difference in the climate was seen. This condition is accounted for by the fact that this winter was a most severely cold one in the whole south, while our latitude was favored with the mildest winter for years. About midnight we resumed our journey to Spartanburg, S. C., without incident, where we arrived at 9 o'clock next morning. This is a typical southern town of about 30,000 inhabitants. Here we again changed cars and having about one hour to wait we went to the leading hotel of the town where we had our breakfast, consisting of bacon, the customary meat of the south; fried eggs, corn cake and poor coffee.

From here we commenced the gradual ascent to the Blue Ridge and great Smoky range of mountains of North Carolina, where Asheville is situated, over 2,000 feet above the level of the sea. The anticipation of the most magnificent part of the trip is now intensified as we gradually approach the foot of the mountains. For a few miles after leaving Spartanburg the ascent is barely perceptible but as we traversed each mile it became more and more so till a place called Melrose was reached, where another engine was attached to our train to assist in climbing the steep grades that are now before us and here, too, begins scenes among the lofty mountains that are beautiful and magnificent beyond the power of pen to describe.

The day was bright and clear, the air light and bracing, the blue sky above seemed to come nearer to us and completed a picture of magnificence which cannot soon be forgotten. Our progress was necessarily slow because of the steep grades we were now mounting. The turns and sharp curves in the track often would reveal to us the two engines ahead, puffing and exerting all their power to pull the heavy train up the grade, which was every minute getting steeper and steeper, making us think as we got higher and higher that we would sure enough be able to "tickle the angels' feet." I was never much of an admirer of mountains but the scenes hereabout soon converted me and strange, indeed, must be the person who, going through

this place, would not be over-awed by the beautiful and impressive sights he continually beholds. As the train wound around through the valleys we could occasionally see in the distance a mountain still higher than us and miles away covered with snow, while just about us and continually greeting us was beautiful green laurel that contrasted deeply with the dormant trees above.

Picture if you can how charming it must be amid such scenes when the verdure of the trees in spring or summer-time is added to it's present beauty and grandeur. Here, to the delight of everyone, can be seen the noble oak trees towering far above the train with the mistletoe in abundance in plain sight and, slow as the train goes, we part with regret with recurring beautiful sights. In this sparsely inhabited district can be seen the most unpretentious cabins imaginable on the sides of the mountains, which at once suggested the thought as to where and how the occupants obtain a livelihood. Mr. Carmody thought perhaps moonshine industries were relied upon. Occasionally we could see in a deep valley below us a little settlement with fertile fields adjoining, evidently given to the growing of family vegetables and corn to supply the moonshine industries. Finally, after a journey of about 1,200 miles, we reached Asheville at 3 o'clock in the afternoon and went at once to our headquarters at the Swannanoa Hotel were the executive committee was in session.

On Wednesday evening a banquet was tendered us in the Swannanoa Hotel, at which Vice-president Deake presided, with two members of the local Board of Trade present. It was a very informal affair and the best of good humor and pleasantries prevailed, the spirits and customs of southern hospitalities being always present. At a late hour and after supper, Mr. Young, who is an Elk and proprietor of the Swannanoa Hotel, invited the whole party to Elks' Hall, where we were royally received by the local members. Mr. Carmody, I believe, was the only one of our party an Elk and it is only simple justice to these good Elks to say that never before in my life did I see a more hearty welcome and genuine good fellowship.

On Thursday afternoon the Board of Trade provided open carriages for the entire party for a ride. After a drive through Asheville we were soon at the entrance of the Vanderbilt estate, Biltmore. Not far from the entrance the palatial residence is built and stopping there a general view was taken of the country around and one's first thought is that it is no wonder this spot was selected as the abiding place of one with unlimited means. Looking off to the south could be seen Mispagh Mountain, said to be thirty miles away, intervened with numerous smaller mountains, valleys, rivers and streams, making the whole a panorama of unexcelled beauty, grandeur and magnificence. The large conservatories, where nothing was spared in the construction and appointments, were soon entered. Here Robert Bottomly, who perhaps many of you know, at least by reputation, is in charge. He received us cordially and showed us through the place.

We then resumed our journey through part of this estate of 96,000 acres. It could be observed that much of the primitive condition of the ground is being maintained, although in some places a departure is made by building dams, channels, artificial lakes and streams. A vast arboretum is being planted with every species indigenous to that climate. It is yet only partly done and it will take many years to complete it. Of special interest to us all were the many groups of native rhododendrons in their season of blooming, along the many drives, where they are a sight of gorgeous splendor and beauty. Indeed, it would be a big undertaking to only partly describe the many scenes of interest on this vast and magnificent estate.

Our return trip to the hotel was made through different beautiful drives of this interesting little city of 15,000 inhabitants. On Friday afternoon Vice-president Deake took the party out to his

J. D. THOMPSON.
(Manipulator of the new carnation Enchantress.)

neat little greenhouse establishment, where a pleasant hour was spent, after which we proceeded up the mountain to Overlook Park, which was reached after a most interesting ride of about a half hour by trolley car on a road most of which has been recently built, Mr. Deake says, purposely for the benefit of the Society of American Florists. Higher and higher we kept going, objects in the valley below appearing smaller and smaller. Near the top of the mountain we passed through a wooded district that for a time obstructed our view below, but, still ascending, we soon emerged and reached an observation platform over 3,000 feet above the level of the sea and the sight that met our gaze there I shall never forget. I instinctively turned to the party and said: "I will go back to Detroit and with all the power that I can command I will try to persuade every member of our club to visit Asheville in August and if anyone hesitates, doubting the pleasure the visit will afford him, I will offer to pay his expenses there if, after returning to Detroit, he is not more than satisfied with the result of his trip."

My descriptive powers fail utterly to properly and fully portray the immensity, the grandeur and truly magnificent and charmingly beautiful scenes here to behold. Looking down into the valley we saw large farms that appeared as small as gardens, with the trees of diminutive size, surrounding the cozy houses, with their bright tiled roofs, and up the sides of the mountains in the distance appear numerous hotels and summer palaces and miles still further beyond we see the snow capped mountains. Inspiring indeed is this magnificent spectacle which will never be effaced from my memory and which I hope will be the privilege and pleasure of every member of our club to enjoy next August.

As the Eastern members left for home I accompanied them the short distance from the Asheville depot to Biltmore, near where the propagating houses, cold frames and nursery grounds of the Vanderbilts are located. A Mr. Brown, a florist originally form Grand Rapids and who has lived in Asheville for the past few years and was familiar with the grounds and houses, showed me through them. Five large houses are given to the propagation of shrubbery and vines and at the time they were potting off over 100,000 hard-wood cuttings. The grounds immediately surrounding the houses were planted closely with pæonias, phloxes and trees of all kinds in various degrees of development, which, as they reach the standard nursery size, are used to plant at different places throughout the estate.

Leaving Asheville at night I was denied the further pleasure of seeing the great French Broad river along which the road from Asheville to Knoxville is built. But some of it I did see. It was peculiar as well as pleasing and beautiful almost along its entire length. The trees from either side lean over across the water as if in fond embrace. The water at most times is clear and running swiftly and the winds and turns it takes through the mountainous region make it one of the points of interest to the southern traveler. Though physically weary I never tired of feasting my eyes upon the scenes along this most beautiful river.

To describe the many other points of interest from here home would detain you too long, for they were many, but some conception of it can be had from the fact that although before leaving home I packed my grip with reading matter to while away the time, I can tell you honestly that the interest along the route was so great that I did not take a look in hand.

And now, fellow members of the club, I want to make a plea for the Society of American Florists and say that, stripped of every other consideration but loyalty to the society, you should this year more particularly than at any other time give your cheerful support to it. Many of you are now members and all of you should be. We sometimes hear one say that the proceedings of the society are easily accessible through the columns of the trade journals and they regard the $3 dues of the society an unnecessary burden but please bear in mind that the very trade journal you so much esteem owes its very origin and growth to the society whose proceedings it conveys to its readers. The AMERICAN FLORIST was the pioneer of progressive trade literature and the willing exponent of the most advanced methods of growing plants and cut flowers and of the most improved methods of greenhouse building and heating, and its very existence and continued usefulness to the trade is traceable to the Society of American Florists' good work. There is not a florist in this country whose trade is large or small but who has been benefited directly and indirectly by the Society of American Florists.

Patrick O'Mara's success in securing from the great carriers of the country a

reduction of twenty per cent from merchandise rates for florists was only accomplished because the great Society of American Florists was behind him in his efforts and it compelled the express companies to recognize the value and influence of the florists' industry of this country. The accomplishment of this alone is sufficient to excite the admiration of every florist of the country, large or small, and prompt him to give to the society his cheerful and generous support. If you have not already done so send without delay the $3 dues to the secretary and join the ranks of the large delegation that I sincerely hope will and which I am very sure ought to go to Asheville, "The Land of the Sky" next August and then it can be truly said that the aims, purposes and achievements of the Society of American Florists are so valuable, praiseworthy and such a benefit to the craft that it can hold its meetings in either Asheville or any other remote part of the country and still make advances, maintain its numerical strength and usefulness and enjoy the loyal support of its members for all time to come.

Another Big Carnation Deal.

We have been informed of the fact that another big carnation deal has been consummated. As in the case of the Lawson, Peter Fisher, of Ellis, Mass., is a prominent figure in the transaction. The variety concerned this time is one of his seedlings, Enchantress, a beautiful light pink of the highest merit. The price paid for this new wonder is said to be much larger than that which Mr. Fisher actually received for the Lawson. The figure is $10,000 and it has been given by the J. D. Thompson Carnation Co., of Joliet, Ill.

It will be remembered that Mr. Thompson was the first to offer anything like a sensational price for a new carnation, when he tendered Mr. Fisher $5,000 for the stock of Lawson. It is now well known that this price was not sufficiently large to induce Mr. Fisher to part with Lawson, and that another purchaser was found who gave a larger sum for the stock of this variety. Mr. Thompson, however, may be justly regarded as the creator of high prices for new carnations. Thus again does the west set pace for the rest of the country.

Peter Fisher states that Enchantress is as free a bloomer as Lawson and superior to that variety in every other respect. It blooms earlier than Lawson, giving a stem much longer and as stiff as in that variety. The blooms average three and one-half inches in diameter and fully expanded flowers sometimes measure over four inches. The color is far deeper than Daybreak at its best, a beautiful shade of light pink, somewhat darker toward the center. The blooms are produced on stiff stems two to three feet in length and the flower is held perfectly erect. It is decidedly in the same class as Lawson, which is the pollen parent. The keeping and shipping qualities are exceptional. Seven blooms sent from Ellis to Buffalo and back, 1,000 miles, were kept five days, then repacked and sent to Indianapolis, 1,000 miles more, kept until the second day of the exhibition. In scoring it has been awarded ninety-eight points by expert judges.

Some flowers of this new variety now on exhibition in Fleischman's Chicago store are attracting much attention. Fleischman handles the regular carnation blooms of the new proprietors of Enchantress, and makes rather a feature of them. The J. D. Thompson Co. will build two new houses this season, 30x300 feet, in which to grow the recent acquisition. One of the houses will be devoted to plants for blooms and the other to stock plants. One order has already been booked for 20,000 rooted cuttings of Enchantress. This concern is now western agent for Fisher's new carnations, and will grow next year the varieties Mrs. M. A. Patton, variegated; Nelson Fisher, alter style of Lawson, and No. 270, a variegated form somewhat like Prosperity.

PLACED ON THE TOMB OF WASHINGTON FOR THE GERMAN NAVY.
(Artist, J. R. Freeman, Washington, D. C.)

New York.

CLUB HOLDS A WELL ATTENDED SESSION.—PLANS FOR THE AUTUMN EXHIBITION.—CLEARY TO SUPERINTEND TRADE SECTION.—MANY SPECIAL PRIZES.—ARRANGEMENTS FOR THE SUMMER OUTING.—ATKINS DISCOURSES ON ORCHIDS.—ABOUT THE DAILLEDOUZE CARNATIONS.—THE STATE OF THE MARKET.—CUT FLOWER MARKET TO MOVE.—A VARIETY OF LOCAL JOTTINGS OF TRADE DOINGS.

The meeting of the New York Florists' Club on Monday evening, April 14, was well attended considering the busy season, there being forty-two members present. Committee reports showed, moreover, that practical and continuous work is being done between meetings by those entrusted with these duties. Mr. O'Mara made a brief report of progress in the work of preparing for the joint exhibition with the Sculptors' Society at Madison Square Garden next November and announced that J. P. Cleary had been selected to superintend the trade exhibition department of that affair. Letters were read by Secretary Young stating that additional special prizes had been offered as follows: By the American Rose Co., three prizes of $100, $50 and $25 for fifty blooms of Ivory rose, the plants on which flowers are grown to be purchased from the American Rose Company and no exhibitor to win more than one prize; by John N. May, three prizes, $50, $30 and $20, for blooms of Mrs. Oliver Ames; by the Society of American Florists, one silver and one bronze medal for new plants or flowers of American origin; by Lawrence Hafner, $50 for best vase of 100 carnations, one variety not yet introduced to commerce; by Henri Beaulieu, a prize of $5 for dahlias to be exhibited at a special date in September. Mr. Traendly, on behalf of the outing committee told of the many amusement resorts visited and the decision of the committee to recommend that the club's outing take place July 7 at Wetzel's Point View Grove with a preliminary sail up the Sound on the steamer Isabella, tickets admitting lady and gentleman, and including all features, to cost $5. This recommendation was adopted and most of those present at the meeting signed for a ticket. C. H. Atkins then proceeded to address the club, as

promised, on the subject of the cross fertilization of orchids by insects. Mr. Atkins' talk, which was illustrated by numerous drawings and paintings, was somewhat on the same lines as the lecture once given by the late Wm. Hamilton Gibson at an S. A. F. convention. He showed how, in a state of nature, most of the orchids would remain sterile were it not for the interference of moths, bees and other insects, as shown by the peculiar formation of the reproductive organs of the flowers. The diagrams illustrated how the insects, attracted by the bright colors and the nectar secreted in the flowers, are made to carry the pollen from one flower to another and the various processes were described in an entertaining manner by the lecturer, who was awarded a vote of thanks at the close.

Among the numerous seedling carnations at Dailledouze Brothers' Flatbush greenhouses is a remarkable pink variety with white edged petals, which in form and character is as distinct a break from well-known forms as were Lawson and Prosperity. Its stem is very strong and rigid and it has all the good points of a winner, seemingly. Floriana has fulfilled the expectations this season and will hereafter take the place exclusively of Mrs. Jas. Dean, a variety which it rather resembles, although having a greater number of petals. The beds are a perfect sheet of color and the fragrance recalls jasmine. Dailledouzes' white sport from Mrs. Bradt is a splendid flower and a whole house of it will be grown next year. They have a number of other sports from Bradt, one blush and two red-striped on pink ground. Among the recent introductions that have given greatest satisfaction during the past season are Prosperity, Lawson, Genevieve Lord and Lorna. California Gold has also done splendidly and the beds are swarming with fine blooms, but the storekeepers here prefer Eldorado, and so that variety will be retained for leading yellow. Roosevelt has given good satisfaction, but Gomez will be abandoned. Elma, Hoosier Maid and Queen Louise are unsatisfactory. Flora Hill is still indispensable and, although at present badly afflicted with bacteria, is giving flowers of good quality. "She has paid her board all right" is Paul's significant comment. Dailledouze Brothers have bought the old Gard place adjoining their premises, about one and a half acres.

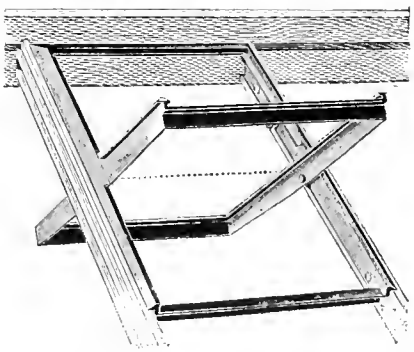
Ever since the middle of last week a decided improvement has been noted in the market and its tone has undergone a great change, due in part to the shortening up of crops in most lines and partly to the renewal of trade relations between the florists and the public who had, as usual, exhausted their flower-buying proclivities for the time being, in the Easter enthusiasm. Roses are beginning to show evidences of the progress of the season summerward and are, on the average, much inferior to what they have been. Lilies are very plentiful, bringing prices at wholesale that make them, everything considered, the cheapest item on the list. Violets grow rapidly smaller with the bright spring days. Carnations are generally good and hold up well in value, with immediate prospects excellent.

The Horticultural Society of New York announces an exhibition at the Botanical Garden on May 14 and 15. The prize of $50 for the best horticultural novelty is again offered and should bring out another interesting contest. Last year this prize was awarded to Gerbera Jamesoni. Other classes in the schedule call for displays of bulbous plants, flowering trees and shrubs, collection of ferns, orchids, palms, etc. On the afternoon of the first day Dr. Britton will exhibit a series of stereopticon slides, illustrating some of the grand plants of New Zealand. Schedules and further particulars on request to the secretary, 136 Liberty street.

There was another lively scrimmage on Twenty-eighth street on Saturday morning last, not between Greeks this time, but between a Greek and a Hebrew, in which the Greek got the worst of it. It has been pertinently remarked that there is about a cartload more of these gentlemen who would benefit by a good punching.

On May 1 the time-honored flower market will remove from the old location at the Thirty-fourth street ferry to the Coogan Building, corner of Sixth avenue and Twenty-sixth street. Frank Millang, who has been for many years a prominent adjunct of the market, will also remove to the same place.

Herbert Cummings, the young colored man who was sent by Thorley to look after the floral adornment of Prince Henry's room on the Deutschland, has returned happy in the possession of a handsome gold watch and autograph letter given him by the prince in commendation of his efficiency.



RASMUSSEN'S VENTILATOR SASH.

The suit of Rudolph Asmus against a neighboring rubber factory for damages resulting from gas and smoke deposit on the glass of his greenhouse has been decided against him. The result is a surprise in the trade for it was believed that Mr. Asmus had a good case.

John B. Nugent and his friends appropriately celebrated his eightieth birthday last Tuesday night, and the old gentleman demonstrated his youthful vigor by dancing a jig. Mr. Nugent is still in active business as a florist and expects to continue so for years.

The papers tell of a boy who fell from a window in the elevated railway station at East Thirty-fourth street ferry and landed in a basket of roses being carried by a Long Island florist. The boy escaped with only a slight sprain, but the roses were less fortunate.

Alex. Westwood, doing business at 489 Columbus avenue, has been forced to give up and the place is being run at present by H. Griffiths, for Mr. McCauley, the mortgagee. A number of wholesalers and growers are creditors for substantial amounts.

Charles Chamberlain, the genial press agent who made so many friends at the Madison Square Garden exhibition last fall, has been elected comptroller of the city of New Rochelle. This is a newly created office and Mr. Chamberlain will just fit it.

The Horticultural Society of New York and the American Institute Horticultural Section held a joint meeting on April 7. The relationship of birds and insects to vegetation, and American forestry were the subjects for discussion.

John H. Taylor had a horse and wagon and three blankets stolen from his stable at Bayside last Wednesday night. The thieves have not yet been located, but Mr. Taylor thinks he has some tangible clues to their identity.

The Pierson-Sefton Company has been incorporated to do business at Madison, N. J., with a capital of $85,000. The incorporators are Paul M. Pierson, Lincoln Pierson, Wm. Sefton, L. M. Noe and Chas. S. Hunter.

Cornelia Noe, wife of Chas. A. Bruen, died at Madison, N. J., on Thursday, April 10, aged 79 years, after an illness lasting over a year and a half.

At Wm. Elliott & Sons' a litter of four pure white kittens is a recent potent attraction for admiring visitors.

Ford Brothers have put in a new front with plate glass in their store on Thirtieth street since Easter.

J. P. Cleary is working till 12 o'clock every night to keep up with the spring business.

Visitors: E. G. Hill, Richmond, Ind.; J. H. Sievers, San Francisco, Cal.

A New Ventilator.

Anders Rasmussen, of New Albany, Ind., who is well known in the trade as the disseminator of the white carnation, Hoosier Maid, has applied for a patent upon a ventilator which he thinks is an improvement on the apparati now in use in greenhouses. It is a cast iron frame and sash and the sash is so closely balanced that a very long line may be attached to one machine. There are no hinges. The accompanying illustration gives an idea of the character of the device.

Boston.

TRADE ON ABOUT THE USUAL LEVEL FOR THE SEASON.—ROSE CUTS REDUCED—BEAUTY RECEIPTS STILL ABOVE DEMAND.—WHITE CARNATIONS HAVE THE CALL.—MEETING OF TREE WARDENS.—VISITORS.

Business at the present time compares favorably with the corresponding period one year ago. The shipping trade holds out well and the amount of material disposed of is quite large, although prices have ruled somewhat low ever since the sudden collapse that followed Easter. Roses of all varieties are quite plentiful but the quantity is greatly reduced during the past four days and the quality generally is also on the downward path. Golden Gate is more plentiful than heretofore in this market but seems to lack cordial support and moves with difficulty. In American Beauty the number of extra quality blooms being received is much below the figures two weeks ago but there are more than enough to fill all calls, the preference going as a rule to the stock of medium grade. Queen of Edgely of extra fine grade is also coming in and with the same result. White carnations have been rather short in supply and are still none too plenty. In colors there is sufficient stock for all needs. As to violets they begin to feel the approach of warm weather and are steadily reducing in size. The cool weather of late has helped to prolong their stay but it will

take only a few hot days now to finish them for this season. Bulb flowers are not giving much trouble. Narcissi are not so badly overstocked as they were and lily of the valley is doing nicely.

On Saturday, April 12, there was a meeting of the tree wardens of Massachusetts at Horticultural Hall. The chair was occupied by Dr. H. P. Walcott. An address on "The Shade Tree Insect Problem" with stereopticon illustration was delivered by A. H. Kirkland. Other interesting speakers on a number of pertinent topics were J. H. Burdett, W. F. Gale, Allen Chamberlain, Christopher Clark, Prof. G. E. Gale and E. A. Stone.

Visitors: Winfried Rolker, New York; Martin Renkauf and Paul Berkowitz, Philadelphia; C. C. Lange, Worcester.

Chicago.

MARKET ASSUMES MORE LIVELY ASPECT.—CUTS SLIGHTLY REDUCED AND BUYING HEAVIER.—SMILAX STILL THE ONLY SHORTAGE.—SUMMER ROSES PRETTY SURE TO BE IN DEMAND.—DOINGS OF THE GROWERS.—CLUB TO DISCUSS ROSE GROWING.—A VARIETY OF PERSONAL NOTES AND VIEWS.—VISITORS.

This week has brought renewed activity in the wholesale district. Receipts have shortened up somewhat and both shipping and city trade have been fairly active, with the result that a more hopeful atmosphere pervades the market. While receipts are still large, the early planting of rose houses is serving to reduce the cut, and with other growers the crop is going off, so that the immediate future affords a fairly satisfactory outlook. While the call for Beauties has increased but slightly, the reduced receipts are making this specialty less cumbersome and on Bride and Bridesmaid roses there is an improvement. The stock in general is extra fine, but this cannot be said of Meteor, which is mostly very short in the stem or dark colored in the bud. There are still very heavy receipts of carnations, but they are moving excellently. Good stock is the rule, but whites have decidedly the preference and every now and then it becomes impossible to fill late requirements. The violet cut is falling down, but the quality is still maintained. Lily of the valley has become somewhat less plentiful and lilies are not so frequently seen. However, most of them now coming in are very poor and their absence from the market would leave no aching void. Callas are plentiful. Sweet peas are coming in extra fine for the season and are selling up to $1 50 per hundred. There seems to be large supplies of common ferns for so late in the season and the wholesalers are inclined to unload their stock in cold storage. Smilax is the only really scarce article. The few growers who are cutting any at all are sending in soft stock and short strings, but it sells up to $2 per dozen.

E. E. Pieser, of the Kennicott Brothers Co., says that he thinks the man who grows roses for a summer cut is sure to come out a winner. Mr. Pieser is a believer in the "near to nature" theory of cut flower production, for he says that the man who does not force his stock, particularly for December, January and February, will get a much greater cut in the spring and summer when supplies are generally light and prices averaging good.

The Fleischman Floral Company has been displaying a vase of Peter Fisher's Enchantress carnation in their State street window this week. It is a splendid flower, of the Lawson type and the Daybreak color. The card on the vase says they are "sole agents."

Charles Anderson, grower for Sinner Bros., who are having fine success with roses, will read a paper descriptive of his methods at the Florists' Club meeting next Wednesday night. It is expected that some flowers of the new Gerbera Jamesoni will be on exhibition.

M. Tredup & Co., at 9201 Commercial avenue, were burned out April 11 by an incendiary fire which destroyed the Eubele block. A ten year old boy has confessed setting the fire and a number of others in the neighborhood.

Ivend Krohn has resigned at Brant & Noe's to go to Charles City, Ia., to superintend the construction of a range of greenhouses for the Sherman Nursery Company, for whom he will be foreman.

Little Holland is still sending in its boxes of bulbous stock, but the cut is light in comparison to what it was a little while ago. Mr. Garland says it has been a very good season for him.

John P. Risch says that during the past two or three weeks the market has looked seriously like a state of overproduction, but he looks for smaller cuts and better prices directly.

J. G. Johnson and Miss May Jackson were married April 9, John Mangel serving as best man. Mr. and Mrs. Johnson are now in the south on a wedding trip.

Bassett & Washburn are beginning to cut from their roses for summer bloom, including excellent Pres. Carnot and short stock of the Marquise Litta.

A. Lange had for Easter some of the largest and best azaleas ever offered in this city. He also had one order for 100 boxes of flowers at $5 each.

The Chicago Retail Florists' Protective Association, organized two months ago, will hold its next meeting Friday, April 25, at Handel Hall.

The Poehlmann brothers are pushing their building operations and are working up large quantities of young stock in chrysanthemums.

Most of the growers are hard at work on the task of planting out carnations, although there are still light frosts.

Benthey & Company expect to have their three new rose houses at New Castle ready to plant within two weeks.

Wietor Brothers are planting a house of La France roses. It is an item not to be had in this market this year.

J. B. Deamud reports that business since Easter has been better than in any previous year of his experience.

Mr. and Mrs. C. L. Washburn are at Lynn, N. C., but expect to be home the latter part of next week.

E. C. Amling says he thinks the shipping trade was never better at this season of the year.

M. Winandy has his place in fine shape, all the visitors speaking of the health of his stock.

Ed. Benthey has recovered from a two weeks' illness.

Arbutus made its appearance at Hunt's April 15.

Visitors: A. E. Lutey, Calumet, Mich.; W. L. Morris, Des Moines, Ia.: Miles Meidam, Appleton, Wis.

Seedy Season.

Sandy—"So you call dat a real spring suit?"

Cinders—"Sure! Don't you see how seedy it is?"—*Chicago Daily News.*

BEWARE of the palm swindler and others of that ilk.

Philadelphia.

TRADE FAIRLY ACTIVE.—GOOD DEMAND FOR DECORATIONS AND FOR FUNERAL FLOWERS.—STOCK GOOD.—ALL ABOUT SUPPLY AND PRICES.—GOOD CALL FOR POTTED PLANTS.—SEED HOUSES BEHIND ON ORDERS.—MEETING OF HORTICULTURAL SOCIETY.

Business has been moving along with considerable life the past week, there being many weddings requiring quite elaborate decorations. Private theatricals and a goodly lot of flowers for the great Reaper kept everybody busy. The stock coming in is of the best, carnations and roses being particularly fine. Sweet peas are much in demand, as are also all the "spring" flowers. Prices are much the same as last week: Beauties, specials, $4; teas, $8 to $10; Liberties, $10 to $15; carnations, $2 to $4, for Joost, Melba, Hill and Crocker; White Cloud, Lawson, Bradt and Prosperity $4 to $6. Prosperity now has a fine color and would be grand with a little more silica in the stem. Sweet peas range from 60 cents to $1 per hundred, nearly all Blanche Ferry as yet. Violets are still with us, very nice doubles selling for 75 cents per hundred. Bernheimer has a late lot of California that are fine; 50 cents per hundred is the price. Valley sells well at $3 to $4 per hundred. Southern daffodils are still plentiful and large quantities are sold on the streets and a good many of the finer sorts in the stores; prices range from 50 cents to $2 per hundred.

There appears to be a good demand for blooming plants and hydrangeas, daisies, spiræas, lilies and rhododendrons are selling well. R. Craig & Son are sending in some nice rhododendrons, neat shaped plants and well flowered. John Westcott has a nice lot of English primroses which go quickly. There is also a good demand for pansy plants and button daisies. These latter sell for $4 per hundred. Japanese maples in pots also appear to be selling well. They are certainly very pretty. A large lot of Japanese plants were offered at auction the past week. A company of Japanese merchants appears to be making a business of importing and growing on plants for such sales. Many of the plants are quite large and generally bring good prices at auction.

The seedsmen are head over heels with orders and can scarcely get caught up. W. Atlee Burpee and W. H. Maule both claim that this year's business is a record breaker, which statement will also hold good with the H. A. Dreer Company and H. F. Michell, all the firms claiming to be away behind with orders.

The April meeting of the Pennsylvania Horticultural Society was very interesting. A talk on ferns illustrated by blackboard drawings and sketches by Mr. McFarland was listened to with great attention. There was also an exhibit of some well grown plants.

Visitors: A. Leuthy, Boston; John H. Seivers, San Francisco.

K.

Thank You, Sir!

ED. AM. FLORIST:—I enclose $1 for renewal of subscription. Your paper is still the best of all. A. J. FISH.

New Bedford, Mass.

THE official classification of the St. Louis World's Fair gives to horticulture seven groups and thirty-one classes, covering the whole subject.

THE AMERICAN FLORIST

SEVENTEENTH 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.

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.

cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

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-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., Chicago.

THERE is some inquiry for cacti for bedding purposes.

THE novelty men are finding it quite difficult to move along with the times.

THE price of glass advanced fifteen per cent in the past week and a further rise is likely soon.

THE grower, however good, is working at a big disadvantage if his houses are not modern in every respect.

WE find from the *Gardening World* that the Azores ship large (?) quantities of lily bulbs to America. Cannot Brother Fraser supply the figures?

AN improved form of Lilium candidum would make a desirable addition to our list of forcing bulbs, although the plant is now exceedingly useful in this way.

THE mailing label on your paper shows when your subscription expires; when you send your renewal note that the date changes within two weeks; it will serve as your receipt.

IT is frequently better to replace old-fashioned greenhouses, defective in equipment, with new and improved structures than to increase the glass area, even where the additional houses are up-to-date.

WITH the large area devoted to the carnation this season, it was predicted by many that the flower would lose somewhat in popularity, but this expectation has not been borne out by the facts to date.

WE are in receipt of a photograph showing an unusually fine house of Lady Hume Campbell violets at the greenhouse establishment of J. R. Freeman, of Washington, D.C. The picture, unfortunately, is not suitable for reproduction.

Lilium Candidum For Easter.

ED. AM. FLORIST:—Our mode of handling Lilium candidum this season, when we had them all in just right for Easter, was as follows: We received the bulbs about the middle of September and potted them at once into 6-inch pots with good rose soil. The pots were placed along the walks under the carnation benches and allowed to remain there until the bulbs were well rooted and had started about three inches. Then the plants were removed to a bench in a light house with a night temperature of 60°. Here they remained until they were finished. In order to keep them clean we plunged them in tobacco stems.

JOHN WALKER.

Can't Do Without It.

Send me along your latest "Florists' Directory." It's one of those things you can't do without. WM. SCOTT.

Buffalo, N. Y.

Greenhouse Building.

San Francisco, Cal.—H. Plath, four houses 25x100. C. Ferrari & Son, twelve houses.

St. Cloud, Minn.—Kindler Floral Co., house 15x65.

Brampton, Ont.—Wm. Fendley, range of houses.

Des Moines, Ia.—W. L. Morris, range of houses.

Appleton, Wis.—W. H. Rogers, three houses.

Seabright, N. J.—Frank McMahon, carnation house 22x150.

Little Silver, N. J.—D. Dean, rose house 34x150.

Madison, N. J.—L. A. Noe, six Beauty houses.

Murray Hill, N. J.—L. B. Coddington, two rose houses.

Woonsocket, R. I.—T. W. Greene, one house.

"Fumigation Methods."

Fumigation has come to be looked upon as a necessity second only to light, heat and moisture in the cultivation of plants with greatest success. With all that has appeared in print on modern methods, it has remained for Prof. Willis G. Johnson to put in neat and accessible form a practical treatise and timely work on cheap and effective means of destroying pests in greenhouses and other places. The book, "Fumigation Methods," contains 313 pages and eighty-two original illustrations, mostly from photographs by the author, and covers the whole subject, from fumigation to keep down insect pests in greenhouses to the methods employed to rid nursery stock and orchards of San Jose scale. Prof. Johnson formerly occupied the chair of entomology and invertebrate zoology at the Maryland Agricultural College and was State Entomologist. He is well known for his experiments with fumigants, particularly hydrocyanic gas, and has frequently lectured before florists' clubs. Send us $1 for a copy.

Trend of the Times.

George M. Kellogg, of Pleasant Hill, Mo., than whom there is no more mild mannered nor astute philosopher in the flower trade, holds advanced ideas as to the trend of the times. He foresees that now, while the production is no more than keeping pace with the demand, the tendency is for the grower to sell his own stock, at wholesale at present, but he has it figured down that before very long it will be necessary for the grower to retail, to sell direct to the consumer, in order to take out a profit. In this connection he points to Chicago, were Emil Buettner has already established his own retail outlet and where the Chicago Carnation Company plans the same departure. Mr. Kellogg says that he, too, proposes to be prepared when the time comes that every grower must "scratch his own back" and has organized a retail department in connection with his wholesale business at Kansas City. The local retailers protested at the announcement, but they became reconciled when they found that Mr. Kellogg maintains good retail prices and is always ready to let the wholesale buyers have anything unsold, protecting them in the division of the stock in times of short supply. Now Mr. Kellogg proposes to erect a new store in Kansas City, making the retail feature prominent, and is planning to open a high class retail place in St. Louis next fall.

It is pretty well understood that since Chicago curbstone dealers are out of business a good deal of the surplus in that market on Fridays has been going to a couple of Kansas City department stores, where on Saturday it is sold practically at cost. Some Kansas City retailers take exception to this, but Mr. Kellogg hasn't noticed any of his customers patronizing the department store flower counter, and he believes that when these sales stop, which they must as soon as the Chicago market gets short again, there will have been a demand for flowers created among a new class, who will then patronize the flower stores, even if at slight additional expense, particularly after they find that the retailer's stock is worth more than the difference in price between it and that in the hurly-burly.

Cleaning Glass.

ED. AM. FLORIST:—We have some old houses to tear down this spring and wish to use the glass for a new structure for chrysanthemums. But the glass is badly discolored by greasy smoke. Please give us a formula for cleaning such glass.

L. B.

Soak the glass for a few hours in a strong lye water, made either from wood ashes or concentrated lye. The soot will then readily wash off. L. R. TAFT.

Piping a Carnation House.

ED. AM. FLORIST:—I am preparing to build a modern carnation house 30x200, near Pittsburg, and would like some advice as to piping. The house will stand alone, with a row of lights around the sides, and will be heated with steam from a boiler in a pit. There will be four five-foot benches, with walks around the outside of the house. My idea is to use 2-inch overhead flow and 1¼-inch returns. Will one flow be sufficient, and how many lines of returns will be needed? Should all the returns be under the benches or should some be on the side-walls? C. C.

It will be best to use two 2-inch or one 2½-inch flow and ten 1¼ inch returns. One or two of the returns should be on the walls and the others should be distributed under the benches.

L. R. TAFT.

Best Glazing Material.

ED. AM. FLORIST:—What do you consider best and cheapest for glazing hot bed sash and greenhouses? I have used common putty and liquid putty, but have had no experience with mastica or other preparations. J. W. T.

The best putty is never cheapest in its first cost, although it may be in the end. For greenhouse work about five per cent of white lead should be added to ordinary putty. Especially if used in a liquid form, the putty should be thoroughly mixed and free from lumps and on this account the especially prepared greenhouse putty has much merit. The same is true of mastica, which is particularly valuable for patching up old roofs and for use on hot bed sash. Mastica, Twemlow's English glazing putty and other brands of greenhouse putty seem to be of a semi-elastic nature and are as a rule more durable than ordinary putty.

L. R. TAFT.

Practices of Wholesale Plantsmen.

ED. AM. FLORIST:—I have followed with much interest the various complaints which have been made from time to time of wholesalers sending cut flowers to consumers or those outside the trade in the different cities. As yet I have not seen the practices of the plantsmen spoken of. An Ohio firm, however, sends a so-called wholesale catalogue to the retail plantsmen and at the very same time this list is put into the hands of bankers, hardware dealers and various parties. I saw a bill from this concern for goods sold outside the trade: Roses at $3 per hundred; cannas at $5. What is the retail plantsman going to do? Can he pay express charges, stand losses, guarantee the stock and live? I do not think he can. I would like to find out if this custom of the so-called wholesale houses is general or if the case mentioned is an exception. F. J. U.

Anniston, Ala.

The Rot of Callas.

ED. AM. FLORIST:—We have been having trouble with our callas. Many of them have rotted off at the top of the bulb. What is the cause and remedy? J. Y. L.

In a former issue, replying to a similar query, one of our contributors said: "Your calla appears to be affected with a bacterial disease closely related to one which attacks hyacinths and often causes serious trouble. The disease attacks the upper part of the tuber, which begins to decay, as well as the rootlets leading from it and also the bases of the leaves. The only remedial measure that we can suggest is to exercise care in watering so that the ground may be kept dry as possible consistent with good growth. The diseased plants should be destroyed, but in case the diseased area is limited it might be cut out. It is possible that the application of liquid manure to the callas in question may have aided in the spread of the disease."

Trouble With Boughten Plants.

ED. AM. FLORIST:—Last fall I purchased some field-grown carnation plants, White Cloud and Gomez. They were fine looking plants on arrival and we benched them in the same house with home-grown plants. All were treated alike. Shortly the White Cloud began to wither and die; not one survived and many of the Gomez died and those which were left produced no good flowers, while our own plants did splendidly. What could have been the trouble? J. Y. L.

There are so many things that may have been the trouble that it is almost impossible to answer the question, but from the inquiry one might infer that the plants were over-heated in the boxes, not sufficient to show when first planted but enough to develop the fungus that eventually carried them off. The moral is to grow your own plants. I suppose that lots of shipped field-grown plants give good results but many of them do not and where it is practicable to grow your own plants that is the proper thing to do. ALBERT M. HERR.

OBITUARY.

THOMAS F. DELAHUNT.

Thomas F. Delahunt, of Chester, Pa., was killed April 10 by an electric shock while using a telephone. Mr. Delahunt's attention was attracted by a peculiar noise at the 'phone and he pulled down the receiver, using both hands. As he did so he received a shock, but was able to stagger back a few steps, when he fell into the arms of William Dempter and Horace Lynch. Mr. Delahunt was a widower, age 36 years.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (six words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1902 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—Good all around man desires position in floral store or with grower in or near Chicago. Single, sober, American, NEWTON BADGER, 2225 Cottage Grove Av., Chi.

SITUATION WANTED—By reliable all-around florist; good designer; competent to take charge; married. Best references. Please state terms. Address AVONDALE, care American Florist, Chicago.

SITUATION WANTED—By German, 32, single, 17 years' experience in greenhouse work cut flowers and pot plants. 7 years in this country. Good references; able to take charge. Please state wages. C B, care American Florist.

SITUATION WANTED—As foreman by thoroughly practical florist. Good decorator, designer, etc. Grower of No. 1 roses, carnations and 'mums. First-class commercial or private position. Good wages expected. Address G. FOREMAN, care P. O., Canton, O.

WANTED—First-class man for wholesale flower house. H F C, care American Florist.

WANTED Competent cut flower grower. State wages, experience and age. Address VIRGO, care American Florist.

WANTED—One rose grower, two helpers for rose section and two for general greenhouse work. J. F. WILCOX, Council Bluffs, Iowa.

WANTED—An all around florist; good grower of roses, carnations and 'mums; state wages. Write at once. MUNCIE FLORAL CO., Muncie, Ind.

WANTED—At once an experienced florist, German or French preferred. State wages wanted with board. JACOB THOMANN, Rochester, N. Y.

WANTED—Capable man to take charge of 3000 feet general stock—or will sell right. No competition. State experience and wages wanted. W. J. OLDS, Union City, Pa.

WANTED—Man who can grow carnations, roses and general stock. Send reference and wages expected. Steady place year around. J. E. YEATS, Champaign, Ill.

WANTED — Two men in commercial place; must be experienced in bedding stock; good wages to right men. J. F. KIDWELL & BRO. 3806 Wentworth Ave., Chicago.

WANTED—Sober man to take a section of new Beauty and rose houses. Wages to start $15.00 a week. Send your references. Address SUPT. THIESS FLORAL CO., Denver, Colo.

WANTED—Man with good general knowledge of plant growing. Middle aged man preferred. For the right man a permanent position with good pay. Address Ohio, care Am. Florist.

WANTED—A first-class Beauty grower, married man preferred. Will pay good wages to right man. If satisfactory will give full charge of establishment. JNO. MUNO, 51 Wabash Ave., Chicago.

WANTED—To lease for not less than 3 years, by a practical grower of 20 years' experience, a place of from 5,000 to 15,000 feet of glass in good condition. West of Denver preferred. Address H C, care American Florist.

WANTED—Capable young man for general greenhouse work. One with some experience in greenhouse construction preferred. State age, experience and wages required, in first letter. ESTHERVILLE GREENHOUSES, Estherville, Iowa.

WANTED AT ONCE—A first-class rose, carnation and violet grower. Dwelling close to greenhouses and good wages to right man. Young married man preferred. Address, giving references, J. R. FREEMAN, 612 13th St. N. W., Washington, D. C

WANTED—Gardener to care for garden, lawn and greenhouse, cow and horse. Must be experienced and capable. Wages $30 per month with board and room. Address, giving nationality, age, experience and references. G. E. DILEY, Palestine, Texas.

FOR SALE—Good second-hand greenhouse material. L. A. WHEELOCK, Ovid, Mich.

FOR SALE—Prosperous, up-to date, growing florist business; established 12 years. Address for particulars, MRS. S N. ALKIRE, Greenview, Ill.

FOR SALE—6,000 feet of glass well stocked, house, etc. All O. K. and in good order. Bargain; terms easy; other business. Address Box 53, Decatur, Ill.

FOR RENT—Greenhouses and 14 acres of land with good dwelling and good water supply, without extra expense for rent. Enquire of T. H. WRIGHT & CO., Ft. Dodge, Ia.

FOR SALE—Twenty miles from Boston, five acres level, fertile land, suitable for florist or market gardener. Five minutes from station. L. G. BISSONETTE, 1150 Columbus Ave., Boston.

FOR SALE—At a bargain, greenhouses 25,000 feet of glass, land and good dwelling house, barn, etc., in best of condition and well stocked; near Chicago; owner going into other business. Address H G, care American Florist.

FOR SALE—A well established up-to-date florist and garden business in a wide awake western city. This will pay you to investigate, if you are looking up a business for profit. Full particulars. Address T. L. EAGLE, Pittsburg, Kan.

FOR SALE—25,000 feet of glass; established 15 years. 8 miles from city hall, Chicago, dwelling house, barn, wagons, tools, etc., all complete and at a bargain. Right man could make price asked in one year. Address CHICAGO, care American Florist.

FOR SALE—Greenhouses in full operation, mostly carnations; 12,000 feet of glass near station inside of Chicago limit Good soil plenty of young stock for planting out. Must be sold at once—very cheap. address E H, care American Florist, Chicago.

$300 Per Month.

Do you want it? If so, buy me out NOW, at your own price. Good reasons. 15,000 feet. It costs you a postal card to have particulars.

C. S. FITZSIMMONS, Lansing, Mich.

For Sale at a Bargain

Greenhouses, 25,000 square feet of glass, all in good condition and paying well; within 20 miles of Chicago. Owner is going to retire from business. Address F S, care American Florist.

GREENHOUSE FOR SALE.

Built for Carnations in summer of 1900 of best of Cypress, benches 1¼-inch hemlock well furnished with everything needed; is 2.0 feet long, 20 feet wide. Also fine 2-story dwelling house and ell—12 rooms heated with hot water and hot air—fine bath room with hot and cold water. One of the best locations in center of town. Good stable, stone cellar with cement bottom. Address **S. W. P., P. O. Box 18, Billerica, Mass.**

If you want to get the want you want to get, you want to get your want ad into the

AMERICAN FLORIST

Try it now.

Every advertisement represents a genuine want. It pays to answer them.

Montreal.

CLUB AMENDS CONSTITUTION AND PLANS EUCHRE PARTY.—STOCK SCARCE.—PARTICULAR CALL FOR FUNERAL FLOWERS.—PERSONAL AND TRADE DOINGS.

The last meeting of the Montreal Gardeners' and Florists' Club was rather poorly attended, considering the importance of the business to be transacted. The constitution was amended so that now any active member, upon the payment of $25, shall be entitled to a life membership. Jno. Prescott spoke in favor of having a mixed euchre party in the near future, and another suggestion was that we should hold a euchre party in the Chicagonian style. At the close of business William Hall read a paper upon his experience in carnation growing. It is the general opinion that the Provincial Government will grant us $250 a year to be used for our annual chrysanthemum show.

Owing to the dark weather we have had for the last couple of weeks and to the brisk demand for cut flowers, mostly white, the supply is inadequate as to roses and carnations. The quality in general is fairly good and cut bulbous stock is easier than ever.

The Mount Royal Cemetery will improve the landscaping of the entrance of the cemetery by removing the old greenhouses and replacing them with up to date ones.

Hall & Robinson are adding 10,000 feet of glass to their growing establishment. They will erect one carnation house and one for miscellaneons stock.

Jos. Bennett shakes hands with himself when he sees his fine lot of Schizanthus Wisetonensis and cineraria.

P. McKenna & Son are putting up a big rose house. G. V.

ERIE, PA.—The S. Alfred Baur Company has been incorporated with a capital of $100,000.

GRAND RAPIDS, MICH.—Samuel Perry, well known as a lettnce grower, is building a big house for the forcing of asparagus.

ST. CLOUD, MINN.—The Kindler Floral Company is adding a greenhouse 15x65 and a boiler room and potting shed 8x15 feet.

HOLYOKE, MASS.—At the last meeting of the Horticultural Society, G. W. Thorniley, of Northampton, read a paper on "Popular Plants Snitable for House Culture."

LILY BULBS

Rubrum, Auratum, Album, Giganteum, Single Tiger, Double Tiger. Close rates.

Gladiolus "1900"

NOVELTY. Very showy for cut flower work and florists' window decorations. Spikes 15 inches long, very strong grower, rich red color, three white spots on lower petal. Good substance lasting well after cutting. Successive plantings of this would secure fine window show the whole season. Per 100, $3.75.

GLADIOLUS Mixtures A good assortment.

Vaughan's Seed Store, New York. Chicago.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

COMMISSIONS CARRIED OUT IN LONDON

or any part of Great Britain.

Messrs. WILLS & SEGAR will attend to any commission from American florists for the supply of Cut Flowers, Birthday Flowers, Bouquets, High Class Floral Designs, etc., to their clients who may be traveling in England.

WILLS & SEGAR, Court Florists to His Majesty, The King.

ROYAL EXOTIC NURSERY.

TELEGRAMS, Onslow Crescent, South Kensington. FLOSCULO, LONDON. LONDON, ENGLAND.

Wholesale Flower Markets

MILWAUKEE, Apr. 17.

Roses, Beauty, long, per doz.	3.00@ 4.00
" " med. "	1.50@ 2.00
" " short "	.50@ 1.00
" Liberty	6.00@10.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	4.00@ 6.00
" Golden Gate	6.00@ 8.00
" Perle	4.00@ 6.00
Carnations, ordinary	1 00
" fancy	2 00
Callas	8.00
Harrisii	10 00
Lily of the valley	4.00
Daffodils	3.00@ 4.00
Tulips	2.00@ 3.00
Adiantum	75@ 1.00
Smilax	18.00@20 00
Asparagus	65.00
Common ferns	.25

PITTSBURG, Apr. 17.

Roses, Beauty, specials	30.00@40.00
" " extras	20.00@25.00
" " No. 1	10.00@15.00
" " No. 2	3.00@ 6.00
" Bride, Bridesmaid	2 00@10 00
" Meteor	6.00@12 00
Carnations	1.50@ 4.00
Lily of the valley	2.00@ 4.00
Violets	.20@ .75
Harrisii lilies	8.00@12.00
Pansies	.50@ 1.00
Daisies	1.00@ 2.00
Tulips	3.00@ 4.00
Sweet Peas	.75@ 1.50
Smilax	15.00@20.00
Adiantum	.75@ 1.00
Asparagus	50.00@75.00

CINCINNATI, Apr. 17.

Roses, Beauty	20.00@40.00
" Bride	4.00@ 6.00
" Bridesmaid	4.00@ 6.00
" Meteor	4.00@ 8.00
" Perle	3.00@ 4.00
Carnations	1.50@ 3.00
Violets	.50@ 1.00
Harrisii lilies	15.00
Lily of the valley	3.00@ 4.00
Daffodils	3.00
Tulips	3.00@ 5.00
Romans, Paper Whites	2.00@ 4.00
Asparagus	50.00
Smilax	15.00
Adiantum cuneatum	1.00
Common ferns	.20

ST. LOUIS, Apr. 17.

Roses, Beauty, short stem	5.00@12.50
" " long stems	15.00@25.00
" Bride, Bridesmaid	3.00@ 5.00
" Meteor	3.00@ 5.00
" Golden Gate	4.00@ 6.00
Carnations, ordinary	1.50@ 2.00
" choice	2.50@ 3.00
Violets	.25@ .50
Sweet peas	.25@ 1.00
Harrisii	8 00@10.00
Callas	8 00@10.00
Lily of the valley	3.00@ 4.00
Romans	1 00@ 2.00
Narcissi	2.50@ 3 00
Tulips	2.00@ 3.00
Smilax	15 00
Asparagus Sprengeri	1.00@ 1.50
" Plumosus	1.00@ 1 50

Watch This Space

FOR FUTURE BARGAINS.

JOHN BROD,

349 West North Avenue, CHICAGO, ILL.

Greenhouses, Niles Center, Ill.

Please mention the American Florist when writing.

E. H. Hunt,

WHOLESALE.....

Cut Flowers

THE "OLD RELIABLE."

76 Wabash Ave., CHICAGO.

Frank M. Ellis,

WHOLESALE FLORIST,

1316 Pine Street, ST. LOUIS, MO.

CONSIGNMENTS SOLICITED.

H. G. BERNING

Wholesale Florist

1322 Pine St., ST. LOUIS, MO.

C. A. KUEHN,

Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

Pittsburg Cut Flower Co. Ltd

WHOLESALE FLORISTS.

Pittsburg, Pa.

The Cincinnati Cut Flower Co.,

416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

MICHIGAN

Cut Flower Exchange,

WM. DILGER, Manager,

WHOLESALE COMMISSION.

Full line of Florists' Supplies and Decorations. Special attention to shipping orders.

26 Miami Avenue, DETROIT, MICH.

RICE BROTHERS

WHOLESALE FLORISTS and FLORAL SUPPLIES.

Receivers and Shippers of Fresh Cut Flowers.

Special attention to shipping orders. A complete line of Florists' needs. Send for price list. Prompt returns on all consignments.

128 N. Sixth St. MINNEAPOLIS, MINN.

Galax Leaves, Etc.

	Per 1000
Choice Bronze and Green, Galax	$ 55
Choice Leucothoe Sprays	3.00
Choice Fancy and Dagger Ferns	.75

Rhododendron Sprays, 10 to 20 leaves on each spray, bright glossy green, $5.00 per case of 1000—175 lbs. Leaves alone 50c per 1000. Send for prices on plants. Cash with first order.

J. NELSON PRITCHARD, ELK PARK, N. C.

Please mention the American Florist when writing.

We want all flower buyers on our mail list for our weekly price list. Send us your name and address.

Our BUSINESS GROWS

by dint of careful attention to the requirements of our customers. A satisfied customer means a steady customer and that's the kind of customer we try to make of every man who sends us a first order. Would you like to be one of our satisfied customers? Write us about it to-day.

E. C. Amling

The Largest, Best Equipped and Most Centrally Located Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St. CHICAGO.

L. D. PHONES CENTRAL 1999 AND 1977.

PRICE LIST.

BEAUTIES.		
30-36-inch stems, per doz.		$3.00
24 " " "		2.00
20 " " "		1.50
16 " " "		1.00
12 " " "		.75
6 to 8-in. " per 100	$4.00	5.00
		Per 100
Brides	$4.00	6.00
Maids	4.00	6.00
Meteors	4.00	6.00
Gates	4.00	6.00
Carnations	1.25	1.50
" large and fancies	2.00	3.00
Callas per doz.,	1.00	1.25
Sweet Peas	1.00	1.50
Violets		1.00
Valley, select		4.00
Asparagus plumosus, per stg,	.50	.75
" Sprengeri		4.00
Ferns per 1000, $2.50;		.25
Galax " 1.25;		.15
Leucothoe sprays		1.00
Adiantum	1.00	1.50
Smilax per doz.,	1.50	2.00

Prices subject to change without notice

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

WEILAND-AND-RISCH

CHICAGO'S RELIABLE

Wholesale Growers and Shippers of

CUT FLOWERS,

59 Wabash Ave., Chicago.

SEND FOR WEEKLY PRICE LIST.

WHOLESALE FLORISTS

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florists

31-35 Randolph St., CHICAGO.

Consignments solicited.....

FRANK GARLAND,

Wholesale Grower of **Cut Flowers**

SPECIAL ATTENTION GIVEN TO HARDY CUT **FERNS**

55-57 WABASH AVENUE,

Telephone Central 3284. CHICAGO.

Please mention the American Florist when writing.

GEO. REINBERG,

Wholesale Grower of *Cut Flowers*

Choice American Beauties.

We will take care of your orders at reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.

Headquarters for American Beauty.

51 Wabash Ave., - CHICAGO, ILL.

Please mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, Apr. 18.

Roses, Beauty, 30 to 36-inch stems		3.00
" " 24 " "		2.00
" " 20 " "		1.50
" " 15 " "		1.00
" " 12 " "		.75
6 to 8 " " per 100	4.00@	5.00
" Bride, Bridesmaid	3.00@	6.00
" Meteor	3.00@	6.00
" Perle	3.00@	6.00
" Golden Gate	3.00@	6.00
Carnations	1.00@	3.00
Violets	.50@	1.00
Lily of the valley	3.00@	4.00
Harrisii	8.00@	12.00
Callas, per doz.	1.00@	1.25
Tulips	2.00@	4.00
Daffodils	2.00@	3.00
Adiantum	1.00@	1.50
Common ferns per 1,000	$2.50	.25
Galax leaves, per 1000	$1.00	.15
Smilax per dozen	1.50@	2.00

H. N. BRUNS,

1409-1411 W. Madison St., CHICAGO.

LILY of the VALLEY

Only The Best. Cut and Pips.

CHOICE

LILY of the VALLEY

in large quantities, the finest that is grown, $4 and $5 per 100.

JOHN WOLF. SAVANNAH, GA.

American Florists Ads

Always do business,
Week days and every day
Sundays and holidays,
All over the country,
At home and abroad.

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Avenue, CHICAGO.

JOHN MUNO,

Wholesale Grower and Shipper of **Cut Flowers**

Room 221, 51 Wabash Ave., CHICAGO.

TELEPHONE CENTRAL 3598. All telegraph and telephone orders given prompt attention.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

Please mention the American Florist when writing

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in **Cut Flowers**

All telegraph and telephone orders given prompt attention.

GREENHOUSES: Morton Grove, Ill.

35-37 Randolph Street, CHICAGO, ILL.

A. L. Randall,

WHOLESALE FLORIST.

4 Washington Street, CHICAGO

Send for weekly price list and special quotations on 1000 lots.

The American Florist Company's

DIRECTORY

contains the names and addresses of the Florists, Nurserymen and Seedsmen of the United States and Canada. PRICE, $2.00.

SAMUEL S. PENNOCK,
Wholesale Florist,
1612-18 LUDLOW ST., PHILADELPHIA, PA.

Liberties.

GEO. A. SUTHERLAND,
34 Hawley St., BOSTON.
Telephone 1270 Main.
BEST BOSTON FLOWERS. All Supplies.
An entire floor Devoted to Stock and Manufacturing. Distributing Agent for United States for the wonderful

"Floral" LETTER, unequalled for design work. Script, any color, 3½c a letter. Block letters, 1½c each. The most elaborate design work to order in a few minutes.

GENERAL AGENTS:
H. BAYERSDORFER & CO., Philadelphia
REED & KELLER, New York City.

SPECIALTIES THIS WEEK:
Special American Beauty,
CARNATIONS,
Lily of the Valley, Violets.

CITY HALL CUT FLOWER MARKET
WELCH BROS., PROPS.
9 CHAPMAN PLACE,
15 PROVINCE STREET, **Boston, Mass.**

The best market for Growers who can ship good Cut Flower stock.

J. K. ALLEN,
106 West 28th Street,
Telephone 167 Madison Sq. NEW YORK CITY.

N. F. McCARTHY & CO.
84 Hawley St., BOSTON.
ARE RECEIVING ELEGANT ROSES
ALL VARIETIES.
DON'T YOU WANTSOME?
Tel. 734 and 64 Main.

Geo. M. Moss,
WHOLESALE FLORIST,
32 South 17th Street, PHILADELPHIA, PA.
Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.

Wholesale Flower Markets

BOSTON, Apr. 16.

Roses, Beauty, extra	20.00@30.00
" " medium	6.00@15.00
" " culls	2.00@ 4.00
" Bride, Bridesmaid, Meteor.	1.00@ 4.00
" extra	5.00@10.00
Sweet Peas	1 00
Carnations	1.00@ 2.00
" fancy	2.50@ 3 00
Lily of the valley	2.00@ 3.00
Violets	.30@ .60
Lilies	6 00@ 8.00
Narcissus	1.00@ 2.00
Tulips	1.00@ 2.00
Callas	6.00@ 8.00
Adiantum	1.00
Asparagus	50.00
Smilax	12.00@16.00

PHILADELPHIA, Apr. 16

Roses, Tea	6.00@10.00
" " extra	10.00@15.00
" Beauty, extra	20.00@30.00
" " firsts	10.00@15.00
" Queen of Edgely, extra	75.00
" " " firsts	25.00
Carnations	2.00@ 3.00
Lily of the valley	4.00@ 5.00
Asparagus	25.00@50.00
Smilax	15.00@20.00

BUFFALO, Apr. 17.

Roses, Beauty	7.00@35 00
" Bride, Bridesmaid, Meteor	6.00@12.50
Carnations	1.50@ 5 00
Violets	.50@ 1.00
Lily of the valley	3.00@ 4.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.50

Give Us a Trial. We Can Please You

Roses, Carnations and all kinds of Seasonable Flowers in stock.
WM. F. KASTING, Wholesale Commission Florist.
481 Washington St., Buffalo, N. Y.
Dealer in Florists' Supplies and Wire Designs.
Open Day and Night.

SHIPPING LABELS FOR ....Cut Flowers
Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....
ELECTRO OF THIS LEAF, POSTPAID, $1.25.
American Florist Co.,
CHICAGO.

MARKETING for flowers is a pleasure if done at the Headquarters of the
NEW YORK CUT FLOWER CO.
Here is the choicest stock of the most eminent growers, fresh every morning and in full variety. Goods selected and shipped to any part of the country. Always room for growers looking for an outlet for good cut flower stock.
DAILY REPORTS. WEEKLY PAYMENTS.
SALESROOMS { 55 & 57 West 26th St., NEW YORK CITY.
TELEPHONES: 2239 Madison Sq. 2034 Madison Sq.
J. A. MILLANG, MANAGER

EUGENE BERNHEIMER
Wholesale Florist,
Phone 14269 A, 1604 Ludlow St., **Philadelphia.**
CONSIGNMENTS OF ROSES SOLICITED.

AMERICAN FLORIST ADS ALWAYS DO BUSINESS
Week days and every day, Sundays and holidays,
ALL OVER THE COUNTRY AT HOME AND ABROAD.

BEAUTIES VALLEY

Leo. Niessen,
N. W. Cor. Filbert and 13th sts., Philadelphia.

Note the Smile of Satisfaction

When the consignor reads his returns the buyer opens a box of flowers From

JOHN I. RAYNOR, WHOLESALE COMMISSION FLORIST.

Telephone 1998 Madison Square — 49 W. 28th St., NEW YORK.

YOUNG & NUGENT

WHOLESALE FLORISTS 42 West 28th Street, NEW YORK,

Are shipping the finest Roses, Carnations, Valley, Orchids, Novelties, in the New York Market. ——Price List to Applicants.

TELEPHONE 2065 MADISON SQUARE.

Walter F. Sheridan,

Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Telephone Nos. 2239 and 2034 Madison Square.

MOORE, HENTZ & NASH

Wholesale Commission Florists,

55 and 57 West 26th St., NEW YORK CITY.

Adjoining New York Cut Flower Co. salesroom. Finest Salesroom in the Trade. Inspection Invited. All business, selling or shipping, strictly commission.

WHOLESALE **WILLIAM GHORMLEY,** COMMISSION

RECEIVER AND SHIPPER OF FRESH CUT FLOWERS. DAILY STOCK OF ALL THE CHOICEST VARIETIES FROM BEST GROWERS WHO SHIP TO NEW YORK.

ORCHIDS, ROSES, CARNATIONS, VALLEY.
Largest receiver of VIOLETS in America

Telephone 2200 Madison Square, 57 WEST 28th STREET, NEW YORK CITY.

JOHN YOUNG

Special American Beauties, Surpassing Carnations, Violets, Lily of the Valley, Orchids, and all Seasonable Flowers.

51 West 28th St., NEW YORK.
Tel. 1905 Madison Sq.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR

Violets and Carnations

GROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER,
30 West 29th St., New York.
Telephone 551 Madison Square.

FRANK MILLANG,

CUT FLOWERS,

WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange, NEW YORK.
Telephone 299 Madison Square.

ESTABLISHED 1872.

JOHN J. PERKINS,

COMMISSION FLORIST,

Solicits Consignments or Shipping Orders. Satisfaction given in both.

Write for Terms. 115 West 30th St., New York.

POPULAR WITH THE TRADE.
Therefore a profitable place to send your Flowers.

M. A. HART'S,

48 West 30th St., New York City.
Telephone 325 Madison Square.

Choice Carnations. Selected Roses.

Traendly & Schenck

NEW YORK CITY,
38 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

NEW YORK, Apr. 16.

Roses, Beauty, select	10.00@20.00
" " medium	5.00@ 8.00
" " culls	1.00@ 3.00
" Bride, Bridesmaid	3.00@ 8.00
" Jacq. and Brunner	3.00@12.00
" Liberty	3.00@10.00
" Meteor, Golden Gate	2.00@ 5.00
" All kinds, job lots	.50@ 2.00
Carnations	1.00@ 3.00
Carnations, fancy	3.00@ 5.00
Violets	.25@ .50
Lily of the valley	2.00@ 3.00
Daffodils Tulips	1.50@ 2.00
Freesias, Roman Hyacinths	.75@ 1.50
Callas, Lilies	4.00@ 5.00
Sweet Peas	.75@ 1.00
Cattleyas	25.00@35.00
Mignonette	1.00@ 3.00
Smilax	12.00@20.00
Adiantum	.75@1.00
Asparagus	35.00@50.00
" Sprengeri, per doz. bun.	2.00@ 3.00
Lilac, per bunch	.50@ .75

CHAS. MILLANG,

50 W. 29th St.,

NEW YORK.

FORD BROS.

Receivers and Shippers of

FRESH FLOWERS.

Best Violets in New York market.

111 WEST 30TH ST., NEW YORK.
Telephone 157 Madison Square.

Julius Lang

53 West 30th Street, NEW YORK.

REPRESENTS THE BEST GROWERS OF

ROSES, CARNATIONS, VALLEY.

TELEPHONE 280 MADISON SQUARE.

ALEX. J. GUTTMAN,

Wholesale Commission Florist,

A full supply daily of the choicest New York and New Jersey

FLOWERS.

52 W. 29th Street, NEW YORK CITY.
Telephone 1738 Madison Square.

A. H. LANGJAHR,

Wholesale Commission Florist,

BEST FLOWERS SHIPPED AT LOWEST NEW YORK PRICES.

19 Boerum Place, Brooklyn, N. Y.

TELEPHONE 939 MAIN.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.
Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE.

Now in Season:
FREESIAS,
DAFFODILS,
TULIPS
LILAC,
SWEET PEAS and
ACACIA.

EDW. C. HORAN,

47 WEST 28TH ST.,

Tel. 421 Madison Square, ...NEW YORK.

CUT FLOWERS AT WHOLESALE.

All Roses, Violets

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

J. E. NORTHRUP, Pres.; S. F. LEONARD, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

Twentieth annual convention, Minneapolis, Minn., June 24-26, 1902.

VISITED CHICAGO: A. J. Brown, of Grand Rapids, Mich.

JOHN LEWIS CHILDS, of Floral Park, N. Y., visited Santa Rosa, Cal., April 8.

THE LEONARD SEED COMPANY, of Chicago, has contracted with the farmers at Wausaukee, Wis., for 500 acres of peas.

THE mail order business, says Miss C. H. Lippincott, of Minneapolis, is already a third larger than for this time last year.

J. E. NORTHRUP, of Northrup, King & Company, Minneapolis, reports that the demand for flower seeds is fully twenty-five per cent larger than last year.

The Nebraska contract garden seed growers report big advance orders and say the available acreage is being rapidly taken up, the farmers holding out for pretty stiff prices.

C. N. PAGE, of the Iowa Seed Company, has bought a thirteen-acre tract in Des Moines, Ia., and will convert it into a park. He expects ultimately to have his residence in this place.

EVERETT B. CLARK and family, of Milford, Conn., have the sympathy of the trade in the loss of Herbert A. Clark, who died last week. He was a promising young member of the Everett B. Clark Company. Funeral services were held April 10.

THE Sioux City Nursery and Seed Company, Sioux City, Ia., will not have to remove its plant because of the purchase made by the Omaha railroad, as the seed company still has 100 feet of ground left. On this space an elevator will be erected and other improvements made.

James Sproule.

A few days ago we were pleased to receive a letter from James Sproule, whom many of our readers will recall in connection with the trade in California. Mr. Sproule will also be remembered as the author of that phrase to which he gave expression in September, 1898, when he said: "This seems to be a season of growth depression the world over." We made some comment upon this at the time, as follows:

"This seems to be a season of growth depression the world over," says James Sproule, the San Francisco seedsman. "Growth depression" is a good phrase. We have needed this; it appeals to him who grows and the seedsman who contracts; it is also full of meaning. The coining of such a fitting expression is a recompense these troublesome times. And why should it not prove useful to the flower grower? For example: It shrinks the roses to half a crop at Christmas; it blights big batches of Harrisii; carnations won't open, or prematurely go to sleep; Beauties, under its baneful influence, abort, with insignificant stems and poor foliage. Need we illustrate further? "Growth depression" explains so many things, it must have come to stay.

Mr. Sproule is at present located in Yukon Territory, where he is engaged "in a try for gold more directly than through the medium of flower specialization."

MECHANICSBURG, PA.—H. Gronbeck will shortly remove his greenhouses to South Walnut street, his present location being in demand for residence purposes.

The Lily Troubles.

The troubles with Bermuda and Japanese lilies have been so thoroughly discussed and the remarks of E. H. Michell, A. N. Pierson and others have so fully covered the case that I am unable to add anything to the knowledge of the matter. They have voiced my own experience. Anton Then, of Chicago, thought he had them this time. So did I, but fifty per cent still remain to tantalize us at least until the middle of June.

The Harrisii did not show so much so-called disease as last year. I don't want to put my foot in the lily mess, but can mention that early last August we were in receipt of some Harrisii just as in walked a traveling salesman who could tell diseased bulbs from sound ones. From a case he sorted out twenty-five sound and twenty-five unsound ones. They were carefully labeled and grown with the rest. Three of his sound ones failed to start at all and there are still nine of them left among the lame, halt and the blind. Among the twenty-five picked out as diseased there was positively no difference, so it leaves little faith with me on that score.

I have made up my mind to grow them colder after potting another season, to see if that will suit the critters better, adding heat when stronger light comes in January. B.

PAWTUCKET, R. I.—The Pollard brothers, William H. and Wright, have bought out the business of Mrs. Helen Johnson.

JOHNSON & STOKES'

PRIZE GLADIOLI... SELECTED BULBS.

TRUE TO NAME AND COLOR.

	Per 100	Per 1000
Floracroft Mixture, 1st size	$1.25	$9.00
Floracroft Mixture, 2nd size	1.00	7.50
Brenchleyensis, bright scarlet	1.00	7.50
Orange and Yellow Mixed	2.50	23.00
Pink Shades Mixed	1.25	12.00
White and Light Shades	1.75	15.00
Striped and Variegated Mixed	$2.00	$18.00
Scarlet and Red Shades Mixed	1.00	7.00
May, fine forcer	2.00	18.00
Groff's Hybrids, mixed	2.50	23.00
Johnson & Stokes' Special Mixture	.75	6.50

25 bulbs at 100 rate; 250 at 1000 rate.

JOHNSON & STOKES, 217-219 Market St., **Philadelphia, Pa.**

NEW LATE CABBAGE "HOUSER"

The largest Hard-heading, Fine Grained, Smallest Hearted, Distinct Round, Late Cabbage known. Gardeners will do well to give it a trial.

Mr. J. M. Lupton, the noted cabbage specialist says: It is entirely distinct and keeps over the winter better than any other kind.

Pkt. 10c; oz. 50c; 1-4 lb. $1.50; pound $5.50, postpaid.

Catalogue free for asking.

H. L. HOLMES, Seedsman, Harrisburg, Pa.

ESTABLISHED 1802

THORBURN'S SEEDS

A Few Left

	Per 100	1000
LILIUM SPECIOSUM MELPOMENE, large size, 9 to 11-inches	$8.50	$80.00
LILIUM AURATUM, LARGE SIZE, 9 to 11-inches	8.00	75.00

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

CHOICE TUBEROSE BULBS.

Medium size, about 3 to 4-inch, sound, dry and well cured bulbs

EXCELSIOR PEARL

$4.25 per 1000, f. o. b. Columbus, as long as unsold.

THE LIVINGSTON SEED CO.

Box 103, COLUMBUS, OHIO.

Get Something New

Fern Wreaths are finer and showier for store windows and verandas than the Fern Balls. To introduce them we offer **extra** bargain. Each, 25c; Doz., $2.50; 100, $18. **Try Them.**

CYCAS REVOLUTA, ½ lb. to 20 lb. stems; 10 lbs., $1.00; 100 lbs., $8.00; case of 330 lbs., $21.00.

We Offer to CLEAR FOR SEASON Greatly Reduced.

	Doz.	100	1000
BEGONIA, Single, separate colors	$ .30	$2.00	$17.00
" Double " "	.50	4.00	35.00
CALADIUM, Fancy named, choice	1.25	9.00	
GLOXINIA, Mixed	.40	2.50	20.00
GLADIOLI, Am. Hyb. 60 per cent white and light	.15	1.00	8.00
May, Florists' favorite	.25	1.75	16.00
Groff's Hybrids	.40	2.50	
AMARYLLIS JOHNSONI	2.00	15.00	
Vittata Hybrids, Gems	2.50	20.00	
CANNAS, best named	.30	2.00	15.00
Mixed	.20	1.50	10.00
MONTBRETIAS, Finest grandiflora sorts	.15	.75	6.00

NEW DAHLIA GERMANIA GIANT.

Finest silvery pink. Large flowers on long stiff stems; sold at 25 cents a dozen through season in New York Market. Certificate of merit at Madison Square flower show 1901. Strong field-grown clumps, each 25c; dozen, $2.50; 100, $15.00.

Asparagus Plumosus Nanus Seed, 100, 85c; 1000, $7.50.

Sweet Pea Seed, Florists' sorts, ¼ lb., 10c; 1 lb., 25c; 5 lbs., $1.00.

Let us estimate on your wants for forcing bulbs, fall delivery, Azaleas, Valley, etc. **We can save you Money.**

H. H. BERGER & CO.,

Established 1878. 47 Barclay St., N. Y.

Please mention the American Florist when writing.

FLORISTS' FLOWER SEEDS

VAUGHAN'S ASTERS.

"THE CARLSON" an improved Peony-Flowered Aster, much liked in the Chicago market. White, pink or lavender, each, trade pkt, 25c, ¼ oz. $1.20.

		Trade pkt	¼ oz.	oz.
BRANCHING OR SEMPLE,	White.....pound, $8.00;	10	25	$ .75
" "	Rose pink.....	10	30	1.00
" "	Lavender.....pound, $12.00	10	30	1.00
" "	Red.....	10	35	1.20
" "	Daybreak pink.....	10	25	.70
" "	Mixed.....pound, $6.00	10	20	.50
VAUGHAN'S NEW UPRIGHT WHITE BRANCHING, lb., $12.00		10	30	1.00
VAUGHAN'S NEW UPRIGHT PINK BRANCHING, lb., $12.00		10	30	1.00
QUEEN OF THE MARKET,	White.....			
" " "	Pink.....			
" " "	Scarlet.....	Each 10	20	.50
" " "	Light blue.....			
" " "	Dark blue.....			
" " "	Mixed.....	10	15	.50
ALYSSUM, Little Gem, extra fine strain...pound, $2.50		10	25	

ASPARAGUS SPRENGERI, 100 seeds, 50c; 1000 seeds, $2.00; 5000 seeds, $8.50. Write for prices on larger lots.

	Trade pkt.	Oz.
CENTAUREA Imperialis, mixed, all the following sorts.....	10	60
" " **Alba,** pure white.....	10	85
" " **Armida,** lilac.....	10	70
" " Favorita, brilliant rose.....	10	70
" " Graziosa, dark lilac.....	10	70
" " Splendens, dark purple.....	10	70
" " Variabilis, white, fading to rose.....	10	70
COBÆA Scandens, purple.....lb $3.00;	10	25
DAISY, Burbank's New Shasta Daisy.....	25	
PHLOX DRUMMONDI.		
Grandiflora, Stellata Splendens, white, scarlet, pink, crimson, striped.....each	10	60
Large Flowering, finest mixed.....	10	50

VAUGHAN'S INTERNATIONAL PRIMULA MIXTURE. This mixture is composed of the most salable colors of single flowering Chinese Primulas, the best whites, pinks and reds, with a sprinkling of other colors, enough to give a large variety of colors, the most important shades predominating. We have taken special pains to make this mixture as complete as possible and unreservedly recommend it to everyone. Price for International Mixture, pkt. of 250 seeds, 50c; 5 pkts. 1250 seeds, $2.00; per 1-16 oz. $2.50.

OBCONICA Grandiflora, mixed, 1-16 oz. 85c; pkt. trade pkt. 25c.

FORBESI, "Baby Primrose," flowers rosy lilac, free blooming, excellent for pots. The seedlings begin to bloom 3 months after sowing; 500 seeds 25c.

SWEET PEAS.

Our Sweet Pea Seed was raised by the most careful grower and is equal to the best in the country. We invite comparison.

Any of the following, per oz., 5c., except where noted.	¼ Lb.	Lb.	5 Lbs.
Blanche Burpee, very large white.....	10	25	$1.00
Blanche Ferry, pink and white.....	10	25	1.00
" " **extra early,** 10 days earlier.....	10	25	1.00
California, very soft "Daybreak" pink.....	10	30	
Captain of the Blues, purplish mauve.....	10	30	1.25
Countess, the New, clear lavender.....	10	25	1.00
Countess of Powis, orange suffused with purple.....	10	30	
Countess of Radnor, delicate lavender.....	10	25	1.00
Earliest of All, 8 days earlier than Ex. Early Blanche Ferry	15	30	1.50
Emily Henderson, white, early and free.....	10	30	
Her Majesty, beautiful rose, large.....	10	25	1.00
Katherine Tracy, soft but brilliant pink.....	10	25	1.10
Lady Grisel Hamilton, best of all lavender sorts.....	15	40	
Lady Mary Currie, bright orange pink.....	10	30	1.25
Mrs. Eckford, delicate primrose yellow.....	10	30	1.35
Navy Blue, a new, deep violet-blue.....	15	50	
Prima Donna, soft pink.....	10	25	1.10
Prince of Wales, new, bright rose self.....	15	40	1.65
Sadie Burpee, new white, white-seeded.....	15	30	
" " " " black-seeded.....	15	30	
Saloplan, the best of all reds.....	10	25	1.10

VAUGHAN'S FLORISTS' MIXTURE.—This mixture, which is made up by ourselves from separate colors carefully proportioned, of the best cut-flower sorts and colors, is bound to give satisfaction. ¼ lb., 10c.; lb., 30c.; 5 lbs., $1.25 10 lbs., $2.25.

NEW SWEET PEA—MONT BLANC.—Oz., 15c.; ¼ lb., 40c.; lb., $1 25; 2 lbs., $2.25; 5 lbs., $5 00.

	Tr. pk.	Oz.
CANDYTUFT, New Giant Hyacinth-Flowered. This improved new strain is far superior to Empress. The flower-heads are of immense size, six inches long and about three inches across, resembling a Dutch Hyacinth. They are pure white, and furnish excellent material for cutting. Pound, $2.50; trade pkt., 10c; oz., 30c.		

MIGNONETTE, TRUE MACHET. Trade pkt., 10c; ½-oz., 25c; oz., 50c; 2-ozs., 75c; ¼-lb., $1.25.

NASTURTIUM.

	Oz.	¼-lb.	lb.
"VAUGHAN'S SPECIAL" Mixture of Tall Nasturtiums.....$	.10	$ .20	$ .70
MME. GUNTHER'S HYBRIDS, true.....10 lbs., $5.25...	.10	.20	.60
"VAUGHAN'S SPECIAL" Mixture of Dwarf Nasturtiums.....	.10	.20	.70

FOR OTHER FLOWER SEEDS SEE OUR "BOOK FOR FLORISTS." FREE ON APPLICATION.

☞ 10 per cent. Special Cash Discount on orders over $2.00 for Flower Seeds if the cash is enclosed. ☜

VAUGHAN'S SEED STORE,

NEW YORK, 14 Barclay Street. 84-86 Randolph Street, CHICAGO.

GREENHOUSES: WESTERN SPRINGS, ILLINOIS.

HEADQUARTERS FOR.....

Green Goods

Where you never get disappointed. We always have the stock on hand and of the best quality.

FANCY and DAGGER Ferns, $1.50 per 1000.

Discount on large orders.

BRILLIANT BRONZE AND GREEN GALAX, 75c per 1000 in 5000 lots. Satisfaction guaranteed.

SELECTED SOUTHERN WILD SMILAX, $4 and $7 per case. Also **LAUREL FESTOONING,** good and full, 4c, 5c and 6c per yard.

☞ Orders by Mail, Telephone or Telegraph promptly attended to.

HENRY M. ROBINSON & CO.,

32-34-36 Court Sq., BOSTON, MASS.

Please mention the American Florist when writing

ROOTED CUTTINGS

CARNATIONS.

	Per 100	Per 1000		Per 100	Per 1000
PROSPERITY	$1.00	$30.00	G. H. CRANE	1.25	10.00
IRENE	3.00	25.00	FLORA HILL	1.25	10.00
MRS. LAWSON	3.00	25 00	MRS. JOOST	$1.00	$6.00
MARQUIS	1.25	10.00	WHITE CLOUD	1.25	10.00

ROSE PLANTS from 2½-in. pots.

	Per 100	Per 1000		Per 100	Per 1000
METEOR	$3.00	$25 00	BRIDESMAID	$3.00	$25.00
PERLE	3.00	25.00	GOLDEN GATE	3.00	25.00
BRIDE	3.00	25.00	KAISERIN	3.00	25.00

The above named stock is clean, well rooted and free from disease.

GEO. REINBERG, 51 WABASH AVENUE, CHICAGO.

SURPLUS

Beans and Peas

Crop 1901, Selected Stock.

100 Bush. Beans, Early Red Valentine.
100 " " Ex. Early Refugee.
100 " " Refugee or 1000 to 1.
10 " " Detroit Wax.
10 " " Wardwell's Wax.
30 " Peas, (crop 1900), Pride of the Market.

WRITE FOR PRICES TO

A. V. D. SNYDER,

Florist and Seedsman,

Ridgewood, New Jersey.

Please mention the American Florist when writing.

Carnation Cuttings

Perfectly Healthy. Propagated From Choice Stock. NOW READY.

Queen Louise.

The Best White Commercial Carnation, **$5.00** per Hundred; **$40.00** per Thousand.

	Per 100	Per 1000		Per 100	Per 1000
PROSPERITY	$6.00	$50.00	GOMEZ	$2.00	
MRS. THOS. LAWSON	4.00	35.00	CROCKER	1.50	$12.50
GOV. ROOSEVELT	6 00	50.00	GENEVIEVE LORD	1.50	12.50
HOOSIER MAID	4.00		DAYBREAK	1.50	12.50
IRENE	4.00		ELDORADO	1.50	12.50
EGYPT	4.00		JUBILEE	1.50	12.50
MARQUIS	2.50	20.00	PORTIA	1.50	12.50
VICTOR	2.00				

J. L. DILLON, Bloomsburg, Pa.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

R. C. BERCKMANS, Pres.; R. J. COE, Vice-Pres.
GEORGE C. SEAGER, Rochester, N. Y., Sec'y.
Twenty-seventh annual convention, Milwaukee, Wis., June, 1902.

VISITED CHICAGO: L. Z. Endtz and M. J. Rosbergen, of Boskoop, Holland.

IN Rhode Island, the Greening apple of that name is said to have a representation of less than one per cent in the orchards of the state.

C. E. ARNOLD, of Arnold, Me., advocates Ben Davis or Stark apples for Penobscot county. He says that if the day comes when they are not wanted they can be top grafted.

THE best and hardy variety of the pear Besi de la Motte is said to be that introduced by the late Henry Avery near Burlington, Ia., many years ago. It is a little later than Kiefler but the fruit is of better quality. Prof. J. L. Budd says that the Besi de la Motte grown in Ohio does not seem to be identical.

HEMLOCK LAKE, which furnishes the water supply for the city of Rochester, is to be beautified by the planting of a belt of evergreens around its shores. The city already owns about 1,000 acres of land around the lake. The first planting, the present spring, will comprise about 10,000 young white pine, Scotch pine, hemlock and balsam fir, and the work will be continued yearly until the lake is entirely surrounded by an evergreen forest. Besides adding to the beauty of the reservation, it is also claimed that the use of evergreens exclusively under such conditions is conducive to the purity of the water, as the leaves do not get blown into the water to decay there as is the case with forests of deciduous trees every autumn.

Library of Park Literature.

George A. Parker, superintendent of Keney Park, Hartford, Conn., has been collecting and compiling park reports and valuable park statistics for a number of years and now possesses what is unquestionably the most extensive special library of this class of literature in the world. Mr. Parker is an enthusiast in this sort of work, which is indeed, a labor of love, his only object in getting together this vast amount of material being the ambition to preserve it in such a complete and practical shape that it shall be readily available for reference or educational uses. The library, which is rapidly growing, now almost fills two large rooms. Everything is classified in the most systematic manner. Painstaking industry and a rare aptitude for such methodical work are plainly evident. Mr. Parker is chairman of the committee of the American Park and Outdoor Art Association on Park Census and is also secretary of the Association of New England Park Superintendents.

How to Remove Roots From Sewer Pipe.

There have been many questions asked by engineers and superintendents about how to get rid of stoppages in small sewers caused by roots and other foreign matter. Little or nothing has been written about how to remedy this trouble. About five years ago I accepted the position of superintendent for a suburban land improvement company, says Thomas Strouse in the *Municipal Journal and Engineer*, and during the first year I encountered quite a good deal of trouble with our sewers getting choked. The sewer line was laid with six-inch terra cotta pipe for about six miles in length, with but very few manholes, and each time it got choked we had to dig up the roads to find the trouble, which was generally caused by roots growing in through the joints of the pipe. This digging was rather expensive, especially in the winter, our sewer being from five to fifteen feet deep. Besides it took quite a little time to open it.

I consulted several engineers in reference to some remedy to get rid of this trouble, but all suggested the only remedy would be to relay the sewer. To save this great expense I began to experiment, endeavoring to get some new tool which would clean out the sewer without digging up the streets. I constructed manholes every five or six hundred feet, then made the necessary tools to clean them out. These cost about fifty or sixty dollars for the complete set. I then had the whole line thoroughly cleaned which took four men about two weeks. By going over our line twice a year I find that we can keep the sewer in good condition. The device is simple and inexpensive and does the work very well. This same tool can be made to clean out any small sewer from four to ten inches in size. It is almost impossible to lay pipe with a cement joint that will keep out these very small fibrous roots. They are not any thicker than a needle when they enter, but when once in and fed by the sewerage, they grow quite rapidly until they fill the pipe up.

Columbus, O.

A BUNCH OF TRADE JOTTINGS OF VARYING LOCAL INTEREST.

Siebert Brothers, who are building a nice range of modern houses on West Fifth avenue, have them ready for glazing. The carpenter work and painting is done and it will be but a short time when they will be ready for business.

There is still some bulbous stock in the market and it is finding plenty of purchasers. Roses and carnations are also holding out well, the stock being in better condition now than at this time a year ago.

Miss Hellenthal, who for several years conducted a cut flower store on South High street, has given up her up-town space and located temporarily at her father's establishment on Moler road.

John J. Dreher, formerly with Gus. Drobisch, is now superintendent of public parks, having been appointed by the mayor and council.

Miss Jones is cutting some fine sweet peas and reports other stock doing very well. CARL.

PITTSBURG, PA.—Chas. M. Schwab is building two conservatories and Mr. Westinghouse and Thomas Park, each ranges of conservatories.

BINGHAMTON, N. Y.—W. F. Schmeiske, formerly with B. Dorrance, at Dorranceton, Pa., has taken the position of foreman in charge of the greenhouses of W. H. Graham.

LOS ANGELES, CAL.—Morris Goldenson says that cut flowers were short of the demand at Easter but that he has not heard any complaint that there were not enough blooming plants.

DES MOINES, IA.—W. L. Morris has leased a tract of land at Thirty-fifth and Ingersoll avenue, on which he will erect a new range of greenhouses, necessitated by increasing business.

TOLEDO, O.—George Bayer will enlarge his plant this season and has given an order to A. Dietsch & Co., Chicago, for four of their patent short-roofed houses 450 feet long. Three houses are to be fourteen feet wide and one fifteen feet four inches. It will be practically one house, the gutters and side walls seven feet high. The side walls will have four feet of glass and each side will have a line of ventilators, making six ventilators in a width of fifty-seven feet.

Import Freight Agents Delaware, Lackawanna & Western Railroad Co. at New York, N. Y.

ENERGY. ECONOMY. DISPATCH.

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HOLLAND.

SPECIALTIES ARE: Conifers, Evergreens, Hardy Shrubs, Lilacs, Ornamental Trees, Fruit Trees in different forms, Azaleas, Rhododendron Ponticum and Hybridum.

Please send list of your wants and write for general catalogue. We will make you special offers. Write to

GROENEWEGEN & ZOON,

De Bilt, near Utrecht, Holland.

Clematis.

Strong field-grown, 2 and 3 year plants, 30c to 35c each; $4.00 per dozen.

H. P. ROSES from 4-inch pots, own roots, $1.00 doz.; $10 per 100; 12 kinds.

PAEONIAS, Choice named collection. Distinct named kinds and colors, $1.50 per doz.; $10 per 100.

F. A. BALLER, BLOOMINGTON, ILL.

RHODODEDRONS....

500 Clumps of Rhododendron Maximum, 6 to 8 ft. high, at $25 a doz. Prices of smaller clumps and Kalmias on application.....

L. F. KINNEY, Kingston, R. I.

RHODODENDRONS "MTN."

Seedlings, $10.00 per 1000

Choice plants..6 to 10-in., 75c per 10; $5 00 per 100
" " 12 to 18-in., $1.50 per 10; 12.50 per 100

Special prices on large lots. Cash with first order. Rhododendron Leaves for festoonings, 50c per 1000

AZALEAS, Yellow, Pink and Red or Flaming, sizes and prices same as Rhododendrons.

J. N. PRITCHARD, ELK PARK, N. C.

B. W. DIRKEN,

Oudenbosch, Holland.

ORNAMENTAL AND FOREST TREES A SPECIALTY.

Conifers, Evergreens, Hollies, Etc.

Prices on Application.

NOTICE OF REMOVAL.

Open for Cut Flower Sales at 6 o'clock every morning.

ON and after May 1st, 1902, **THE NEW YORK CUT FLOWER EXCHANGE,** located for many years at the 34th Street Long Island Ferry, will occupy new central and commodious quarters in the Coogan Building, corner of **Sixth Ave. and West 26th Street.**

JOHN DONALDSON,
Secretary.

LATE PRICES.

CARNATIONS — Queen Louise, Estelle, Roosevelt and Prosperity for $4.00 per 100. G. H. Crane, Ethel Crocker and Genevieve Lord for $1 00 per 100.

GERANIUMS — A general assortment of new and standard varieties, all correctly labeled at $10.00 per 1000. A few thousand mixed ones at $7.50 per 1000. Jean Viaud and M. de Castelaine at $3 per 100.

HARDY PHLOX—All the best varieties, labeled, in assortment of my own selection, at $12.50 per 1000.

Above are rooted cuttings, not transplanted plants.

Hardy Phlox, from 2-in. pots, $2 per 100.

BONE MEAL.

I have been using this Bone Meal for a number of years and never have found anything as good. It is not cheap in price; neither is it cheap in results. Put up in 200 lb. bags only at $3.50 per bag or $32.50 per ton.

ALBERT M. HERR, Lancaster, Pa.

Carnations & Roses

AMERICAN BEAUTY

From 2½-inch pots, $3.00 per 100; $50.00 per 1000.
From 3-inch pots, 7.50 per 100; $70.00 per 1000.

CARNATIONS FROM SOIL

Wm. Scott	$1.50 per 100;	$12.50 per 1000
Norway	3.50 per 100;	30.00 per 1000
Genevieve Lord	3.00 per 100;	25.00 per 1000
Prosperity	4.00 per 100;	35.00 per 1000

A. L. THORNE, FLUSHING, N. Y.

Cut Adiantum

Any Quantity, very fine, $1.00 per 100.
Bulbous Flowers in largest assortment.
CUT FLOWERS of all kinds.

Holton & Hunkel Co.
Milwaukee, Wis.

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Cut Flowers, Seeds, Bulbs and All Florists' Supplies.

Get our quotations on your wants before ordering elsewhere.

McKellar & Winterson Co.

45-47-49 WABASH AVE., CHICAGO.

I have a fine Stock of Shade Trees of leading kinds, 1½ to 3 inches diameter, 300 White Birch and Purple Beech, 7 to 10 feet; 10,000 Shrubs, fine Japan Snowballs and Hydrangeas, Evergreens, all kinds and sizes; 25,000 California Privet, 2 to 5 feet; 10,000 Hardy Roses, own roots, Plenty Ramblers, Pears, Apples, Cherries, Quinces, Peaches many in bearing sizes; Rhododendrons and Hardy Azaleas.

STEPHEN CRANE, Proprietor of Norwich Nurseries, NORWICH, CONN.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 79 Milk St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

Theodore Lang.

Capt. Theodore Lang, whose portrait we present, is one of the most enthusiastic members of the New York bowling fraternity. His record score is 273, made about five years ago. His average in twenty-seven consecutive league games rolled this spring is 165. Mr. Lang challenges any individual, a bona fide florist connected with any florists' bowling team, to roll for a purse of $25, best six out of eleven games, and he does not bar Philadelphia, even.

At Flatbush.

Last Thursday night was an unusually quiet one at the bowling alleys, there being but five members present. Louis Schmutz, who generally contributes so liberally to the merriment of these meetings, was laid up with a lively case of rheumatism. Below are the scores:

Player	1st	2d	3d	4th
H. Dailledouze	133	178	126	173
Riley	172	168	159	162
E Dailledouze	184	130	139	132
Wocker	111	117	132	142
Paul Dailledouze	125	117	124	132

At New York.

The New York Florists' Bowling Club met at the Arlington alleys on Monday afternoon, April 14, the evening of that day being reserved for the regular meeting of the Florists' Club. The treasurer reported a revival in interest as evidenced by the present very satisfactory balance in the treasury. Complimentary tickets for the tenth anniversary and ball of the Arlington Bowling League were distributed to each member. The ball will take place on Wednesday evening, April 23, at Arlington Hall. Scores were recorded as follows:

Player	1st	2d	3d	4th
Hafner	177	155	190	166
Thiehmann	186	166	164	180
Burns	187	152	158	175
Siebrecht	177	149	157	157
Herrington	143	98	120	99
Duckham	120	177	120	135
Butterfield	139	122	163	171
Traendly		100	90	97
Stewart		109	111	116

At Jamestown, N. Y.

The contest for the Broadhead cup closes May 15. There have been seven nights' play thus far and at the sixth session the rose growers were 283 pins ahead but at the last meeting they were beaten 233, as will be seen by the following score, and now the carnation men are only fifty pins to the bad:

CARNATIONISTS.	1st	2d	3d	Tl
Eidens	157	114	138	409
Lydon	120	139	156	415
Kaser	112	121	111	344
Doxey	178	138	198	511
Henion	200	136	142	478
Scott	135	111	130	376
Totals	902	759	875	2536
ROSARIANS.	1st	2d	3d	Tl
Coyne	130	169	169	468
Brooks	100	134	113	347
McCue	176	116	137	429
C. Gunton	94	137	123	354
Whitcomb	90	108	115	313
Vanderhof	140	115	137	392
Totals	730	779	794	2303

A. S.

St. Louis.

CLUB HOLDS MONTHLY MEETING—DIGESTS TWO ESSAYS—WHOLESALE MARKET SHOWS LITTLE CHANGE.—VARIOUS NOTES.

The monthly meeting of the St Louis Florists' Club was held April 10 and, although the attendance was not large, much interest was shown. The World's Fair business was finished up and cleared off the slate. Two essays were read, one on the American Beauty rose by Fred. Ammann, of Edwardsville, Ill., who is known as the "Perle King," the other by Rudolph J. Mohr on the early history and classification of the sweet pea. Mr. Ammann's paper provoked considerable

THEODORE LANG.
(Captain New York Florists' Bowling Club.)

discussion. Very fine vases of roses and carnations were exhibited by Mr. Fillmore. His Marquis are especially good.

The market is about the same as last week except that carnations are a little more plentiful, but roses and violets remain the same. Some bulbous stock is shortening up. Narcissus poeticus is coming in large quantities but there is not a very large demand for them and such is also the case with the jonquils and calla lilies. Southern lilacs are coming up now and bring $3 to $4 per hundred sprays.

James Gurney is preparing to plant a rose garden at Tower Grove Park, modeled after the one at Washington Park, Chicago. It will cover an acre of ground and several thousand plants will be required. The beds will be irregular in shape and the walks will be sod.

Henry Braun, formerly with C. C. Sanders, has started in business at 4821 Easton avenue. It will be called the West End Flower Store.

The F. J. Foster Floral Company has been incorporated with a capital stock of $2,000 by F. J. Foster, Maidie F. Foster and John B. Carroll.

Andrew Peterson, of Paxton, Ill., is in the city, visiting the growers and taking orders for his new geranium, A. H. Trego.

Foster has opened a temporary flower store at Sixth and Olive streets.

R. J. M.

MERIDEN, CONN.—Frank H. Lowe has opened a new place on Oak street.

The Chicago Market

When a buyer wants to be sure of getting his order filled he sends it to the *Kennicott Bros. Co.*, for this house is the one which, with largest resources, is conceded to best reflect market conditions. Here stock is to be had if anywhere in this market and here, too, one is sure of the right treatment if supplies are large. No need to look for price lists before ordering, for *Kennicotts* always bill everything at prevailing market rates at hour of shipment, regardless of quoted prices. It gives every out of town buyer just the same results as though he bought over the counter.

Just at this time supplies are large in most lines. There are few items which cannot be supplied at short notice, but it is always best to get orders in as far as possible in advance of train time. That gives a chance to get the stock in from a grower if the day's buying has happened to run heavy on one item, as it often does, say on white carnations or any one of a dozen other things.

Kennicott Bros. Co. has practically unlimited resources. With ample capital to carry on their business they are able to carry a big line of buyers and pay all growers every Monday morning. They represent more glass than any house west of New York, if not more than any other house in the country, and handle more flowers the season through. You can get here all the staples and all the season's specialties, both the first cut and the last. Peonias in the spring are one of their specialties and they handle more of them than all the rest of Chicago put together.

This house has been in the wholesale cut flower business for 22 years and with good stock, right prices, careful packing and prompt service, with every accommodation to buyers, has built up the largest shipping trade in Chicago. With abundant supplies at hand, now is the time for new buyers.

KENNICOTT BROS. CO.

Wholesale Commission Florists and Dealers in all Florists' Supplies.

42-44 Randolph St. CHICAGO.

FLINT KENNICOTT, Pres. E. E. PIESER, Treas.
G. H. PIESER, Sec'y. R. R. JAMPOLIS, Ass'y.
HON. ROBT. REDFIELD, Vice President.

CUT CARNATIONS.

The splendid blooms we are cutting at the present time beat anything we have ever had the pleasure of cutting before. Great big perfect flowers on strong 3-foot stems.

OUR STOCK SHIPS and KEEPS

The following select varieties are bred that way: **Mrs. Potter Palmer,** scarlet; **Her Majesty,** white; **Roosevelt,** crimson; Marshall Field and Prosperity, variegated; Higinbotham, Marquis and Lawson, pink. Try a shipment of these, we will guarantee you a genuine agreeable surprise. They are without doubt **Balm for Sore Eyes.**

If you feel under the weather, they act as a tonic and fix you right up. If you cannot do business yourself, they will do it for you, as they sell on sight. We are also cutting a fine lot of the more medium grades, such as **NORWAY, BON HOMME, BRADT, JOOST, MACEO, ESTELLE,** etc. Write or wire your order in. Say about what price you wish to pay and we'll surely please you. We want you to see what we have got.

Chicago Carnation Co., Joliet, Illinois.

FANCY or DAGGER **FERNS** $1.50 PER 1000

PRINCESS PINE, 5c per lb.

GALAX, green or bronze, 75c per 1000. Laurel festooning, 4c, 5c and 6c per yd. Green or Sphagnum Moss. Send for prices on large orders.

Telegraph Office
New Salem, Mass.

CROWL FERN CO., P. O. Millington, Mass.

GALAX BRONZE or GREEN

75 cents per 1000, in 2000 lots or over: single 1000, $1.00.

WILD SMILAX, 50 lb. case, $6.00. 35 lb. case, $4.50. 25 lb. case, $3.50.

FERN, Fancy, $2.00 per 1000.

FERN, Dagger, $1.25 per 1000.

L. J. KRESHOVER,

110-112 W. 27th Street, NEW YORK CITY.

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HARRY A. BUNYARD, Mgr.,

38 West 28th Street, NEW YORK.

Telephone, 798-799 Madison Sq.

Ferns Ferns

HARDY CUT FERNS.

Fancy Ferns... $1.25 per 1000
Dagger Ferns....$1.00 per 1000
Northern Pine Trees for planting. Decoratives of all kinds.

All orders by mail or dispatch promptly attended to.

THOS. COLLINS, Hinsdale, Mass.

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PRICE LIST.

		Per doz.
Roses, Beauties, 30 to 40 inch stem		$3.00
" " 20 to 24 "	$2.00 to	2.50
" " 12 to 15 "	1.00 to	1.50
" " short.....	.50 to	.75
		Per 100.
Brides, Maids, Meteors, Gates....	$5.00 to	$7.00
Golden Gates, special, fancy.....	8.00 to	10.00
Roses, our selection.....		3.00
Carnations, extra fancy.....	2.00 to	2.50
" fancy, good average..		1.50
Violets.....	.50 to	1.00
Mignonette.....	4.00 to	5.00
Easter Lilies, select.....	10.00 to	12.50
" " seconds.....	6.00 to	8.00
Callas.....	10.00 to	12.00
Tulips, double.....		4.00
" single, all colors.....		3.00
Daffodils, double, extra fine.....		3.00
Lily of the Valley.....	3.00 to	4.00
Asparagus.....Per string,	.50 to	.75
" Sprays.....Per 100,	2.00 to	3.00
" Sprengeri..... "	3.00 to	6.00
Common Ferns.....Per 100		3.00
" " .....Per 100		.30
Galax Leaves.....Per 1000	1.00 to	1.50
Smilax, extra heavy.....Per 100	15.00 to	18.00
Leucothoe Sprays ..... "		1.00
Adiantum..... "		1.00

We are receiving a very fine line of

ROSES AND CARNATIONS

As well as all other stock and are the only firm in Chicago carrying a stock of

WILD SMILAX

always on hand.

J. B. Deamud,

51 Wabash Ave., Chicago.

WILD SMILAX PER CASE.

No. 1, 15-lbs.....	$2.50	No. 4, 35-lbs	$4.50
No. 2, 20-lbs.....	3.25	No. 5, 40-lbs.....	5.25
No. 3, 25-lbs.....	3.75	No. 6, 50-lbs.....	6.00

Prices subject to change without notice.

The F. R. WILLIAMS CO.

WHOLESALE FLORISTS.

Brides, Maids, Meteors, Carnations, Cut Adiantum, Galax, Smilax, Hardy Ferns and Florists' Supplies

Telephone Connections. CLEVELAND, OHIO.

If You Have Stock To Sell...

the best way to make that fact known to the trade is by regular advertising in

Give it a trial.

...The American Florist.

Detroit.

BUSINESS PRINCIPALLY FUNERAL WORK.—ROSES PLENTIFUL BUT CARNATIONS SCARCE.—A BACKWARD SEASON—CLUB MEETING.—VARIOUS TRADE DOINGS.

Trade since Easter has maintained an even trend without incident. There has been a noticeable absence of wedding and other events calling for the extensive use of flowers, the greater part of the business being funeral work. The weather has been constantly cold and unseasonable and little progress has been made in outside spring work but active preparations for carnation planting are now to be seen at many places. Bulbous stock is fast disappearing, while the supply of roses is being daily increased and the quality improving. American Beauties, which were for some time quite scarce, are now much more plentiful and selling well although at somewhat easier prices. Carnations continue scarce although the quality is generally fine. Violets are much improved by the continued cool weather and promise to be with us for quite awhile yet.

The club meeting last Wednesday evening was well attended. E. H. Smith read a paper on the growing of plants for Easter. It was well received and an interesting discussion followed. John Dunn gave a report of his recent trip to Grand Rapids. At the next meeting, May 7, Eugene Oestreicher, of Mt. Clemens, will read a paper on "Troubles and Trials of the Florists' Employe."

The Painesville Floral Company is the latest addition to the retail stores here, located at 118 Michigan avenue. J. F. McHugh, the proprietor, has handled nursery stock in this vicinity for the past twelve years.

Miss Anna J. Schulte will remove from her present location on Woodward avenue to 59 Michigan avenue about May 1.

Thos. F. Browne was last week elected supervisor of Greenfield township, where he resides.

Visitors: Mr. Smith, of Smith & Fetters, Cleveland; Geo. A. Heinl, Toledo; Mr. Ford, of New York; J. A. Bissinger, Lansing, Mich. J. F. S.

Louisville, Ky.

Jacob Schulz rented a vacant store on a corner and had a grand display of blooming plants and did a land office business for Easter. He had the finest lot of plants of his own growing ever shown in the city.

Louis Kirch and C. H. Kunzman, the carnation specialists, have had fine cuts of late and got good prices, especially at Easter.

Nanz & Neuner report catalogue trade better than for the last ten years, and some very heavy orders are coming in.

F. Walker & Company have had a beautiful display of plants at their store and city conservatory.

Wm. Mann, the calla specialist, has had a large supply, but none to wholesale.

Wood & Stubbs, a new seed firm here, are now running two large stores. H. G. W.

DAYTON, O.—John Fine received tidings April 10 of the sudden death of his aged father at College Hill, Cincinnati.

DENVER, COL.—The Thiess Floral Company has been incorporated by Frank P. Gegenbach, Charles J. Thiess and Seymour D. Van Meter. The capital stock is $5,000.

WE HAVE OUR USUAL STOCK OF FINE
AMERICAN BEAUTY PLANTS.
JOHN BURTON, Chestnut Hill, Phila. Pa.

Am. Beauties ROOTED CUTTINGS
$25.00 PER 1000.
This stock is free from spot, thoroughly rooted and first class in every respect.
If not satisfactory or just as represented by us you can return same at once.
J. A. BUDLONG, 37 and 39 Randolph St., CHICAGO, ILL.

Roses, Roses.
Brides, Maids, 2½-in., $3 50 per 100.
Perles and Golden Gate at $4.00 per 100.
Wichuraiana at $3.00 per 100.
Have a few hundred Kaiserin and Belle Siebrecht left at $4.00 per 100.
This is strong healthy stock, from 2 to 3-eyed cuttings and has been repotted from 2-inch. Special prices in Large Lots.
Send $1.00 for Samples.
J. C. MURRAY, THE FLORIST,
PEORIA, ILLINOIS.

IRISH JUNIPER TREES
Extra heavy, 4 ft. ..... $20.00 per 100
18 to 24 in. ..... $8.00 per 100, $60.00 per 1000
24 to 30 in. ..... 10.00 per 100, 75.00 per 1000
30 to 36 in. ..... 12.00 per 100, 100.00 per 1000
250 of each size at 1000 rates. Boxing at cost.
RUBBER PLANTS
grown from top cuttings. 12 in. plants, $3.50 per doz.; 18 in. plants, $5.00 doz.; 20 to 24 in. plants, $7 per doz.
ROSES Golden Gate, La France, Bride and Bridesmaid from 2-in. pots, $3 per 100; $25 per 1000.
JOSEPH HEINL, Jacksonville, Ill.

CANNAS...
DORMANT OR STARTED, STRONG TUBERS.
Mme. Crozy, Black Prince, Marquandt, Crimson Bedder, etc., $2.50 per 100. Austria, Burbank, Chas. Henderson, $2.00 per 100; $18.00 per 1000. Green and red leaved mixture, $1.50 per 100.
HOLLYHOCKS, field-grown, Charters, Allegheny Strains, finest colors, $2.50 per 100. DAHLIAS, field-grown, separate colors, named, best for cut flowers, $4 per 100 CASH PLEASE. SHELLROAD GREENHOUSE CO., Grange P. O., Baltimore Co., Md.

ARE YOU INTERESTED IN
American Beauties?
We have now over 10,000 in sand and pots, up to 3-inch. Write us.
GEO. A. KUHL, PEKIN, ILL.

ASPARAGUS
PLUMOSUS NANUS SEED.
ABSOLUTELY FRESH.....$7.50 per 1000
S. S. SKIDELSKY,
708 N. 16th Street, PHILADELPHIA, PA.
Please mention the American Florist when writing.

ROOTED CUTTINGS
Estelle, $5.00; Lawson, $4.00; Marquis and Elm City, $2.00; Crocker and Lord, $1.00 per 100. Other varieties on application.
DANA R. HERRON, OLEAN, N. Y.
Please mention the American Florist when writing.

NEW CARNATIONS strong from soil
Cressbrook, $1.50 per doz., $10 per 100, $75 per 1000.
Fair Maid, $2.00 per doz., $10 per 100, $75 per 1000.
CHRYSANTHEMUMS
Fine strong plants from 2½-inch pots, ready now. Price per 100:

T. Eaton	$4.00	R. Halliday	$4.00
Nellie Pockett	8.00	Major Bonnaffon	3.00
Lady Roberts	8.00	Philadelphia	5.00
Mrs. E. D. Smith	6.00	Pennsylvania	5.00
Golden Beauty	8.00	Modesto	3.00
Mrs. Chamberlain	8.00	Nagoya	3.00
Mme. F. Bergmann	3.00	M. de Montmort	3.00
Willowbrook	3.00	Glory of the Pacific	3.00
Merry Monarch	3.00	Lady Harriett	6.00
Polly Rose	3.00	Maud Dean	4.00
G. S. Kalb	3.00	Xeno	3.00
Ivory	3.00	Geo. W. Childs	4.00
Mrs. J. Jones	3.00	Intensity	4.00
H. A. Parr	3.00		

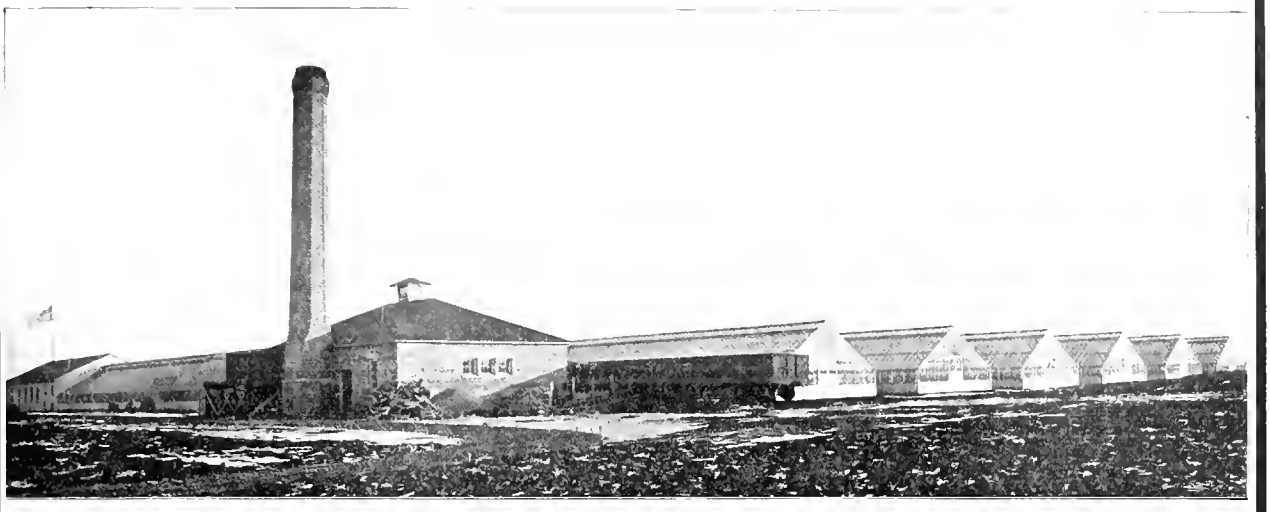
H. WEBER & SONS, Oakland, Md.

NOW COMPLETE IN FOUR VOLUMES.
Cyclopedia of American Horticulture
Comprising suggestions for cultivation of horticultural plants, descriptions of the species of fruits, vegetables, flowers, and ornamental plants sold in the United States and Canada, together with geographical and biographical sketches
By L. H. BAILEY,
Professor of Horticulture in Cornell University,
Assisted by WILHELM MILLER, Ph. D., Associate Editor.
and many expert Cultivators and Botanists.
IN FOUR VOLUMES,
Cloth, $20. Half Morocco, $32.
Illustrated with 2800 original engravings.
Cash with order.
AMERICAN FLORIST COMPANY,
324 Dearborn St, Chicago.

THE AMERICAN FLORIST'S
COLOR CHART
PRICE 15 CENTS POSTPAID.
AMERICAN FLORIST CO, 322 Dearborn St., Chicago

CARNATION BLOOMS.

We are to-day cutting the best Carnation blooms on the market.
Samples furnished free to those placing regular order.



THE FUTURE HOME OF ENCHANTRESS.

We are now booking orders for rooted cuttings of

ENCHANTRESS

All orders will be filled in strict rotation.

Since we purchased **Enchantress** we are offering the following varieties from 2 1-2 inch pots, which had been reserved for our own use.

	Per 100	Per 1000		Per 100	Per 1000
CRANE	$2.50	$20.00	GUARDIAN ANGEL	$3.00	$20.00
ROOSEVELT	6.00	50 00	NORWAY	6.00	50.00
LAWSON	4 50	40 00	STELLA, (Dorner)	12.00	100.00
MACEO	2.00	15.00	IRENE	4.00	
MARQUIS	3.00	25.00	ELDORADO	2.00	15.00
MORNING GLORY	3 00	25.00	VIOLA ALLEN, (Ward)	12.00	100.00

J. D. Thompson Carnation Co.

JOLIET, ILLINOIS.

MENTION THE AMERICAN FLORIST.

Syracuse, N. Y.

VISIT TO THE QUINLAN PLACE.—LARGEST IN CENTRAL NEW YORK.—GOOD STOCK FOR RETAIL.—MORRIS MAKES NEW WREATHS.—AT THE PARKS.—OTHER NOTES.

P. R. Quinlan & Company have thirty-one greenhouses that cover seven acres of ground on West Genesee street. The business was started in 1830, going through several hands to those of Smith & Powell, from whom P. R. Quinlan & Company purchased it. The plant is now the most extensive between New York and Buffalo. P. R. Quinlan being away most of the time on other business, the management of the greenhouses falls upon his brother, William Quinlan. Their florists are some of the best known in the country, among them being R. H. C. Bard, the rose grower. The company grows almost entirely for its own retail store, which is managed by W. S. Wheadon. The company has nine houses of roses, 18x125 feet, and nine houses of carnations, 15x125 feet. American Beauty is especially fine at present. Several houses are devoted to ornamental plants and ferns, and there are two houses of smilax. The house of asparagus is in especially good condition. This is the most popular green for weddings. The company has a quantity of orange plants which are in bloom and are in demand for weddings. The small stock all looks well.

Henry Morris has been making some new wreaths, having leucothœ on one side and lavender hyacinths on the other. For funeral work they are very popular. Mr. Morris has a window of genista, which is just coming in. He has a large space devoted to outdoor stock at his Elmwood greenhouses. He will have an excellent stock of pæonias, asters, Spanish and German irises and all hardy plants. Mr. Morris notes that his summer trade increases each year.

David Campbell, superintendent of the city parks, is planning extensive improvements this summer. The city parks have an area of 400 acres. A fine show of aquatic plants is to be made in Onondaga Park. The public greenhouses are located at Burnet Park. There are nearly 100,000 pots of bedding plants.

Thomas Bishop, formerly superintendent of parks, has been appointed assistant superintendent of Oakwood Cemetery, the largest and oldest cemetery in the city. A. J. B.

All The Best CARNATIONS

Cressbrook (pink), Oriole (scarlet), Mrs. Nelson (pink), $1.50 per doz.; $10 per 100.

Mrs. Palmer (scarlet), Mrs. Higinbotham (salmon pink), Alba (large white), Stella (variegated), Dorothy Whitney (yellow), Apollo (scarlet), $2.00 per doz.; $12.00 per 100.

	Per 100	Per 1000
Estelle, Best Scarlet	$5.00	$40.00
Norway, Large White	5.00	45.00
Prosperity, Fancy	6.00	45.00
Queen Louise, White	5.00	45.00
Dorothy, Productive Pink	5.00	45.00
Morning Glory, Lt. Pink	2.50	20.00
Marquis, Largest Pink	2.50	20.00

Fine stock of rooted cuttings of above and twenty-five other kinds. Get our prices on what you need.

GEO. HANCOCK & SON,
GRAND HAVEN, MICH.

CARNATION CUTTINGS

All the new and standard varieties, free from rust and all other diseases.
Our stock is in fine shape and all cuttings are well rooted when sent out.

	Per 100	Per 1000
HIGINBOTHAM	$12.00	$100.00
MRS. POTTER PALMER	12.00	100.00
PROSPERITY	4.00	30.00
NORWAY	5.00	40.00
IRENE	3.00	25.00
LAWSON	3.00	25.00
BON HOMME RICHARD	3.00	25.00
HOOSIER MAID	3.00	25.00
CRANE	1.25	10.00
THE MARQUIS	1.25	10.00
GENEVIEVE LORD	1.25	10.00
ARGYLE	1.00	7.50
GUARDIAN ANGEL	1.25	10.00
FRANCES JOOST	$1.00	$7.50
CERISE QUEEN	1.00	7.50
TRIUMPH	1.25	10.00
FLORA HILL	1.25	10.00
WHITE CLOUD	1.25	10.00
PERU	1.00	7.50
AMERICA	1.25	10.00
MRS. L. INE	1.50	12.50
MRS. BRADT	1.75	15.00
ARMAZINDY	1.25	10.00
EVANSTON	1.00	7.50
ESTELLE	5.00	40.00

ROSE PLANTS.

2½-in. pots.	Per 100	Per 1000
BRIDE	$3.00	$25.00
METEOR	3.00	25.00
PERLE	3.00	25.00
GOLDEN GATE	$3.00	$25.00
LIBERTY	12.00	100.00

All Plants and Rooted Cuttings sold under express conditions that if not satisfactory when received they are to be returned immediately, when money will be refunded.

Write for prices on large quantities.

Peter Reinberg, 51 Wabash Ave., Chicago

Rose Plants for Sale

GOOD CLEAN STOCK, WELL ESTABLISHED.

Brides, Bridesmaids, Meteors and Golden Gates, 2-in. rose pots, $30 per 1000; 3-in. rose pots, $45 per 1000; 4-in. rose pots, $60 per 1000.

CHRYSANTHEMUM ROOTED CUTTINGS.... TIMOTHY EATON, $3 per 100.

The following varieties at $1.50 per 100:

WHITE—Early.
Fitzwygram,
Knno,
White Glory of Pacific.

WHITE—Mid-season.
Ivory,
Snow Queen,
Evangeline,
Mrs. H. Robinson.

WHITE—Late.
Mrs. Jerome Jones.

YELLOW—Early.
Yellow Fitzwygram,
Marion Henderson.

YELLOW—Mid-season.
Bonnaffon,
Mrs. O. P. Bassett.

YELLOW—Late.
Yellow Jerome Jones.

RED.
Malcolm Lamond,
Intensity.

PINK—Early.
De Montmort,
J. K. Shaw,
Glory of Pacific.

PINK—Mid-season.
Xeno,
Viviand-Morel,
Pink Ivory.

PINK—Late.
Mrs. Murdock.

BRONZE.
Oakland.

Greenhouses, HINSDALE, ILL. BASSETT & WASHBURN, Store, 76 Wabash Ave., CHICAGO.

New Chrysanthemum "CREMO"

FIRST-CLASS CERTIFICATE FROM C. S. A.

The best early yellow Chrysanthemum to date; comes in with Glory of Pacific, from which it is a sport. A beautiful soft shade of yellow, the color being much more distinct than is usual with sports. It just fills a vacancy in yellow at that season.

PRICES FROM 2¼-INCH POTS.

35c each; $3.00 per dozen; $20.00 per 100.

McMILLAN & SONS, Hudson Heights, N. J.

A. W. SMITH'S MOON VINES,
IPOMOEA NOCTIFLORA.

Now ready. Earliest moon vine grown, flowers pure white, look like wax and large as a saucer. I have a full supply of these vines, which are ever in great demand. 2½-in. pots, $5.00; 4-in. pots ready May 1, from $8.00 to $10.00 per 100.

GODFREY ASCHMANN,
1012 ONTARIO ST. PHILADELPHIA.

SURPLUS
VINCA VARIEGATA VINES

400 4-inch pots, $8.00 per hundred.
(No other sizes.)

WM. A. CLARK & SON.
Cash or C. O. D. 44 Boyd St., Watertown, N. Y.

ROSES! ROSES!

We are headquarters for Roses. Our sales this year of rose plants will be upwards of 3,000,000, an easy amount to say, but not so easy to handle, get ready for sale and pack for shipment. We sell each year, more roses than any three firms in the world. Patrons who buy our roses, become permanent customers, for they grow and bloom. If you have never tried our stock, you had better begin now.

Roses from 2-inch pots, your selection of varieties for 50 cents per dozen; $2.50 per 100; and $22.50 per 1000. You can select 25 at hundred rates, or 250 at thousand rates. Our selection of varieties, $2.25 per 100, or $20 00 per 1000.

Augustine Halem
America
Aline Sisley
Andre Schwartz
Antoine Verdier
Anna Ollivier
Agrippina
Arch Duke Charles
Beauty of Stapleford
Bon Silene
Baltimore Belle
Barbou Job
Bridesmaid
Bougere
Christine de Noue
Crown Princess Victoria
Clothilde Soupert
Catherine Mermet
Cornelia Cook
Crimson Rambler
Celine Forestier
Claire Carnot
Caroline Marniesse
Cloth of Gold
Coquette de Lyon
Comtesse Riza du Parc
Climbing Meteor
" Malmaison
" Wootton
" Bridesmaid
" Marie Guillot
" Paul Neyron
Duchess de Brabaut
Duchess of Edinburgh
Dr. Grill
Devoniensis
Douglas
Enfant de Lyon
Empress of China
Empress Eugenie
Francis Dubreuil
General Tartas
Golden Chain
Gold of Ophir
Gardenia
Golden Gate
Gruss an Teplitz
Helene
Henry M. Stanley
Isabella Sprunt
J. B. Varrone
Jersey Beauty
James Sprunt
Jules Finger
La Princess Vera
La Sylphide
Louis Phillipe
Louis Richard
Lamarque
Mme. de Vatry
Mme. Hoste
Mme. Eli Lambert
Mme. Welche
Mme. H. Defresne
Mme. J. Schwartz
Mme. F. Kruger
Mme. Lambard
Mme. Margottin
Mme. C. Kuster
Mme. de St. Joseph
Monthly Cabbage
Mary Washington
Meteor
Mosella
Maid of Honor
Malmaison
Muriel Graham
Mrs. Robert Garrett
Mrs. Lovett
Marquise de Vivens
Monsieur Furtado
Media
Marie Guillot
Papa Gontier
Pink Soupert
Princess Sagan
President Carnot
Psyche
Pink Rambler
Queen's Scarlet
Queen of the Prairie
Rainbow
Russell's Cottage
Reine Marie Henriette
Snowflake
Safrano
Sombreuil
Striped La France
South Orange Perfection
Solfaterre
Sanguinea
Tennessee Belle
The Queen
The Bride
Triomphe de Pernet pere
Viscountess Folkstone
White Bon Silene
White La France
White Rambler
Wichuraiana
Yellow Rambler
Zelia Pradel

ROSES from 2 1-2-inch pots 50 cents per dozen; $3.00 per 100; or $25.00 per 1000.

Antoine Rivoire
Hermosa
Kaiserin A. Victoria
Mrs. Mawley
Maman Cochet
Pierre Guillot
Souv. de Mme. E. Couvin
Souv. de Wootton
White Maman Cochet
La France

NEW ROSES from 2 1-2-inch Pots.

	Doz.	100
Admiral Dewey	$ .60	$4.00
Bessie Brown	1.00	6.00
Climbing Soupert	.75	5.00
Gladys Harkness	.75	6 00
Helen Gould, new forcing rose	$ .60	$4.00
Lady Mary Cory	.60	4 00
Lady Clanmorris	.75	6.00
Meta	.60	6.00
Mme. E. Duranthon	$ .60	$4.00
Rosaman Gravaux	.60	5 00
Wichuraians, variegated foliage	.75	5.00

HYBRID PERPETUAL ROSES. Fine strong plants from 2 1-2-in. pots for 60c per Doz.; $3.00 per 100; $27.50 per 1000.

Ball of Snow
Coquette des Alpes
Duke of Edinburgh
Dinsmore
Francois Levet
General Jacqueminot
Gloire de Expo'n Brussels
La Reine
Lady Helen Stewart
Marchioness of Lorne
Mme. Alfred de Rougem't
Magna Charta
Mme. Chas. Wood
Mme. Masson, the best red Hybrid
Paul Neyron
Perfection des Blanches
Roger Lambelin
Triomphe des Beaux Arts

GENERAL COLLECTION OF PLANTS. Order Now before everything is sold. All plants from 2 1-2-inch pots, unless otherwise noted. All Fine Stock.

	Per Doz.	Per 100	Per 1000
Aloysia Citriodora (Lemon Verbena)	.30	$ 2.00	$18 00
Acalypha Sanderi	.50	3.00	
Asparagus Sprengeri, fine	.50	2.50	20.00
Asparagus Plumosus, extra fine	50	3 00	25.00
Araucaria Excelsa, 4 tiers, 16 in. high, ...each 75c		60.00	
Araucaria Excelsa, 5 tiers, 20 in. high, each $1.00	$9.00	70.00	
Azalea Mollis, 15 to 25 buds	2 50	16.00	
Ampelopsis Veitchi, 2½-inch pots	.50	3.00	
Ampelopsis Veitchi, field grown, 5 feet	1.50	11.00	
Abutilons, 10 best sorts	.40	2.00	18.00
Abutilon Souv. de Bonne	.50	3 00	25 00
Ageratum, Princess Pauline and White Cap	.35	2 50	20.00
Alyssum, Giant flowered, double	.30	2.00	15.00
Achillea The Pearl	.40	2 50	20.00
Apios Tuberosa	.30	2.00	
Anemone Whirlwind	.40	20.0	18 00
Anemone Queen Charlotte, new pink	.50	3 00	25.00
Amaryllis Formosissima	.75	5.00	
Begonias, flowering, 10 sorts	.40	2.50	20.00
Bougainvillea Gigantea, new extra	.50	2.50	20.00
Box, Ornamental, evergreen for borders	.30	2 00	15.00
Crotons	.60	4.00	
Clematis, large flowering, 2-year	3.50	25.00	
Camellia Japonica, fine plants, 18 in. to 2 feet	6.00	45.00	
Calla Richardia, Spotted Calla	.40	3.00	
Cyperus, Umbrella Plant	.30	3 00	20.00
Cyclamen Persicum Giganteum	.50	3.00	25 00
Coleus, best sorts	.30	2.00	
Caladium Esculentum, 3 inches in diameter	.50	3 00	
Caladium Esculentum, 4 to 5 inches in diameter	1.00	6.00	
Cannas, started, Austria	.30	2.00	15.00
Alphonse Bouvier	.50	3.00	
Alsace	.40	3.00	25 00
Burbank	.40	3.00	25 00
Chas. Henderson	.40	3.00	25 00
Florence Vaughan	.50	3.50	30.00
Italia	.30	2.00	15.00
Bronze Beauty	.30	2.00	15 00
Mlle. Berat	.50	3.00	25.00
Paul Marquant	.30	2.00	15.00
Cuphea Llavæ Tricolor	.40	2.50	
Cooperia Drummondii	.25	1.50	
Cactus, Queen of Night	.40	2.50	
Cinnamon Vine	.30	2.00	
Crinum, Milk and Wine Lily, fine bulbs	1.50	10.00	
Crinum, Milk and Wine Lily, extra large	2.50	15.00	
Dracæna Indivisa	.30	2.50	20.00
Daisies, Marguerite, white, yellow and blue	.40	3.00	25 00
Eulalia Gracillima	.40	2.50	
Ficus Elastica, 12 to 15 inches	4.00	25.00	
Ficus Elastica, 18 inches	5.00	30.00	
Ferns, Boston, fine plants	.40	2.50	22.50
" in lots of 5,000 or over			20 00
Pteris Tremula	.50	4.00	
Pteris Wimsetti, fine for dishes	.40	3.00	
Feverfew, Little Gem	.30	2.00	15.00
Fuchsias, leading sorts	$ .50	$ 3.00	
Geraniums, Apple Scented	.50	3 00	
Pelargoniums, or Lady Mary Washington, 12 best kinds	1.00	7.00	$65.00
Grevillea Robusta	.30	2.00	15.00
Gladioli, best mixture		1.25	10.00
Hibiscus, 10 best sorts	.40	3.00	25.00
Peachblow	.50	4.00	35 00
Heliotrope, 6 best sorts	.40	2.00	18.00
Hydrangea Otaksa	.50	3.00	25.00
Impatiens Sultani	.30	2.50	20.00
Honeysuckles	.40	3.00	25.00
Hoya Carnosa, 3-inch pots	.75	6.00	
Jasmines, 6 best kinds	.50	3.00	
Lilies, hardy, best kinds	1.00	7.00	
Lantanas, 10 best bloomers	.40	3.00	25.00
Lemon Ponderosa, a grand plant, 2½-inch pots	.60	5.00	40.00
3-inch pots, 12 inches high	1.25	8.00	
4-inch pots, strong	1.50	11.00	
5-inch pots, strong, 20 inches high	2.00	15.00	
8 inch pots, extra strong, 2½ to 3 feet high	6.00	40.00	
Linum Trigynum	.30	2.00	
Madeira Vine Tubers	.25	1.50	
Mahernia or Honey Bells	.30	2.00	
Matrimony Vine	.50	3.00	
Orange, Otaheite	.50	3.00	
Orange, Otaheite, strong plants	1.00	8 00	
Oleanders, 2 sorts, pink and yellow	.50	3.50	
Pæonias, best assortment	1.50	10.00	
Pinks, Hardy Scotch, best sorts	.40	3.00	25 00
Primula Forbesi, Baby Primrose	.40	2.50	20.00
Privet, California, 2 to 2½ feet	.50	3.50	
Plumbagos, Lady Larpent, hardy blue	.40	2.50	
Capensis Alba, white	.50	3.00	
Palms, young plants for growing on, 2½-in. pots			
Livistona Sinensis, dwarf Jap. palm	.40	2.50	
Phœnix Canariensis	.40	2.00	
Phœnix Reclinata	.50	3.00	
Seaforthia Elegans, 8 to 10 inches	.60	4 00	
Chamærops Excelsa	40	2.50	
Washingtonia Filifera	.40	2 50	20 00
Latania Borbonica	.40	2.50	20.00
Rudbeckia Golden Glow	.40	3.00	
Russelias, two new sorts	.40	2.50	20.00
Swainsonia, pink and white	.40	2.50	20.00
Smilax	.30	2.00	15.00
Spiræa Anthony Waterer, 2½-inch	.40	2 50	20.00
Spiræa Anthony Waterer, field grown	.60	4.00	35.00
Salvias, all colors	.40	2.50	20.00
Sanseviera Zeylanica	.40	2 50	20.00
Stephanotis Floribunda	.40	2 50	20.00
Vinca Major Variegata	.40	2 50	20 00
Tritoma, New Everblooming	.75	6.00	
Vinca Major Variegata, 3-inch, strong	1 00	6.50	
Violets, double, best sorts	.50	3.00	
Hardy Russian	.40	2.50	20.00

Our new trade list for April and May is now ready. Write for it.

THE GOOD & REESE CO., SPRINGFIELD, O.

The Largest Rose Growers in the World.

Pittsburg.

GOOD WEATHER BRINGS IMPROVEMENT IN TRADE.—OPERA MAKES SOCIAL ACTIVITY.—GOOD STOCK MUCH IN EVIDENCE.—CLUB HAS A SOCIAL.—PERSONAL MENTION.

Our wish for good weather has been gratified and its effect on business has been what we expected. Stock is scarce. White flowers especially are in demand. Funeral work is the dominant factor in this week's business. There has been a great run on violets this week, due to the appearance of the Metropolitan Opera Company. This same feature is the cause for many luncheons and dinners during the week. The quality of stock of all kinds is very fine. The excellent color of the roses and their fine stems give great satisfaction. Carnations are scarce, white particularly so. Breitenstein & Flemm last Tuesday showed a window of the different shades of pink carnations, which was very attractive.

The Pittsburg and Allegheny Florists' and Gardeners' Club held its monthly social meeting on Tuesday, April 15, at the new headquarters on Sixth avenue. The attendance was not as large as expected but those present had lots of fun.

Wm. Lauch, of Knoxville, and Fred. M. Bissner, of Garrick, are displaying some fine geraniums. Very few have come into the market as yet.

John M. Foss is delighted with his stock of hardy roses. He looks forward to a successful season in bedding plants.

Ben. L Elliott, of Cheswick, is having great success with his house of Lawson carnations.

George Elliott, of the Elliott nurseries, is doing a great business in his line.

E. L. M.

Providence, R. I.

THE RETAILERS DISCUSS METHODS OF MEETING DEPARTMENT STORE COMPETITION—VARIOUS NOTES.

The Florists' Club held an open meeting last week to consider the question of department store competition. A noticeable harmony of action was observed throughout the evening, and while all present could not conscientiously take sides against "outside competition," there was enough said and done to show that many had put on their "thinking caps" and would profit by the discussion. It is an old question but is provocative of much discussion, and when settled will be settled right.

J. H. Cushing will give the flower business his entire attention next season.

Business is satisfactory, stock being scarce, but enough to fill orders.

The old Edgewood greenhouses have been torn down.

M. M.

"Fumigation Methods"

BY PROF. JOHNSON.

Every Grower needs this book..... Price $1.00

AMERICAN FLORIST COMPANY,
324 Dearborn Street, ...CHICAGO.

Imported Bulbs for Florists' Forcing

Send Us Your List for Pricing.

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 Spiræa** are unexcelled.

Bulbs secured from us will be subject to careful inspection and approval on arrival, and if in any way unsatisfactory, will be made good at once.

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 shipments and large importations supply half our profits.

Write for Prices before closing any forcing stock orders.

VAUGHAN'S SEED STORE,
14 Barclay St., New York.
84-86 Randolph St., Chicago.

CRESSBROOK. The coming Pink Carnation for everybody to grow.

Baltimore, Feb. 21, 1901, it scored 94 Points, the highest of any seedling. Cressbrook has never shown disease of any kind and is an extra free bloomer. Size of flowers under ordinary culture, 3 to 3½ inches.

Orders will be delivered in rotation on and after Jan. 1, 1902, at the following prices:

12 plants	$ 1.50	250 plants	$25.00
25 plants	3.00	500 plants	37.50
50 plants	5.00	1000 plants	75.00
100 plants	10.00		

C. WARBURTON, FALL RIVER, MASS.

Cressbrook may be seen growing at

THE E. G. HILL CO'S., Richmond, Ind., and at WM. NICHOLSON'S, Framingham, Mass.

Carnation Cuttings...

Well rooted, from clean, healthy stock, cool grown.

	Per 100	Per 1000		Per 100	Per 1000
ROOSEVELT	$4.50	$40.00	EGYPT	$1.75	$15.00
PROSPERITY	3.50	30.00	GENEVIEVE LORD	1.25	10.00
NORWAY	3.50	30.00	WHITE CLOUD	1.25	10.00
LAWSON	3.50	30.00	TRIUMPH	1.25	10.00
LORNA	3.50	30.00	MME. CHAPMAN	1.25	9.00
MORNING GLORY	2.50	20.00	FLORA HILL	1.25	9.00
CRANE	1.50	12.50	PERU	1.25	9.00

VIOLETS—Imperial, Farquhar, Marie Louise, Lady Campbell and Swanley White. Write for prices on 2-in. pots. WE SOLICIT YOUR ORDERS AND WILL GUARANTEE SATISFACTION.

GRAND RAPIDS VIOLET CO., Grand Rapids, Mich.

SPECIALTIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery,
CHRYSANTHEMUMS,
SMILAX, VIOLETS.

In Best Varieties

Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.

BOBBINK & ATKINS,
Plant and Bulb Merchants,
RUTHERFORD, N. J.

CARNATIONS

Mrs. Frances Joost, Ethel Crocker, Lizzie McGowan, Mary Wood, Hoosier Maid, Wm. Scott, Crane, etc., in 2½-in., ready for field.
SMILAX, 2½ in., extra stock.
BOSTON FERNS, 2½, 3, 4, 5, 6, 7-in. Write

GEO. A. KUHL, Pekin, Ill.

FAXON'S "WHITE HOUSE" PANSIES.

The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.

In Trade Packets at $1.00 each.

M. B. FAXON,
Lock Box 1528. BOSTON, MASS.
Correspondence solicited.

Directory for 1902.

Price $2.00 Postpaid.

THE AMERICAN FLORIST COMpany's Trade Directory for 1902, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 418 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Private Gardeners, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information. Published by the

American Florist Co.

324 Dearborn St., Chicago, Ill., U. S. A.

Contains 418 Pages.

Now Ready

Toronto.

HORSE SHOW MAKES BUSINESS FOR LEADING DECORATORS.—CYMBIDIUMS SERVE FOR MANY JOBS.—VIOLET GROWER PROSPERS.—CLUB TO BE "AT HOME."

The horse show, which is a greater success each year, was instrumental in giving some of the florists the busiest week they have had lately. Many of the smaller stores report a poor week, but the many banquets and dinner parties used up quantities of good flowers, American Beauty, lily of the valley and violets being most asked for. Several orchid decorations were made, a lot of Cymbidium Lowianum having done service at four different dinners. When it gets down to this, that flowers can be used to good advantage three or four times over, they are certainly merchandise. Roses were never better than at present. They are also plentiful and were lowered to $8 per hundred this week. Carnations still experience a good demand and are consequently scarce. A few good Prosperity are around. Lily of the valley is scarce. Violets have seen their finish and sweet peas are very slow in coming in.

Wm. Fendley, of Brampton, was a visitor, who expressed himself well pleased with the past season. He is the leading violet grower in this vicinity and they did so well for him this season that he has purchased fourteen acres of ground adjoining his present property and is making preparations to put up several new houses at once.

Instead of the regular monthly meeting of the Florists' Club there will be an "at home" held in St. George's Hall on Monday, April 21. There will be a concert, after which will come dancing and refreshments. All members and friends are requested to try and make this evening a success. H. G. D.

DAVENPORT, IA.—In November, 1899, Chas. Dannacher sold out to Otto Klingbiel, taking notes for a portion of the purchase price. Now he seeks the appointment of a receiver, claiming that Mr. Klingbiel is preparing to build a place of his own and stock it out of the old property.

SPLENDID STOCK FOR EARLY PLANTING.....

3½-inch Bridesmaids, $5 00 per 100; $45.00 per 1,000. Brides and Maids, 2½-in., $3.00 per 100; $25.00 per 1000. Cash please.

ALBERT F. AMLING, Maywood, Ill.

ROSES

Brides and **Bridesmaids,** 2½-in. pots at $15 per 1000. Good clean stock and well rooted.

C. S. Foote, Downers Grove, Ill.

CARNATIONS

Rooted Cuttings of all the new 1902 and best standard varieties. Send for price list.

WILLIAM SWAYNE,
BOX 226. KENNETT SQUARE, PA.

GERANIUM DRYDEN

The finest bedder; silver medal at Buffalo last year. $6.00 per 100. 2½-inch pots; $3.00 per 100, rooted cuttings. Cash please.

Henry Eichholz, Waynesboro, Pa.

The New White

That is Hard to Beat. Rooted Cuttings from flets. A No. 1, stuff. Per 100, $4.50; per 1000, $40.00.

Vaughan's Seed Store, CHICAGO New York

CARNATIONS

Well Rooted and Healthy.

	Per 100	Per 1000
PROSPERITY, white overlaid with pink	$6.00	$50.00
GOV. ROOSEVELT, crimson	6.00	50.00
QUEEN LOUISE, white	4.00	40.00
BON HOMME RICHARD, white	4.00	30.00
IRENE, pink	4.00	30.00
TRIUMPH, pink	2.00	15.00
WHITE CLOUD, white	2.00	15.00
THOS. W. LAWSON, pink	4.00	35.00
MARQUIS, pink	2.50	20.00
G. H. CRANE, scarlet	2.00	15.00
AMERICA, scarlet	2.00	15.00
MRS. BRADT, variegated	2.50	20.00
GUARDIAN ANGEL	1.75	15.00

MICHAEL WINANDY,
DEVON AVE. AND NORTH ROBEY. **CHICAGO.**

WELL GROWN ROSES

Beautiful Young Stock, breaking at every eye. Will make Large Plants Early.....

	100	1000
Bridesmaids, Brides, 2x3 rose pots	$2.50	$22.50
Maids, Brides, Gates, rooted cuttings	1.50	12.00
Perle, rooted cuttings	2.00	15.00

All Select Two and Three-Eye Cuttings.

Carnations. Marquis, Jubilee, Flora Hill, $1.25 per 100; Scott, $1.

W. H. GULLETT & SONS, Lincoln, Ill.

WANTED 600 ROSES.

200 Brides, 200 Bridesmaids, 200 Perles. Must be first-class stock, free from all defects; from 2½-inch pots. State price. Address

OTTO BAUMANN, Manistee, Mich.

JOSEPH HEACOCK,
Wyncote, Pa., Grower of
Palms and Am. Beauty Roses.

KENNICOTT BROS. CO.

Violet plants: Lady Campbell, sand rooted cuttings, $8 per 1000. Lady Campbell, 2-in. pots, $25 per 1000. Swanley White, 2-in. pots, $30 per 1000. Write for prices on Carnation cuttings.

Dreer's Offer of Hardy Vines and Climbers.

AMPELOPSIS VEITCHII.

	Per doz.	Per 100
Strong 2-year old plants	$1.25	$10.00
Extra select, 2-year old plants	1.50	12.00

ARISTOLOCHIA SIPHO.

Strong long vines, extra heavy, per doz.....$3.00

CLEMATIS PANICULATA.

	Per doz.	Per 100.	Per 1000
Strong one year old	$ .75	$6.00	$50.00
" two "	1.00	8.00	70.00
" three "	2.00	15.00	

CLEMATIS LARGE FLOWERED VARIETIES.

Strong two-year old plants of the following popular sorts. Boskoop Seedling, Duchess of Edinburgh, Fairy Queen, Gypsy Queen, Henryi, Jackmani, M. Koster, Mme Baron Veillard, Mme Van Houtte, Miss Bateman, Standishi, The Gem and The President, $3.00 per doz.; $25.00 per 100.

HARDY ENGLISH IVIES.

An extra fine lot of bushy plants in 4-in. pots, 3 ft. high, 3 to 5 shoots, $1.25 per dozen; $10 per 100.

CLIMBING HYDRANGEA.

SCHIZOPHRAGMA HYDRANGEOIDES—A limited lot of extra strong plants established in tubs, 3 to 4 feet high, which will produce an immediate effect, $1.50 each.

WISTARIA SINENSIS.

Strong 3-year old plants, Blue, $3.00 per dozen; White, $3.50 per dozen.

A Few Leaders in

HARDY PERENNIALS.

For the most complete list and largest stock offered in this country, see our current Trade List. With few exceptions all the varieties offered below are suitable for cut-flower purposes.

	Per doz	Per 100
Anemone Japonica.....2¼-inch pots,	.75	$5.00
" " Alba 2¼ " "	.75	5.00
" Lady Ardilaun 2¼ " "	.75	5.00
" Whirlwind.....2¼ " "	.75	5.00
" Queen Charlotte 2¼ " "	.75	6.00
Asters, Hardy, 10 choice varieties, strong divisions	1.00	8.00
Boltonia Asteroides, strong plants	.75	6.00
Boltonia Latisquama, " "	.75	6.00
Caryopteris Mastacanthus, 3-in pots	.75	6.00
Chrysanthemum Hardy Pompon 2¼-inch pots	.50	3.00
Chrysanthemum Maximum Triumph, 3-inch pots	.75	6.00
Chrysanthemum Maximum Filiformis, 3-inch pots	.75	6.00
Clematis Davidiana, strong 1-year-old clumps	75	6.00
Clematis Recta, 2-year old plants	1.50	12.00
Coreopsis Lanceolata Grandiflora strong 3-inch pots	.60	4.00
Coreopsis Lanceolata Grandiflora large clumps	.75	6.00
Dictamnus Fraxinella, strong plants	1.00	8.00
" " Alba " "	1.25	10.00
Dielytra Spectabilis " roots	.75	6.00
Euphorbia Corollata	.60	4.00
Gaillardia Grandiflora, strong 3-in. pots	.75	6.00
" " " 4 "	1.00	8.00
Gypsophila Paniculata, strong 1-yr-old	.75	6.00
Helenium Autumnale Superba strong divisions	1.00	8.00
Helenium Grandicephalum Striatum strong divisions	.75	6.00
Helenium Hoopesi, strong divisions	1.00	8.00
" Pumilum.....3-in. pots	1.00	8.00
Helianthus Multiflorus flore pleno, 2¼-inch pots	.75	6.00
Helianthus Multiflorus Maximus, 2¼-inch pots	.75	6.00
Heliopsis Pitcherianus, strong divisions	.75	6.00
" Scaber Major " "	.75	6.00
Heuchera Sanguinea, 3-inch pots	1.00	8.00
Iris Kæmpferi, 25 choice named vars.	1.25	10.00
" Germanica 10 " " "	.75	6.00
Physostegia Virginica.....3-in. pots	.75	6.00
" " Alba " "	.75	6.00
Pyrethrum Uliginosum, strong plants	1.00	8.00
Primula Veris Superba " "	1.25	10.00
Rudbeckia Golden Glow strong division	.50	4.00
" Newmani " "	.75	6.00
" Purpurea " plants	1.00	8.00
" Subtomentosa " "	.75	6.00
" Triloba, 3-inch pots	.75	6.00
Salvia Azurea Grandiflora, strong plants	1.00	8.00
Scabiosa Caucasica.....strong plants	1.00	8.00
" " Alba " "	1.25	10.00
Stokesia Cyanea " "	1.25	10.00
Tritoma Pfitzeri " "	1.00	8.00
Veronica Longifolia Subsessilis 2¼-inch pots	.75	6.00

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

ROOTED CARNATION CUTTINGS.

Why not get the Best? They are the Cheapest.

You don't have to buy 200 to have 100 fit to plant out, when planting time comes. For every 100 we send, you have 101 when ready to plant. We have the finest and largest stock of NORWAY and ESTELLE in the country. Stock marked (*), now ready in flats. ☞ Send us a list of your wants for special prices on large lots.

	Per 100	Per 1000
*General Maceo	$1.75	$15.00
*Ethel Crocker	1.75	15.00
*G. H. Crane	2.50	20.00
*Genevieve Lord	2.00	15.00
*Marquis	2.00	17.50
*Mrs. G. M. Bradt	2.50	20.00
*Chicago	3.50	30.00
*Morning Glory	3.00	25.00
*Mrs. T. W. Lawson	5.00	40.00
*Queen Louise	5.00	45.00
*Norway	4.50	40.00
Prosperity	6.00	50.00
*Governor Roosevelt	6.00	50.00
*Estelle	6.00	50.00
*Cressbrook	10.00	75.00
Enquirer	12.00	100.00
*Mrs. Potter Palmer	12.00	100.00
*Mrs. Higinbotham	12.00	100.00

BOSTON FERNS.

In pans, grown the way you like them, full, bushy, compact stock, ready for your counter trade.

	Each	Doz.	100
12-inch pans	$4.00	$40.00	
10-inch pans	3.00	30.00	
9-inch pans	2.00	20.00	
8-inch pans	1.50	15.00	
7-inch pans	1.00	10.00	
6-inch pans	.75	8.00	$60.00
5-inch pans	.50	5.00	40.00
4-inch pots		2.50	20.00
3-inch pots		1.50	10.00
2½-inch pots		.60	5.00

Started Plants of Cannas,

a full line of all the leaders. Write for prices.

ASPARAGUS PLUMOSUS NANUS.

Fine bushy stock in large quantity.

	Doz.	100	1000
5-inch pots	$4.00	$30.00	
4-inch pots	2.00	15.00	
3-inch pots	1.00	8.00	$70.00
2½-inch pots	.60	5.00	40.00

ARAUCARIA EXCELSA. A Big Bargain.

5-inch pots, 18 to 20 inches high, 4 to 6 whorls, each, 75c; dozen, $9.00.

FICUS ELASTICA (Rubber Plant).

7-inch pots, 36 inches high, very fine stock, $9.00 per dozen.

PHŒNIX CANARIENSIS.

Fine bushy plants, 8-inch pots, 36 inches high, each, $2.50; dozen, $24.00.

GREENHOUSES: WESTERN SPRINGS, ILL.

VAUGHAN'S SEED STORE,

84-86 RANDOLPH ST., CHICAGO.
14 BARCLAY ST., NEW YORK.

CROWDED FOR ROOM?

You want to buy Roses now, but are crowded for room. Why not place your order now with **Geo. A. Kuhl** and have them grown into 3-in. for May or June delivery. We believe in shifting Young Roses often. All stock offered in 2½-in. has been shifted from 2-in. and is equal to most stock advertised as 3-in., and when we send it out is well established. Our varieties, Meteors, Brides, Maids, Perles, La France, Kaiserin, Wootton, Belle Siebrecht, Pres. Carnot, Golden Gate, Am. Beauties, and Liberty. Write us at **Pekin, Ill.**

Roses Brides, Maids and Golden Gates. 2½-inch stock in fine condition. $2.25 per 100; $18 per 1000. Ready for delivery.

West View Floral Co., Knightstown, Ind.

Please mention the American Florist when writing.

Carnation Floriana

We believe this to be the best pink carnation introduced to date, was disseminated in the spring of 1901 by originators, Messrs. Fillow & Banks. Price, $6.00 per 100; $50.00 per 1000. 50 at 100 rate, 500 at 1000 rate. Less than 50, 8c each.

DAILLEDOUZE BROS. Carnation and Chrysanthemum Specialists, **FLATBUSH, BROOKLYN, N.Y.**

Please mention the American Florist when writing.

San Francisco.

GROWERS HOLD AN ENTERTAINING SESSION.—ESSAYS ARE INTERESTING.—INDEPENDENT MID-SUMMER SHOW PLANNED.—BUSINESS HOLDS FAIRLY ACTIVE.—AN ADDITION.

The Pacific Coast Horticultural Society held a very interesting meeting on the evening of April 5, there being fifty-five members present. A paper was read by John Atkinson, on conifers and their uses in this section. This was the second essay presented before the club, the first, on growing carnations for the San Francisco market, having been read at a previous session by C. H. Fick. Both papers were well received and will be followed by others. The committee on flower show reported that negotiations with the State Floral Society are off and was authorized to proceed with an independent show for August. Four new members were proposed and songs and story telling followed adjournment.

Business since Easter is keeping up pretty well and stock is just equal to the demand. The prices are still up on carnations but roses have experienced a little drop and lilies are down to from $1.50 to $2.50 per dozen stalks. Some outdoor sweet peas are making their appearance and bring $3 per dozen bunches of fifty. Violets are getting scarcer and another week will very likely see the last of them for this season.

H. Plath has invested in more land adjoining his already extensive nursery, on which will be erected four new houses 25x100 to be stocked with smilax, asparagus, ferns and palms.

Among recent visitors was C. W. Scott, of Vaughan's, Chicago.

GOLDEN GATE.

Washington, D. C.

Trade has been fairly good since Easter and most of the florists are busy with decorations for weddings and receptions and with funeral work. Stock is quite plentiful in general. The violet supply has been a little ahead of the demand, but they are looking fine for this season. Roses are in excellent condition. Carnations are not enough for the demand. The weather is cool and is retarding outdoor work. P. G.

SANTA ANA, CAL.—P. H. Dorsett, of the U. S. Department of Agriculture, has removed from Garrett Park, Md., and will reside here permanently.

THE GRANDEST NEW FORCING ROSE

Souvenir de Pierre Notting

The Best, The Finest, The Most Free Blooming of all Forcing ROSES, color deep yellow; will be distributed for the first time April, 1902

BY THE RAISERS

SOUPERT & NOTTING,

ROSE GROWERS,

LUXEMBOURG, (Europe).

Net price, $80.00 per 100; $1.00 each. Write for lithographs.

The Sensational New Rose for 1902.

MRS. OLIVER AMES.

For description, prices, etc., see Trade List.

Henry A. Trask, Editor of "North American," says in a letter dated Feb. 19th, 1902. The box of roses arrived safely last Saturday afternoon. Please accept my thanks. To my mind they are the realization of the ideal. Yours very truly, H. A. TRASK, Editor.

$100.00 IS OFFERED IN PRIZES for Cut Flowers of this Rose at Madison Square Show next fall.

CHRYSANTHEMUMS Some new European varieties of sterling merit, the stock of which we control for the American Market, and also all the cream of last year's new European varieties, and all the New American varieties of this season's introduction; for those contemplating growing for the shows next fall the above will prove winners.

CARNATIONS All the New and Standard Varieties. My catalogue describing the above will be mailed to those not having received it, by sending a postal card to

JOHN N. MAY, Summit, N. J.

ROSES DORMANT, Own Roots, Field Grown, Two years old. Our own growing. Best Hybrid Perpetuals. Crimson Ramblers and Mosses. No. 1, $8; No. 1½, $6; No. 2, $3.50.

GOOD CONDITION GUARANTEED. WRITE FOR PRICE LIST.

W. F. HEIKES, Manager, 3019 NORTH BROADWAY, ST. LOUIS, MO.

Ivory

or White Golden Gate.

Guaranteed TRUE STOCK

Strong plants out of 2-in. pots.

$6.00 PER 100.
27.50 PER 500.
50.00 PER 1000.

W. A. Hammond

107 E. Broad St., Richmond, Va.

Boston Ferns

Fine, strong, young plants, $3.00 per 100; $27.50 per 1000.

Edwin Lonsdale, Wyndmoor, Cheatnut Hill, Pa.

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We sell Electros of the fine illustrations used in the AMERICAN FLORIST at 15 cts. per square inch. Send list of your needs to.....

THE AMERICAN FLORIST CO.

BEDDING Plants.

	Per 100	Per 1000
Roses, Brides and Maids, 2-in	$2.00	$18.00
Geraniums, best var., 3 and 4-in	$3.50 to $7	
Dracæna Indivisa, 5-in	10.00	
Heliotrope, 2-in	2.00	18.00
Petunia, large dbl. flowers, 2-in	2.00	18.00
Lobelia, C. P. C. and White Gem, 2-in.	1.50	
Alyssum, 2-in	1.50	
Verbena, best strain, 2-in	1.50	
Salvia Splendens and Bonfire, 2-in	2.00	16.00
Smilax, from flats, 25c; by mail	.30	
Asters, best strains, strong transplanted	.50	

CASH OR C. O. D.

McALLISTER & CO., Batavia, Ill.

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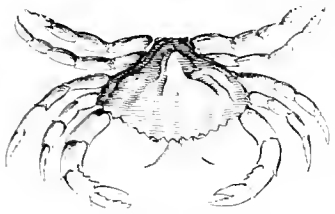

He is slow and moves sideways. But step up lively to the front, man-fashion, and get your spring stock at a price that will make you happy. We are at the old auction stand **54 DEY ST., NEW YORK,** every Tuesday and Friday at 11 A. M. and there we stay till every plant is sold. Great variety in trees, shrubs, palms and bedding plants.

Wm. Elliott & Sons.

...LOOK...

Over this list of items and send us 50c or $1.00 for samples of what you may want.

GERANIUMS { Red, White, Pink, Salmon, Ivy, Rose, Pelargonium, Mme. Sailerol.

SMILAX, fine, 2-inch.
SWEET ALYSSUM, Dwarf and Large.
FEVERFEW. SALVIA.
AGERATUM. VINCAS.
ENGLISH IVY. FUCHSIAS.
SALVIA. LANTANAS. HIBISCUS.
MARGUERITES. MOONVINES, etc.
PETUNIAS. BEGONIAS. PANSIES.
Etc., Etc. Write.

GEO. A. KUHL, Pekin, Ill.

California Carnations.

Our cuttings are rooted without fire heat and are strong, hardy and well rooted. They are so far superior in every way to cuttings rooted by fire heat that they should not be mentioned in the same connection. We guarantee safe arrival and satisfaction.

	Per 100	Per 1000
QUEEN LOUISE, white	$4.00	$30.00
MERMAID, fine salmon pink	3.00	20.00
G. H. CRANE, scarlet	1.50	12.00
MRS. F. JOOST, fine pink	1.00	8.00

Giant of California Pansy Plants, 50c per 100; $2.50 per 1,000. Giant of California, transplanted plants, $5 per 1000—100 sent at 1000 rates.

TERMS CASH WITH ORDER.

THE LOOMIS FLORAL CO.,
LOOMIS, CALIFORNIA.

What You want and where to Get it.

BRIDE and BRIDESMAID ROSES, 2¼-in. pots, extra fine, ready for 3-in., $3.25 per 100; $30 per 1000.
Dbl Grant, S. A. Nutt, Murkland and dbl. deep pink Geraniums, 3-in. pots, $5.00 per 100.
AGERATUM, German Ivy, Golden Bedder and assorted Coleus, 2-in. pots, $1.50 per 100.
ALTERNANTHERA, 2 varieties, (red and yellow), 2-in. pots, $1.50 per 100.
VINCA VARIEGATA, 2-in., $2.00 per 100.
Rooted cuttings, **ALTERNANTHERA,** 55c per 100; $5 per 1000. Golden Bedder, Verschaffeltii, Coleus, 60c per 100. Assorted Coleus, 55c per 100.
Case with Order.

R. I. HART, HACKETTSTOWN, N. J.

Dracaena Indivisa, 4-in. $10; 5-in....$15.00

	Per 100
Vincas, 5-inch	10.00
Geraniums, mixed.....4-inch $5.00; 3-inch	3.00
Salvias.....4-inch $5.00; 3-inch	3.00
Begonias, Flowering, 3-inch	3.00
" Rex	6.00
Sweet Alyssum, 2½-inch	2.00
Saxifraga, 3-inch	3.00
Cannas, 4-inch	5.00
" 3-inch	3.00
Pansies, fine, in bloom	2.00
" " "	1.00
Bellis Perennis	1.00
Spotted Calla, 5-inch	20.00

J. S. BLOOM, Riegelsville, Pa.

ROBT. CRAIG & SON,
Roses, Palms
and Novelties in Decorative Plants,
Market and 49th Sts., Philadelphia, Pa.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

CASSIA FALCATA

Not a new plant, but a good rare old one. Blooming equally profuse, it is a good companion plant for Salvia Splendens; color lemon yellow; extra fine for Park or Garden decoration. Can be kept over winter in cool cellar.

$1.50 per doz. $10 per 100.

J. T. TEMPLE, DAVENPORT, IA.

PALMS.

HOME-GROWN, FINE, CLEAN STOCK; GROWN COOL.

Write for Price List. **J. B. HEISS,**
The Exotic Nurseries, **DAYTON, OHIO.**

ASPARAGUS SPRENGERI, 3-inch, $3.25 per 100. Good stock.
DRACÆNA INDIVISA, 2¼-inch, $2.25 per 100. Good stock.
VINCA VARIEGATA, 2¼-inch, $3.00 per 100. Good stock.
VINCA GREEN, 2¼-inch, $3.00 per 100. Good stock.

HULL FLORAL CO., MORRIS, ILL.

Orders booked now for my new Fern, **"NEPHROLEPIS FOSTERIANNA,"**

Anna Foster.

Kentias, any quantity, 6-in., 30-in., $1.00 each. R. C. Coleus, mixed, 50 cents per 100; Verschaffeltii, G. Bedder, 75 cents per 100. Dracæna Indivisa, 6-in., $50.00 per 100. Geraniums in bloom for Easter.

L. H. FOSTER, 45 King St., Dorchester, Mass.

Please mention the American Florist when writing.

BEGONIA GLOIRE DE LORRAINE,

2¼-inch pots, $15.00 per 100.

Write for prices on large lots. Stock guaranteed absolutely free from disease.

THOMAS ROLAND, Nahant, Mass.

500,000 VERBENAS.

60 finest named varieties, including our **NEW MAMMOTH WHITE, "MRS. McKINLEY."** The finest white verbena grown; perfectly healthy; free from disease. Rooted cuttings, 60c per 100; $5.00 per 1000. Plants, $2.50 per 100; $20.00 per 1000. Our list is the choice of millions of seedlings. Send for circular.

J. L. DILLON, BLOOMSBURG, PA.

ROSES

Crimson Rambler, Climbing Clothilde Soupert.

Ramblers, 3 to 4½ ft., well branched...$10 per 100
" 2½ to 3 ft., " " ... 8 per 100
" 1½ to 2½ ft., " " ... 6 per 100
Soupert, strong field-grown plants..... 15 per 100

The Conard & Jones Co, West Grove, Pa.

Please mention the American Florist when writing.

CARNATIONS

ROOTED CUTTINGS. Strong Healthy Stock.

The following at $12.00 per 100; $100.00 per 1000: Viola Allen, Stella, Alba, Jos. H. Manley, Mrs. Potter Palmer, Apollo, Harry Fenn, Dorothy Whitney.

The following at $10.00 per 100; $75.00 per 1000: Golden Beauty, Challenger; Mrs E. A. Nelson, Cressbrook, Gaiety.

The following at $6.00 per 100; $50.00 per 1000: Gov. Roosevelt, Prosperity, Lorna, Norway.

Queen Louise, $5 per 100; $40 per 1000.
Mrs. Lawson, $4.50 per 100; $40 per 1000.
Morning Glory and Mrs. G. M. Bradt, $3.00 per 100; $25.00 per 1000.
Lizzie McGowan and Wm. Scott, $1.50 per 100; $12.00 per 1000.

THE COTTAGE GARDENS,
QUEENS, L. I., N. Y.

Cyclamen Giganteum

Extra strong July Seedlings in separate colors:
2½-inch pots, $4.00 per 100
3-inch pots, 8.00 per 100
4-inch pots, 12.00 per 100

LEHNIG & WINNEFELD,
HACKENSACK, N. J.

Mitting Floral Co.

LOOMIS, CAL.

Wholesale Florists.

TO MAKE ROOM I OFFER

150	Kentia Belmoreana, 2¼-in.	$5.00 per 100
400	" " 3-in.	10.00 per 100
200	" " 4-in., 2d size	15.00 per 100
100	Latania Borbonica, 3-in.	5.00 per 100
100	Pandanus Utilis, 2¼-in.	4.00 per 100
75	" " 3-in.	8.00 per 100
400	Selaginella Emmeliana, 2¼-in.	3.00 per 100

All healthy stock. Cash with order.

JOSEPH E. BONSALL, SALEM, OHIO.

Please mention the American Florist when writing.

Down "Injeanny" Way.

The first "boomers" to arrive for the Indiana republican state convention came from New Castle yesterday, says the Indianapolis *Journal*, and they are here in the interests of Thomas B. Millikan, candidate for state treasurer. The delegation is headed by Myer Heller, president of the South Park Floral Company, of New Castle. The delegation brought with it a vase of magnificent American Beauty roses, which President Heller presented to the Columbia Club. The vase occupies a prominent place in the office of the club. "These are a Millikan offering," remarked Mr. Heller, pointing to the dozens of red beauties. The roses hang from five-foot stems and the odor from them gives the office a most delightful perfume. It seems that the soil in and about New Castle is particularly adapted to the growth of roses. "We have got six acres of roses," said Mr. Heller, "and 75,000 growing plants. Forty-five thousand of these are American Beauties. We clip perhaps 10,000 roses each day." The roses presented the Columbia Club are a duplicate of the bunch that drew the first prize at the Kansas City flower show some months ago, which was a national affair. Mr. Heller started a modest little conservatory at New Castle seven years ago, and since then three other floral firms have come down from Chicago and settled there. Mr. Heller is just now experimenting with a yellow rose, which he thinks will be perfect. "Did you ever realize," he said, "how few real yellow roses can be found?" Heller is looking about for a name for his new rose, which he says will be as grand as the American Beauty in its general formation. He will be pleased if some one will suggest a suitable name for the rose. The name American Lady has already been suggested, but the company has not yet decided to adopt it. Some one suggested the American Queen, having in mind Charles Dana Gibson's picture of the American society girl, but Mr. Heller says there is already a rose of that name.

DORSETT'S SINGLE VIOLET

See American Florist, March 29, page 361.

For texture, quality and stability of the leaf, for bunching flowers this violet is unequaled. The flowers are medium size, of a rich dark violet color, and have a delightful delicate odor. The plants are vigorous, and under normal conditions are disease resistant. With good treatment will guarantee 98 per cent of stock to grow.

Having purchased the greenhouses and stock of Mr. P. H. Dorsett at Garrett Park, Maryland, I am prepared to furnish rooted crowns, for immediate delivery, at $5.00 per 100, or $40.00 per 1000. Sand-rooted cuttings, for delivery after May 1, $6.00 per 100, $45.00 per 1000; 2¼-inch pots, after May 1, $7.00 per 100.

DAVID BISSET, GARRETT PARK, MD.

PANSIES

The Jennings Strain.

Fine cold frame plants in bud and bloom, $1.50 per 100; $7.50 per 500. Cash with order.

E. B. JENNINGS, Lock Box 254, Southport, Conn.
Grower of the Finest Pansies.

Violets My Specialty

Good strong rooted runners of Princess of Wales and La France at $3 per 1000; $25 per 10,000; now ready. Also Tree Violets in 2½-in. pots and 8 to 12 inches high, ready May 1st, at $5 per 100. Orders booked now. Cash with order.

FD. BOULON, SEA CLIFF, L.I.

Geraniums, Carnations, Palms, Etc.

	Per 100
CARNATIONS, 2¼-in. pot plants.	
Marquis	$3.00
Ethel Crocker	2.50
California Gold	2.50
Crane	2.00
Joost	2.00
Mary Wood	2.50
White Cloud	2.00
GERANIUMS, S. A. Nutt, Mme. Barney, Richelieu, La Favorite, John Doyle, Mme. Charles Molin and Beaute Poitevine, $30.00 per 1000	
Jean Viaud	5.00
Marquis de Castellaine	6.00
Set of 4 New Bruants for	.60
Set of 8 New Doubles for	1.50
In good assortment, our choice of varieties, $27.50 per 1000	
ROSE GERANIUMS, strong	2.50
CANNAS, all the standard varieties, strong roots	2.50
PRIMULA FORBESI	3.00
HELIOTROPES, six varieties	2.00
SELAGINELLA Emiliana	2.00

	Per 100
FUCHSIAS, in good assortment of varieties, 2½-in. pots	$2.50
Areca Lutescens, 2½-in. pots, $30.00 per 1000	4.00
Areca Lutescens, 3-in. pots	8.00
Areca Lutescens, 4-in. pots., 3 plants in a pot	20.00
Kentia Belmoreana, 2½-in. pots	7.00
Kentia Belmoreana, 3-in. pots	15.00
Latania Borbonica, 2½-in. pots	3.00
Latania Borbonica, 3-in. pot, $40 per 1000	5.00
Pandanus Utilis, 2½-in. pots	5.00
Pandanus Utilis, 4-in. pots	15.00
Pandanus Veitchii, 4-in. pots, $6.00 per doz.	
ASPARAGUS PLUMOSUS, 2½-in.	4.00
ASPARAGUS SPRENGERI, strong, 2½-in.	2.00
ASPARAGUS SPRENGERI, strong, 3-in.	3.00
SPIRAEAS, Nana Compacta, Astilboides, Floribunda and Japonica at	3.50
AZALEA MOLLIS, fine for Easter	35.00
TUBEROUS ROOTED BEGONIAS, single, separate colors	3.00
TUBEROUS ROOTED BEGONIAS, double, separate colors	6.00
GLOXINIAS	4.00

The Storrs & Harrison Co.

PAINESVILLE, OHIO.

100,000 GIANT PANSIES

Best strain, strong plants, all transplanted and grown cool, 50c per 100; $4.00 per 1000. Express prepaid

ASTERS, Hohenzollern, pure white, delicate rose and red (Roemer's), last year novelty, grandest aster to date. Mammoth size, 7 inches across, double to center, resembling a large Japanese chrysanthemum, unsurpassed for cutting or bedding, plants branching, with strong stems 18 to 20 inches long, 75c per 100; $6.00 per 1000.

Queen of the Market, white, red, pink and mixed.

Florists' Upright Branching, outer petals recurved, center petals incurved, superb cut flower, pure white, daybreak pink, fiery scarlet and lavender.

Late Branching or Semple's, white, rose pink, lavender, red and mixed.

All the above are the best money makers for florists, strong, healthy plants, assorted to suit, 50c per 100, $4.00 per 1000. Express prepaid for cash with order.

DES MOINES PLANT CO.,
38th St., Des Moines, Iowa.

FERNS For Spring Potting.

100,000 Choicest Ferns, strong, in flats, at 1c; $10 per 1000 by express, in ten sorts; sample 100 mailed for $1.25. Safe arrival guaranteed. Have sent every year, for several years, to California, Canada and all other states in perfect condition. Plants fill a 2½-inch pot at once. Adiantum Pubescens, Pteris, Nephrodium, Lomaria, Lygodium, Polystichum, Anemia, etc., etc. Also same sorts in 2½-inch pots, fit to shift on, $3 per 100; $25 per 1000. **Boston Fern,** strong 2½ inch, $3 per 100; $25 per 1000. **Nephrolepis Philippensis,** 2½-in. $3 per 100. **Clematis Paniculata,** seedlings, 100 mailed $1; $5 per 1000 by express.

JOHN H. LEY, Good Hope, Washington, D. C.

VIOLET Plants

5000 Marie Louise, good healthy stock, price $1.25 per 100; $10.00 per 1000.

Cauliflower Dwarf Erfurt,

Transplanted from flats, 75c per 100.
CASH WITH ORDER.

A. R. KNOWLES, Bloomington, Ill.

Alternantheras P. MAJOR and A. NANA....

Strong rooted cuttings, 50 cts. per 100, or $1.00 per 1000. From 2-inch pots, $1.50 per 100

DAVIS BROS., MORRISON, ILL.

Please mention the American Florist when writing

ELEGANT PLANTING MATERIAL

A Bargain For all Comers.

Dutch Nursery Stock, Roses, etc., Rhododendrons, Palms, Bedding Plants in bewildering Variety, at the sign of the red flag,

60 Vesey St. New York.

Cleary & Co.

Horticultural Auctioneers.

FERNS.

Mixed varieties, strong stock and good assortment, in 2-inch pots, $3.50 per 100; $30.00 per 1000.

BEARD BROS., West Fort Street, ...DETROIT, MICH.

Please mention the American Florist when writing.

GERANIUMS and All Kinds of BEDDING PLANTS

AT PRICES THAT ARE RIGHT.

Send for revised price list. All stock can be shipped on receipt of order. **Long Distance Telephone.**

GREENE & UNDERHILL, WATERTOWN, N. Y.

SPECIAL TRADE LIST FOR THE MONTH OF APRIL.....

Asparagus Comorensis. This new variety grows faster than Plumosus and makes strings in half the time, foliage more graceful and lighter in color, 2-in. 35c. doz.; $3 per 100.

Size of pots.	Per doz.	100
Asparagus Plumosus.....2	$ .35	$3.00
Asparagus Sprengeri.....2	.25	2.00
Ageratum, dark and light blue....3	.50	4 00
Abutilon Savitzii.....3	1.00	7.00
Bouvardias, single and double, white, pink, scarlet.....2	.35	2.50
Bouvardia Humboldtii, jasmine flowering, sweet scented.....2	.40	3.00
Carnations, McGowan, Flora Hill, Crocker.....2½	.40	3.00
Chrysanthemums, best stand. var. 2½	.40	3.00
Cuphea Platycentra.....2½	.40	3.00
Clematis, large flowering varieties, strong plants.....	4.00	
Clematis Paniculata, strong plants 4	1.50	10.00
Clematis Paniculata, strong plants 3	.75	5.00
Cobæa Scandens.....3	.50	4 00
Dracæna Sanderiana.....3	2 00	
Dracæna Indivisa.....5	3.00	
Dracæna Seedlings from flats.....		1.00
Echeveria Glauca strong plants...4	1.00	7.00
Echeveria Secunda Glauca, flats...		3.00
Feverfew, Little Gem.....2½		3 00
Geraniums, best bedding varieties 3	.50	4.00
Geraniums, Mrs. Parker.....2½	.75	5.00
Geraniums, Mme Salleroi.....2½	.35	3.00
Glechoma, variegated German Ivy 2½	.35	3.00
Hydrangea, Thos. Hogg.....2½	.50	4 00
Ivy, hardy English strong plants..4	1.50	10 00
Ivy, hardy English.....3	.75	5.00
Lobelias, Emperor William, Pumila splendens and pure white.....2½	.35	3 00
Lantana, Le Naine, best dwarf var. 2½	.35	3.00
Petunia, double white.....2½	.35	3 00
Umbrella Plants 3	.75	5.00
Violets, the California, La France and Princess of Wales.....	.35	3.00
Vincas, variegated strong plants 4	1 00	7.00
Aster Plants, Queen of the Market, Semple's, from flats.....		1.00
Chrysanthemums, R. C., from soil..		1.50

C. EISELE, 11th and Jefferson Sts., Philadelphia, Pa.

Dahlias

Mrs. Winters

THE WORLD'S BEST WHITE DAHLIA.

Novelties and Standard varieties. 18 yrs'. experience and have failed of no prize competed for.

See my catalogue before placing your order. Also fine field-grown Hollyhocks at $2.50 per 100. Cannas, Pæonias and Hardy Plants. Cheap mixtures are dear; get the best.

W. W. WILMORE, The Dahlia Specialist, Box 382, DENVER, COLO.

GIANT SWEET

ALYSSUM

$1 per 100; $8 per 1000.

ASTERS,

Vick's best, separate colors, great big strong plants from soil, 60c per 100; $5.00 per 1000.

CANDYTUFT,

from soil, 50c per 100; $4 00 per 1000. Express paid.

C. Humfeld, Clay Center, Kas.

CANNAS Burbank, Henderson, Mme. Crozy, F. Vaughan, P. Marquant, L. E. Bally, A. Bouvier, J. C. Vaughan, Egandale, Souv. de Antoine Crozy in variety, started, $2 50 per 100.

ALTERNANTHERAS P. Major, red, R C., 60c, postpaid. Pot plants, red, yellow, pink, $2.00 per 100.

BOSTON FERN 2½-inch, 3c; 3-inch, 8c; 8-inch, $1 00.

Begonias, flowering, in variety, 2½-in., 2½c.

Russelia Multiflora and Elegantissima 2½-in. 4c.

Vinca Major, strong, fine runners, 2-in., 3c. Cash.

A. J. BALDWIN, NEWARK, OHIO.

Please mention the American Florist when writing.

SEASONABLE STOCK.

GERANIUMS.

Jean Viand, Mme. Landry, Mme. Charlotte and Hubert Charron, $5 per 100. Marvel, Duc de Montemart, La Favorite, Wm. Pfitzer, Conntess de Castiers and Mars, $3.00 per 100.

BEGONIA

Rex, a large collection of salable varieties from 2½ and 3-inch pots.

PELARGONIUMS.

Strong stock from 2½ and 3-inch pots, in bud and bloom, W. C. Boyes, Euclid, Bridegroom, Crimson King, Evening Star, Innocence, Joseph Leigh, Linda, Mrs. O. W. Childs and Prince George, $12 per 100. Mme. Thibaut, Robt. Green, Sandiford's Best, Sandiford's Wonder and Victor, $8 per 100.

FEVERFEW

Matricaria, $2.50 per 100.

PHALARIS ARUNDINACEA VAR.

One of the most suitable plants for bordering Canna Beds, $4 per 100.

RUDBECKIA

Golden Glow, 2-inch pots, $2 50 per 100. Newmanii, 2-inch pots, $3 00 per 100.

HELIANTHUS

Multiflorus Plenus, double, 2-inch pots, $2 50 per 100. Multiflorus Plenus, single, 2-inch pots, $2.50 per 100. Rigidus, $3.00 per 100.

NEPHROLEPIS

Cordata Compacta and Nephrolepis Cordifolia. This is exceptionally strong 3-in. pot stock, and a bargain, $4 per 100.

RAMBLER ROSES.

2-yr.-old extra strong, 8c each. 75 yellow, 75 pink and 75 white.

NATHAN SMITH & SON, ADRIAN, MICH.

With Leaves On...

JAPANESE FERN BALLS.

We have an immense stock of Fern Balls, well furnished with leaves, at $5.00 per dozen. Culls from $3.00 per dozen, up.

The Geo. Wittbold Co., Chicago, Ill.

COLEUS In 20 best varieties 2-in., per 100, $2; per 1000, $18. Rooted Cuttings per 100, 60c; per 1000, $5. If by mail add 10c per 100.

NEPHROLEPIS WITTBOLDII.

Rooted Runners, per dozen.....$1.00
3-inch pots, strong, per dozen..... 2.00
Large Plants from Bench, ready for 7-inch pots, each 1 00
Latania Borbonica Palms, 2-inch, ready for 3-inch, 100, $3.00; per 1000.....25.00
Grevillea Robusta, 3-inch, per 100..... 5.00
Heliotrope in variety, named, per 100..... 2.00
Umbrella Plants, 2-inch, per 100..... 2 00
Chrysanthemums, Major Bonnaffon, 2-inch, per 100..... 2.00
Ageratum, White Cap, 2-inch, per 100..... 2.00
Alyssum, double, 2-inch, per 100..... 2.00
Begonia, Albo Picta, (good for baskets or vases) 2-inch, per 100, $3.00; 3-in. per 100, 5.00
Lobelia, 2 inch, per 100..... 2.00

CANNAS, a large stock of rooted tubers ready for pots. Send for list and prices. Cash or satisfactory reference. **George L. Miller, Newark, O.**

GERANIUMS All the best varieties, extra fine plants. S. A. Nutt, Marvel, Grant, F. Perkins, Mme. Jaulin, La Favorite, Hill, etc., 2¼-in., $2.00 per 100; 3-in. $3.00 per 100; 4-inch in bud or bloom, $5.00 per 100. **PANSIES,** extra fine plants from cold frame coming in bud, $1.00 per 100; $8.00 per 1000. **VERBENAS,** 60c per 100; $4.50 per 1000. **DOUBLE DAISIES,** large plants 75c per 100; $5.00 per 1000. **ASPARAGUS SPRENGERI,** seedlings from flats ready for potting, $1 per 100. **Hill Top Greenhouses, 15-16 Gray Ave., Utica, N. Y.**

Please mention the American Florist when writing.

A FEW GOOD THINGS YOU WANT.

KENTIA BELMOREANA and FORSTERIANA, special price to reduce stock. 2½-in., 8c; 3-in., 15c; 4-in. 25c; 5-in., 50c; 6-in., $1.00. 3, 4, 5-in **ARECA LUTESCENS,** 2 and 3 plants to a pot, same price. These are excellent lot of clean, cool grown plants.

BOSTON FERNS, 4c, 8c, 15c, 30c and 50c each.

DRACAENA INDIVISA, 3, 4, 5-in., 6c, 10c, 25c each.

GLADIOLUS BULBS, good mixture, $1.00 per 100.

GERANIUMS, 2-in., Bonnat, double and single Grant, La Favorite, S. A. Nutt, Atkinson, Salleroi, Poitevine, M. Barny, Kleber, John Doyle, Jaulin, Riccard, Mrs. E. G. Hill, Perkins. Per 100—2-in., $3 00; 3-in., $5.00.

ASPARAGUS SPRENGERI, 2-inch, $3.00 per 100; Plumosus, 3-inch, $8.00 per 100.

PANSIES, in bud and bloom, $1.00 per 100.

ENGLISH IVY, 2-in., $3 00; 3-in., $5 00 per 100.

Verbena, Petunia, Smilax, Achyranthes, Lobelia, Coleus, Alternanthera, Tomato Plants, Camobell Violets, Aster, Ageratum, Heliotrope, Vinca Var., Giant Alyssum, Scarlet Sage Clara Bedman 2 in., $2.00 per 100; 3-in., $4.00 to $5.00 per 100.

Send for wholesale lists. Cash or C. O. D

GEO. M. EMMANS, NEWTON, N J.

HAERENS BROS. SOMERGEM, BELGIUM.

Azalea Indica for Fall Delivery, in best sorts, including the beautiful new Haerensiana, from small plants to large specimens. **KENTIAS** and other palms, for spring and fall, in medium and extra large sizes; all well grown. Address Sole Agents,

August Rölker & Sons,
31 Barclay Street, NEW YORK.

Cincinnati.

BUSINESS NOT DULL BUT STOCK IN SERIOUS OVER-SUPPLY.—MUCH OF THE RECEIPTS GO TO THE BARREL.—GOOD DESIGNS.—NOTES.

We are now having a glut of flowers and prices are very low. The wholesale houses at times do not know what to do with all the stock coming in and vast quantities find their way to the barrel. It cannot be said that business is bad, but there is not near enough done to consume one-half of the flowers received.

Last Saturday one of the finest cafes in this country was opened and nearly every florist made a design or two for the event. An open umbrella from Hardesty and an open fan from Gardner were two of the most conspicuous and best gotten up designs in the lot.

Jacob Meier, of the Clifton Rose Company, has sued Leopold Kleybolte for an accounting and Judge Hollister has appointed Albert Sunderbruch to act as receiver for the concern.

Miss Ada Kresken has been exceptionally busy of late with funeral work. Miss Kresken is one of the best flower workers in the city. D.

Minneapolis.

TRADE STEADY.—PLENTY OF GOOD STOCK.—VIOLETS AND BULBOUS FLOWERS GONE.—VARIOUS NOTES.

Business has been steady, with a fair demand and plenty of first-class goods to fill orders. Roses and carnations are abundant, with fair prices for both, as the bulbous stock is more or less cut out, and the call is for teas and carnations. Violets are about out of the market, the stock being thrown out to make space for spring bedding material.

A large consignment of Caladium esculentum and tuberose bulbs has recently been received from the south by Grinell, Collins & Company, wholesale commission merchants.

C. F. Rice is away on a two weeks trip in the north woods, on a recreation tour. C. F. R.

SPECIAL April OFFER

GERANIUMS.

To reduce our stock of 100,000 plants at once, we will fill orders for the following strictly high grade varieties, true to name and first-class in every respect: extra strong tip cuttings, well rooted, ready for 2½-inch pots, $1.50 per 100; $14.00 per 1000; **In Variety**—S. A. Nutt (best crimson bedder), E. G. Hill, F. Perkins, Beaute Poitevine, Mme. Bruant, Dutchess of Orleans, La Favorite, J. M. Garr, Snow Drift, Thos. Meehan, Alphonse Riccard, L. P. Morton, Athlete, J. J. Harrison, E. Kelway, Mme. Jaulin.

Double Fringed Petunias.

If you want Petunias, we have them and can supply any quantity. Ten novelties selected from Henderson's and Dreer's latest sets, plenty of white, labeled. Extra strong rooted cuttings. **SPECIAL PRICE**, $1.00 per 100; $8.00 per 1000. 500 at 1000 rate.

Smilax, strong seedlings ready for 2-inch pots, $0.5 per 100; $4.00 per 1000.

CASH WITH ORDER.

The W. T. Buckley Plant Co., Springfield, Ill.

STOCKS.

Ten Weeks, out of 2¼ in. $2.00 per 100; $15 per 1000.
Salvias, 2¼-inch, $2.00 per 100.
Giant Alyssum, 2¼-inch, $2.00 per 100.
Sweet Williams, 1 year old plants, $2.00 per 100; $15.00 per 1000.
Forget-Me-Not, 2½-inch, in bloom, $1.50 per 100.
Vinca Variegata, rooted cuttings, $1.00 per 100.

J. G. SCHMIDT, Bristol, Pa.

Plant and Rooted Cutting List

NOW READY FOR SHIPMENT.

	Per 100	Per 1000
Marguerites	$ .75	$ 6.00
Heliotrope, 4 varieties	.60	5.00
English Ivy	2.00	18.00
Achyranthes, 4 varieties	1.00	8.00

PTERIS TREMULA, 2¼-inch pots, per 100, $2.00; 2½-in. pots, per 100, $3.00; 3-in. pots, per 100, $5. For list of varieties see AMERICAN FLORIST of Nov. 9. If wanted by mail add 15c per 100. Samples by mail 25c.

CHRYSANTHEMUMS W. H. Lincoln, Jerome Jones, Golden Wedding, Philadelphia, Ivory, Thornden, Pres. Smith, Minnie Wanamaker, Louis Boehmer, Maud Dean, Viviand-Morel, Major Bonnaffon, G. W. Childs, Mme. Bergmann, Glory of Pacific, J. G. Whilldin. Rooted cuttings, grand stuff, $1.25 per 100; $10.00 per 1000.

☞ All the above sold on the positive guarantee of their being first-class, if not, your money at once refunded.

Having to rebuild our greenhouses this season the following stock is in our way at the start. If you want any speak quick: Asparagus Plumosus, 3-year, from bed fine clumps, $18.00 per 100. Kentias, 2½-inch, very fine, $6.00 per 100. Roses—Ulrich Brunner, 2-year old, pot grown, have just cut a crop of flowers from them. Can now be safely shaken out, grand stock either for next year's forcing or stock plants, own roots, $12.00 per 100. Paul Neyron, same as above, $12.00 per 100. Kentia Seedlings, from flats, 1-year, $3.50 per 100. Geranium Mrs. Pollock and Happy Thought, 1 and 2-year stock, plants from bench, $6.00 per 100. English Ivy, fall propagated, very fine, $1.25 per 100, $10.00 per 1000. Poinsettia, 1-year dormant, $3.00 per 100. Dracæna Indivisa, 5, 6 and 7-inch pots, 20 to 36 inches high, perfect plants, assorted sizes, $25.00 per 100. English Ivy, 4-inch, strong, $8.00 per 100.

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A Discount of 50 °/₀ on Wittboldii Ferns

FOR 30 DAYS ONLY.

2½ inch, $5.00; 3-inch, $8.00; 4-inch, $12.00; 5-inch, $20.00 per 100.
Bench plants, $3 to $8 per 100. Good for 8-inch pots, 50 cts. each.

This is a rare chance to get a stock of this New Fern cheap.

CASH PLEASE. **A. J. BALDWIN, Newark, Ohio.**

BARGAINS. READ THIS, FOR HERE IS WHAT YOU WANT AND WE WANT ROOM.

Geraniums, composed of S. A. Nutt, La Pilot, Richard Brett Frances Perkins, Beaute Poitevine, Dble. Gen. Grant, Bruanti, Ruy Blas, Gloire de France, Centaureau, Alph. Riccard, Margaret de Leyas, Jas. Gaar, Wunder, Granville, La Favorite, Mme. Bruant, and several other varieties in 2¼ in. pots, also Rose Geraniums, and want shifting at once, at $2.50 per 100; $20.00 per 1000. Special prices in lots of 5000 or more. 500 at 1000 rate.

Coleus, in variety, 2¼-in. pots, $1.50 per 100; rooted cuttings 60c. per 100; $5.00 per 1000.

Verschaffeltii and **Queen**, 70c. per 100; $6.00 per 1000.

Anthemis Shower of Gold, R. C., $1.50 per 10.

Ageratum, in variety, 2¼-in. pots, $2.00 per 100; rooted cuttings, 60c. per 100.

Fuchsias, in variety, 2¼-in. pots, $3.00 per 100; rooted cuttings, $1.25 per 100.

Heliotrope, in variety, 2½-in. pots, $2.00 per 100; rooted cuttings, $1.00 per 100.

Salvia, in variety, 2½-in. pots, $2.00 per 100; rooted cuttings, 75c. per 100.

Var. Vincas, 2¼-in. pots, $2.00 per 100; rooted cuttings, fine, $1.00 per 100; 4-in. pots, $6.00 per 100.

Feverfew, from soil, $1.50 per 100.

English Ivy, from soil, $2.00 per 100.

Cash with the order.

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16 fine varieties, 2½-inch pots	$3.00
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Large Pansy Plants	1.50

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1500	2½ "	6.00	48	9 "	3.60
1000	3 "	5.00	48	10 "	4.80
800	3½ "	5.80	24	11 "	3 60
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VENERABLE FLORIST CELEBRATES WEDDING ANNIVERSARY.—MANY CRAFTSMEN PRESENT.—CARNATIONS IN THE FIELD.—STATE OF TRADE.

Mr. and Mrs. Martinetz, of Lakewood, tendered a reception to a number of their florist friends and others Tuesday evening last, the occasion being their thirty-fifth wedding anniversary. Among those present were Mr. and Mrs. H. A. Hart, Mr. and Mrs. A. Graham, Mr. and Mrs. August Schmitt, Mr. and Mrs. Chas. Gibson and Dr. and Mrs. Hintzlman. The couple were the recipients of hearty congratulations from their host of friends. Mr. Martinetz has the distinction of being one of the pioneer florists of Cleveland, having embarked in the business back in the early sixties, finally locating on the place he now occupies, the soil of which he found to be particularly adapted for grape culture, which fact induced him after a time to relinquish his floral business and enter into the business of growing grapes on a large scale for the production of wine. The business prospered to such an extent that he can now boast of having one of the finest wine cellars in Ohio. In connection with his wine business he conducts a successful country road house.

The advent of good weather has caused a number of the growers to start carnation planting. The J. M. Gasser Company has almost finished planting a field of 100,000 plants. The planting season this year is about one week ahead of last year.

Business has been steady the past week, no surplus of good stock on hand. Prices range about the same as at last report.

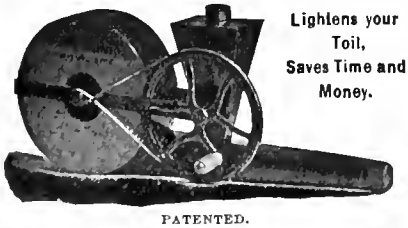
ECHO.

DULUTH, MINN.—W. W. Seekins was adjudged bankrupt April 7. A meeting of the creditors is called for April 22.

APPLETON, WIS.—The Rogers Greenhouses are to be enlarged by the addition of two houses, 23x125 and one 23x100, one for roses, the others for carnations. A Chicago firm has the order for the cypress.

The Peerless Powder Blower

Every Grower Should Have One.



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$1.00 Tin Sufficient for 100 Square Yards.

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BUG KILLER and FERTILIZER. Three years of unprecedented success wherever introduced all over the United States has proved "BLACK DEATH" to be a cheap and absolute annihilator of all insects, bugs or beetles that prey on vegetation, foliage and flowers. See what Peter Reinberg said in this paper, Feb. 8. Other strong indorsements sent on receipt of postal card.

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IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

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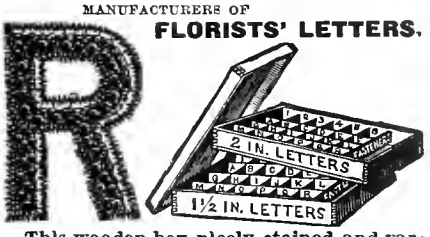

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THE BEST ON THE MARKET.
1 Stand $1.50; 3 Stands $4.00; 6 Stands $7.50; 12 Stands $14.00.
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Cost of Greenhouses.

ED. AM. FLORIST:—I propose to build a greenhouse plant of five houses 15x150 for carnations and one 25x150, one half of which is to be used for bedding plants, and so forth, the other half, separated by a glass partition, to be used for palms. Will you please advise me as to the approximate cost of such a place complete, using "Dutch" roof construction and 3½-inch or 4-inch flues for heating? It will be a steam boiler with no dome, tapped for 3½-inch flows and returns, one main feed and one main return pipe for each house. The fire and heat goes under the belly of the boiler and back through the flues and up the stack. The whole will be bricked in. Will such a boiler be practical and economical and what will be the cost of same set up, hauling charges not included (second hand good condition)? Will a tubular boiler 16 feet by 4 feet be sufficient? I figure that I will need about 6,000 linear feet of 3½ inch flues. The place will be built near Chicago and I expect to build it myself with the aid of my two growers and a greenhouse carpenter. VAN.

The plan which accompanied this letter showed five houses 15x150 feet and one house 25x150 feet. The houses would probably cost $5,000 to $6,000 exclusive of labor. The boiler described is of ample size and would answer well for heating the houses with hot water, which I infer is the method proposed. The amount of piping mentioned is approximately correct. It will be best to use two flows and returns for the 25-foot house. The boiler should be tapped for two 5-inch flows and two returns of the same size. One suitable for the purpose would probably cost from $300 to $500, according to its condition when set up.

L. R. TAFT.

BALLSTON SPA, N. Y.—Myron Paddock is planning the enlargement of his place this season.

LENOX, MASS.—At the April meeting of the Lenox Horticultural Society Robert Simpson, of Clifton, N. J., read an exceedingly interesting paper on rose growing. A fine vase of American Beauty was shown by Mr. Butts, for Mr. Philcocks, and was awarded a diploma.

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UP TO 32 FEET OR LONGER.
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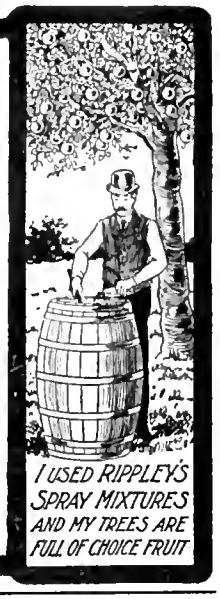

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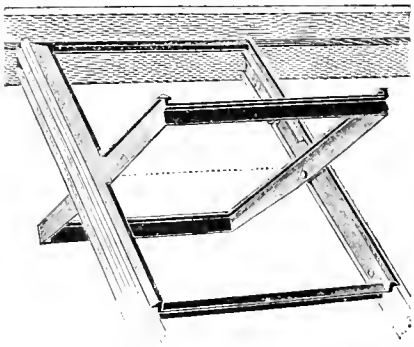
Patent Applied For.
The sash being perfectly balanced you can open the sash on houses up to 1000 feet long with one machine. No header bars. No hinges to rust. Will last a lifetime. The price is within the reach of all. Send for descriptive circular.
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Please mention the American Florist when writing

The Standard

The lightest running, most rapid and powerful ventilating machinery in the market.
Duplex Gutters,
Made of wrought or cast iron with self adjusting sash bar clips. The only Drip Proof Metal Gutter offered to the Public. Send for my catalogue free.
E. Hippard,
Youngstown, O.
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GALVANIZED WIRE—AT BARGAIN PRICES.
Fifty car loads of new galvanized wire, in short lengths. Never was used. Comes from 6 to 10 gauge. Put up 100 lbs. to a coil and only one size wire to each bundle.

Prices range from $1.40 to $1.90 per 100 pounds.
Our Free Catalogue No. 47 for the asking. We handle all kinds of supplies from Sheriff's and Receiver's Sales.
Chicago House Wrecking Co.
West 35th and Iron Sts., Chicago.

WIRED TOOTH PICKS
$1.25 per 1000, postpaid. Samples free.
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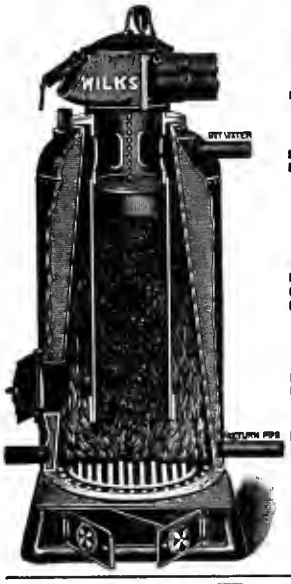

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Best made for Greenhouses. SELF-FEEDING MAGAZINE.
All Steel. Simple, strong, durable. Send for Catalog, etc.
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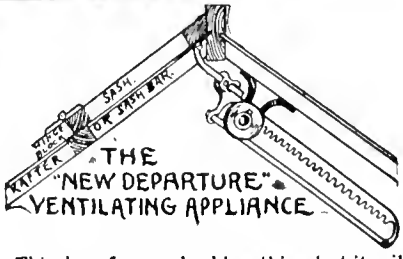
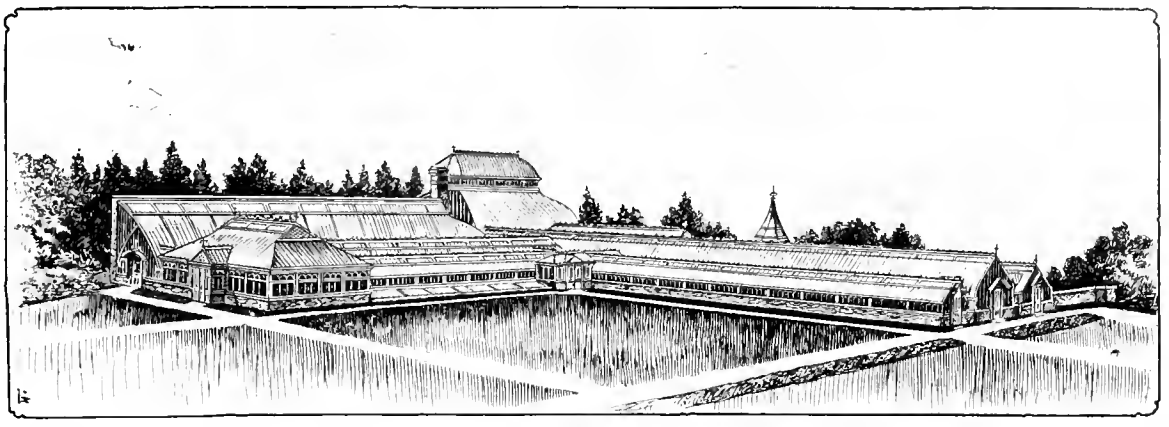


This is a funny looking thing but it will do the work easier and cost less than any other apparatus on earth or any other place.
Send for a descriptive circular to
J. D. CARMODY, Evansville, Ind.

D. O. Cunningham
Glass Co.,
PITTSBURG, PA.
Tank Window Glass.
Hot-House Glass A Specialty.

RENDLE'S GREENHOUSE CONSTRUCTION

HORTICULTURAL BUILDINGS OF EVERY DESCRIPTION ERECTED.



NOW BEING ERECTED FOR HOWARD GOULD, ESQ., SANDS POINT, L. I.

THE above cut represents a perspective view of the range of Conservatories and Greenhouses now being erected by me for HOWARD GOULD, Esq., at Sands Point, Long Island, which will cover over 20,000 square feet of ground and is probably the largest private range of greenhouses in the country.

Arthur E. Rendle,

Horticultural Architect and Builder. TELEPHONE 1094 JOHN. **116 Nassau St., New York.**

GLASS Try Lucas Putty.

SELLING GLASS FOR **CONSERVATORIES AND GREENHOUSES** A SPECIALTY WITH US.

Superior Finish. Extra Strength. Reasonable Prices.

Write **JOHN LUCAS & CO.,** 320 Race St., Philadelphia, Pa.

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GOOD... THINGS

Hammond's Greenhouse White Paint AND **Twemlow's Old English Glazing Putty**

In use by some of the largest Florists in the United States. Write for prices.

HAMMOND'S PAINT & SLUG SHOT WORKS, FISHKILL-ON-HUDSON, N. Y.

KROESCHELL BROS. CO.

IMPROVED

Greenhouse Boiler,

45 Erie St., CHICAGO.

Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

DILLON'S GREENHOUSE MFG. CO. Bloomsburg, Pa.

MANUFACTURERS OF HOT BED SASH, AIR DRIED GULF CYPRESS SASH BARS AND OTHER GREENHOUSE MATERIAL.

BUILDERS of DURABLE and PRACTICAL Greenhouses at a LOW COST.

Our descriptive circular will be ready about April 15th and will contain valuable information for every florist. Send for it. WE HAVE SOMETHING NEW TO OFFER.

LUMBER and MATERIAL FROM THE BUFFALO EXPOSITION.

We purchased the buildings and property formerly owned by the exposition and now offer for sale 33,000,000 feet of fine seasoned lumber. Thousands of Sash, Windows and Doors, Engines, Boilers, Pumps and Machinery in general. Mile upon mile of Iron Pipe, Electrical apparatus of various kinds. Fire Apparatus, Iron Beams, Trusses, Columns, Benches, Builders' Hardware and thousands of other items too numerous to mention. All of the above will be included in our Exposition Catalogue, mailed on application. OUR PRICES WILL ASTONISH YOU

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Successful Growers are Wanted

To know that they can dispose of all their surplus stock by advertising in the American Florist. TRY IT NOW.

Lowell, Mass.

TRADE REASONABLY SATISFATORY.—CARNATIONS ABOUT THE ONLY SHORTAGE — LILIES GO AT CHEAP PRICES.—VARIOUS NOTES OF LOCAL INTEREST.

Business has been pretty fair considering that a holiday has just been passed and that there has not been any great amount of funeral work lately. The supply of flowers is in good shape, except carnations, of which there is a scarcity, and the price continues to hold up. With roses it is another question. They can be bought at almost any price. Choice Brides and Bridesmaids can be had at from $6 to $8 per hundred, and for funeral work for from $2 to $3. Roses this winter have not sold as well as in former years. A few good Brunners are coming in and sell quite well at $3 per dozen. Customers seem to have got tired of Meteors. Liberties have been scarce here this season. Pierson supplied us last year. Bulbous stock seems to be on the wane. Never was there a year when so much yellow was pushed out to customers as this. They are complaining, saying they have seen enough to last them a long time. Lilies, if one can use a large quantity, sell as low as $3 per hundred, and in some cases find no buyers at that price. Frame violets are now coming in and are quite a change. May flowers from the wilds of New Hampshire have made their appearance and at 25 cents per bunch of thirty-five flowers the demand is greater than the supply at present. A. M.

LEXINGTON, VA.—H. P. Rhodes, fancy grocer and cut flower dealer, has made an assignment to D. E. Witt; assets $300; liabilities $600.

HOT BED SASH,

NOW READY.

Delivered price anywhere on lots of one dozen or more. Guaranteed in every way.

THREE SIZES.

3 ft. x 6 ft.....3 rows 10-in. glass
3 ft. 3-in. x 6 ft.....4 rows 8-in. glass
4 ft. x 6 ft.....5 rows 8-in. glass

Clear Cypress 1¼-inch thick, without paint or glass.

RED CEDAR POSTS.

All Heart Cypress Lumber for Greenhouses.

Write for circulars, plans and estimates.....

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LOCKLAND, O.

ATTENTION

Red Cypress Greenhouse Material.

We have the experience and ability to give you EXPERT ADVICE. Before building, write us.

We use absolutely the very best grade of Air Dried RED CYPRESS Produced, and guarantee our workmanship unexcelled. We have the largest capacity in the United States.

PAINT We have a specially prepared Paint for iron work and piping in Greenhouses—it is waterproof, very elastic, and will not crack or scale, and is absolutely indestructible; it will protect your iron work from Rust. It does not smell. Write for information.

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Office, 471 W. 22nd St. CHICAGO, ILL. Factory and Lumber Yard, 474-498 W. 21st Place.

SHORT-ROOF GREENHOUSES. (Patented.)
.....WRITE FOR CATALOGUE.....
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Manufacturers of California Red Cedar and Louisiana Cypress Greenhouse Material.
615-621 Sheffield Ave., CHICAGO.

New Twin Section Boiler.

Clear Gulf CYPRESS GREENHOUSE MATERIAL.

Glass AND Boilers

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Estimates furnished for Erecting.

Send 4 cts. for Boiler Catalogue.

GET OUR PRICES BEFORE ORDERING.

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IMPROVED VAPORIZING PANS
For Tobacco Extracts, Etc. Send for Circulars.
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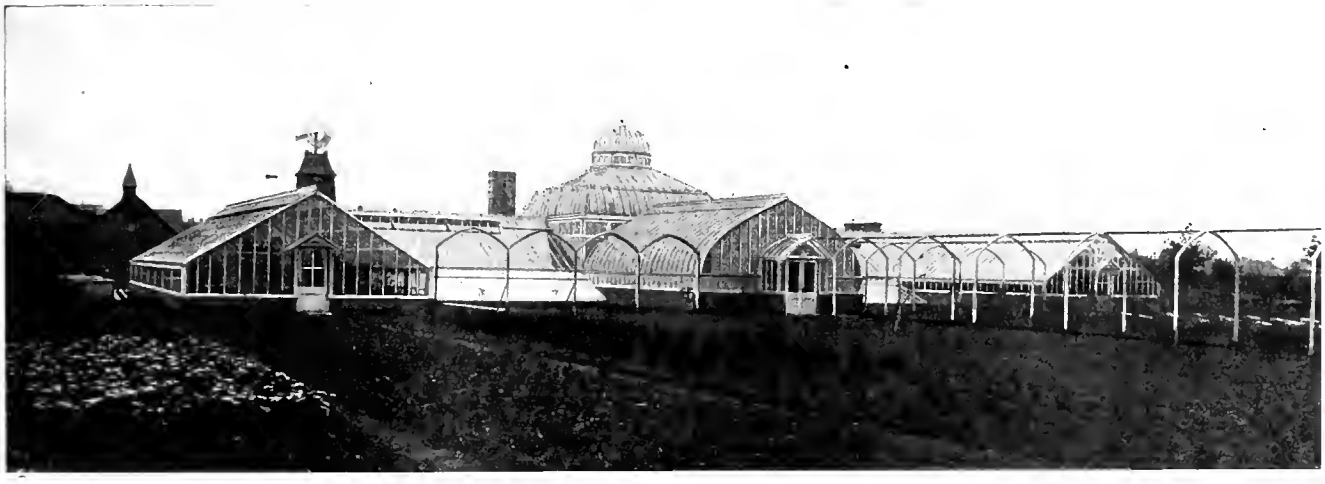
Hitchings Boilers,

Hitchings Greenhouses,

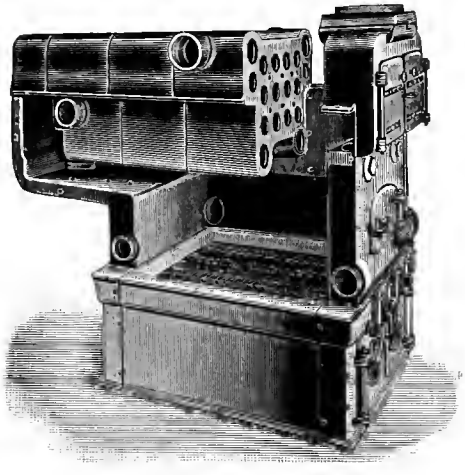
Embrace latest Improvements in Construction for Economical Management.

IRON, STEEL AND CYPRESS STRUCTURAL MATERIAL FURNISHED, READY FOR ERECTION.

PATENTED IRON, SELF-LOCKING SASH OPERATING APPARATUS.

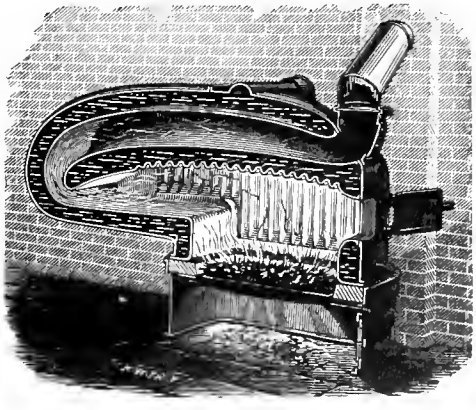


DESIGNED AND ERECTED BY HITCHINGS & CO., FOR E. J. BERWIND, ESQ., AT NEWPORT, R. I.



Our New Sectional Tubular Boiler.

Heating Apparatus
ERECTED IN
Greenhouses, Conservatories
AND OTHER BUILDINGS.



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Hitchings & Co.,

Send 5c for Illustrated Catalogue.

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A Coil Boiler.

ED. AM. FLORIST:—We are planning to build a brick furnace inside of which there will be 150 feet of 1¼-inch pipe for heating water to heat a house 20x150 feet. We also wish to utilize the heat from the flue pipe. Do you think such an apparatus can be built, and how? We have tried it on a small scale and find that one foot of pipe inside the furnace will heat fifty feet of pipe outside. A. P. C.

Combination hot water and flue furnaces are seldom satisfactory. If anything of the kind is to be used, it will be better to get a saddle boiler, such as is made by some leading makers. If a coil boiler is to be made, it will be more satisfactory if 100 feet of 2-inch pipe are used instead of 150 feet of 1¼-inch.

L. R. TAFT.

A Question of Piping.

ED. AM. FLORIST:—In writing to you at this time we ask advice with regard to heating a forcing house. We have a space of sixteen feet between two houses 100 feet long. We intend to take the walls away between the two houses after covering the space with glass. The present houses are 25x100 feet, amply heated to maintain a temperature of 55° when the weather is 10° below zero. The question is how many return pipes will be needed to give the same temperature in the new house. We have a hot water system and the new house will be close to the boilers. E. L. C.

With ten 2-inch pipes there should be no difficulty in maintaining the desired temperature, while nine would give good results. L. R. T.

CYPRESS

Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.

RIPPLEY'S
MPROVED 1902
COMPRESSED AIR SPRAYERS
have fine Vermorel Spray Nozzle; made of heavy copper and galvanized steel; has safety valve. Strongly riveted and double seamed. Guaranteed to be as represented and to be the strongest sprayer manufactured. Fine for spraying young orchards. Trees 25 feet high by using extension pole. Exterminating insects from vegetables spraying gardens, washing buggies. Fine for white-washing buildings, etc. Made in two sizes, 4 and 6 gallons. 4 Gal. Galv., $5; 4 Gal. copper, $7. Fine brass pump fitted on outside. Solution easily agitated. We also sell large orchard sprayers. 5 Gal. Galvanized, $5.00, 5 Gal. Copper, $8.00. Send to-day for our Sprayer and Breeder Supply Catalog. *Agents Wanted.*
Rippley Hdw. Co., Box 19, Grafton, Ill.

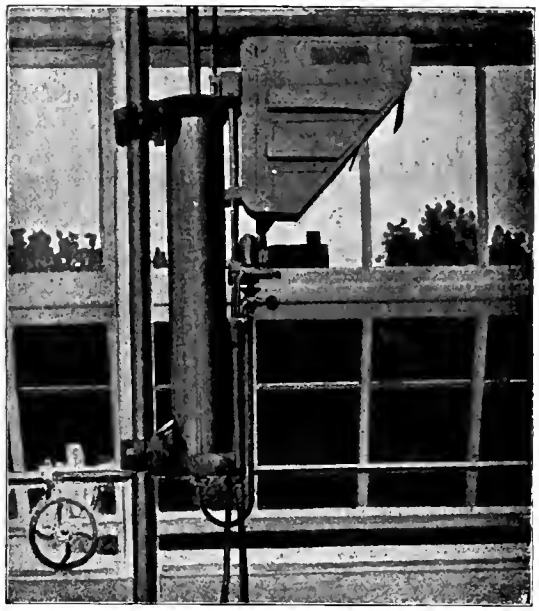
The Highest award at the New York Carnation Show was given to a man who has forty-three (43) of our Automatic Ventilators. Our Ventilators are at work in the Central Park Conservatories, New York.

Prevents Mildew

Operates to perfection in catchy weather.

Commercial growers use them largely.

The Automatic Ventilator does its own thinking.



Saves all labor.

Improves the growth of plants.

Especially good for Roses.

Will last a lifetime and soon pay for themselves.

The Automatic Ventilator ventilates as necessity requires.

THE CHADBORN PATENT AUTOMATIC VENTILATOR
For Greenhouses, and also Temperature Regulator for Radiators.

CHADBORN MFG. CO., NEWBURG, N. Y. BUFFALO, N. Y., March 28, 1902.
Gentlemen:—Your Automatic Ventilator was installed in one of my houses in January. It has answered every purpose for which it is designed. In a large establishment it must be a great saving of labor; and it does its work accurately. Wishing you the success you deserve, I am
Very truly yours, WILLIAM SCOTT.

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CLEAR CYPRESS ABSOLUTELY FREE OF SAP

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Such Cypress invariably is furnished by parties who have no knowledge of the peculiar requirements of greenhouse material.

We have made greenhouse construction a special study.

Our lumber is selected with the greatest of care, our material is guaranteed perfect and strictly up-to-date.

Write us, when next you want material.

IT PAYS TO PAY FOR QUALITY

JOHN C. MONINGER COMPANY.
GREENHOUSE MATERIAL
111 to 115 BLACKHAWK ST. CHICAGO ILL.
SELLING AGENTS FOR
GARLAND IRON GUTTERS.

GARLAND'S IRON GUTTER

No Ice. No Breakage Of Glass.

This Gutter will save money in cost of construction.

GEO. M. GARLAND,
DES PLAINES. ILL.

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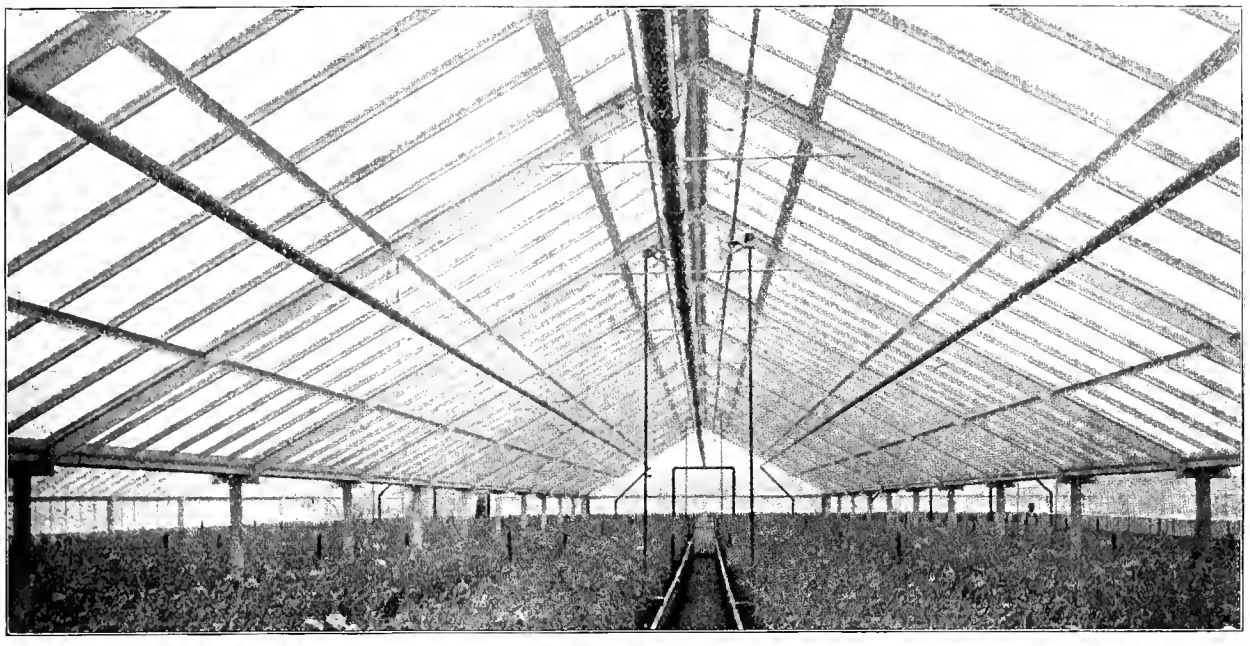
HORTICULTURAL ARCHITECTS AND BUILDERS AND MANUFACTURERS OF HEATING AND VENTILATING APPARATUS.



THE ABOVE ILLUSTRATES OUR IRON CONSTRUCTION WITH IRON GUTTER, MADE IN LENGTHS UP TO 25 FEET. FROM A PHOTOGRAPH OF THE CRESSBROOK GREENHOUSES, FALL RIVER, MASS.

For further information address **THOS. W. WEATHERED'S SONS, 56 Marion St., New York.**

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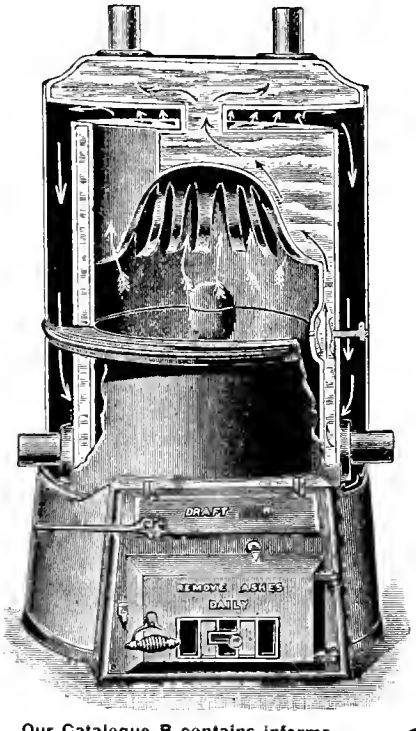

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NO WATER CASTINGS

Are exposed to outside air, but protected by cast iron asbestos lined casing which effectually prevents the radiation of the heat and causes the water chambers to be entirely surrounded by the heat.

SIMPLICITY OF OPERATION

WITH ENORMOUS EFFICIENCY IS THE CLAIM WE MAKE FOR THIS BOILER.

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"Your Standard Hot Water Boiler No. 32 is all that you recommend it to be. It does the work for me nicely that other boilers have failed to do. It heats a greenhouse 80x18 and also a large two-story barn and makes them quite comfortable in the coldest weather. I highly recommend it to any one as a first-class heater both from point of efficiency and economy."

We make a special price on the first Boiler going to a place where we have none in use.

Our Catalogue B contains information valuable to Florists and will be sent with prices on application.

GIBLIN & CO., UTICA, N. Y.

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and Save 50 per cent.
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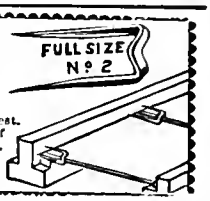
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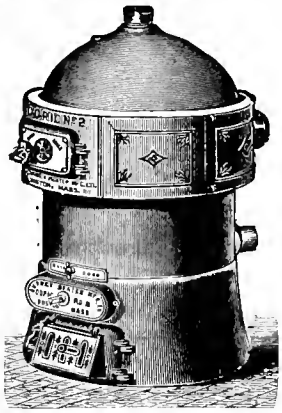
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THE AMERICAN FLORIST

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Vol. XVIII. **CHICAGO AND NEW YORK, APRIL 26, 1902.** **No. 725.**

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THE AMERICAN CARNATION SOCIETY.

Annual convention at Brooklyn, N. Y., February, 1903. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Asheville, N. C., August, 1902. Edwin Lonsdale, Chestnut Hill, Pa., Sec'y.

AMERICAN ROSE SOCIETY.

Annual meeting at call of executive committee, LEONARD BARRON, 136 Liberty St., New York, secretary.

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More About Pipe.

[A paper by A. E. Ford, read before the Florists' Club of Philadelphia, April 1, 1902.]

Your genial secretary in extending his official invitation was kind enough to originate the title "More About Pipe," but failed to advise on what point you wished for more information than you now possess. I am, therefore, led to conjecture that you may possibly desire to have the benefit of what knowledge I may have gained of both the manufacture and vending of wrought pipe, and will govern myself accordingly.

The manufacture of wrought pipe, while being of special interest to those who are identified with its production and sale, is of more than passing moment to Philadelphians, for the reason that it was in this city that the first machine-made pipe was manufactured in America, under patents secured from England, about the year 1835, an industry that afterwards had an enormous development and became a prominent feature in the business of this great industrial city Prior to the time stated, pipe had been made by hand in England and here and was necessarily very expensive, so that when gas was first introduced into Philadelphia, old gun-barrels were used as a substitute until the supply became exhausted.

With regard to the original makers of wrought pipe in this country there seems to be some uncertainty, the claim having been made by Samuel Griffith, who had a furnace on the site of what is now 27 North Seventh street, and by Morris, Tasker & Morris, who were located at Third and Pear streets, where they carried on a foundry business and made a specialty of the manufacture of stoves, ranges, heaters, etc. It is no province of mine to endervor to establish as to which of these claims was correct, but as Mr. Griffith never reached a point much beyond his original venture, and Morris, Tasker & Company expanded to such an extent as to become at one time the absolute controllers of the pipe industry, I shall deal with that firm in making further comparisons.

It is, of course, understood that all wrought pipe made and used at the time mentioned was iron and "butt welded," the commercial lengths being about twelve feet, and the gross product of this infant industry about ten tons per week. And in order to protect same in a measure from foreign competition, it was decided to adopt a different standard of threads to be known as the "American gauge," which at this day necessitates our makers using the English threads on all pipe intended for export. From this small beginning has grown up one of the great industries of this country which gives us a practical illustration of our marvelous industrial growth, which does now and will still further in the future enable us to dominate the markets of the world. The present production of wrought tubular goods in America is not less than 5,000 tons per day, a capacity which equals at least that of England and Germany combined.

Where the original range of sizes was from ½-inch to 1-inch we now manufacture from ½-inch to 30 inch, the larger sizes being "lap welded" instead of "butt welded." The growth has, of course, been gradual and much of it has been attained since the introduction of steel as a factor in pipe making, which was first done successfully in 1885 by F. J. Hearne, at Wheeling, W. Va., this gentleman now being the President of the National Tube Company, which is one of the constituent companies of the United States Steel Corporation. This innovation you will readily understand was vigorously combatted by the makers of iron pipe, but slowly but surely steel has forced its way until it is to-day more of a king in the industrial world than cotton ever was.

I think, gentlemen, I have now reached the point which I understand was the subject of former discussion and possibly differences of opinion, and I wish to say that any sentiments which I may express simply represent my individual experience and judgment. To my mind there is no question that iron pipe as originally made from "A1" quality of pig iron was for some purposes superior to the present soft steel article manufactured by the Bessemer process, but unfortunately, commercial conditions have made it impossible to procure such pipe except at a price which would be practically prohibitive to the ordinary user, and we, therefore, have to choose between a so-called wrought iron pipe, which is manufactured largely from scrap iron, and which frequently contains a mixture of hard steel which unfits it for many uses, particularly when you have to cut it up, and a pipe of pure steel.

In making this statement relative to iron pipe you will understand that I am making no charge of any unfairness on the part of the manufacturers, as it is absolutely necessary for them to bring the cost of their product down to a point where they can make such selling prices

as will enable them to compete with the cheaper article. In other words, it has become a choice largely between good steel pipe and uncertain iron pipe, and my individual leaning is towards the former. Even if it were possible to get the kind of iron pipe "our fathers used," there would still be many uses for which steel would be preferable, particularly where tensile strength is to be considered. To more readily understand the differences between iron and steel pipe, it might possibly be well to explain tersely the difference in their production.

In making iron pipe originally a high grade of pig iron was used, same being "puddled" by hand labor into what is termed "muck bar." This is then piled into faggots, which in turn are rolled into sheets of the proper diameter for each size, the term for which is "pipe skelp." This skelp is then brought to the welding furnaces and brought to a finished condition.

The difference in making steel pipe is, of course, in the processes previous to its reaching the welding furnaces, where the work is practically the same. The steel process of to-day has simply changed the manufacture of the raw material from hand labor to a mechanical manipulation of the original melting stock, the only difference being that the steel ingot is cast and consequently devoid of the fiber which you find in iron.

The steel pipe, owing to this process, has much more tensile strength than iron, and is, therefore, much more suitable for high pressure work. Iron pipe, when made as it should be, is undoubtedly more ductile than steel as made at present, but if, as claimed, there is at least two-thirds scrap placed in the puddling furnace, the result must be a bar which is hard and ununiform, in consequence of which the skelp of which this pipe is made does not possess the ductile and welding qualities which formerly distinguished the iron pipe.

I have not touched on the matter of corrosion because that becomes at times a matter largely of local conditions. I have seen cases where iron pipe did not give as good satisfaction as steel, and others where the reverse was the case, so that I think it is only fair to leave that question an open one. There is another point in this connection, which, while it may not specially interest the members of this club, is an important one to the users of wrought pipe, and that is the matter of electrolysis. While I have no special data on this subject, I have heard it stated, without contradiction, that wrought steel pipe will show less impairment from electrical action than wrought or cast iron pipe.

In conclusion, gentlemen, I think that the efforts of the future will not be with a desire to make iron pipe to compete with steel at the expense of the quality of the former, but rather to so improve the quality of the steel product as to make it equal in every respect to the iron pipe which was formerly made under more favorable conditions than now exist, leaving iron pipe to occupy the same comparative position relative to steel pipe, as other iron products do to similar articles of steel.

I am glad to have been with you to-night, and if I have in any way contributed to your entertainment, or to your fund of information, the knowledge of that fact will be ample compensation. I thank you very much for your kind attention and courtesy, and am ready to submit to the ordeal which I have been informed is awaiting me.

CACTUS BEDDING IN FAIRMOUNT PARK, PHILADELPHIA.

CACTUS BEDS AT FAIRMOUNT PARK, PHILADELPHIA.

Cactus Bedding.

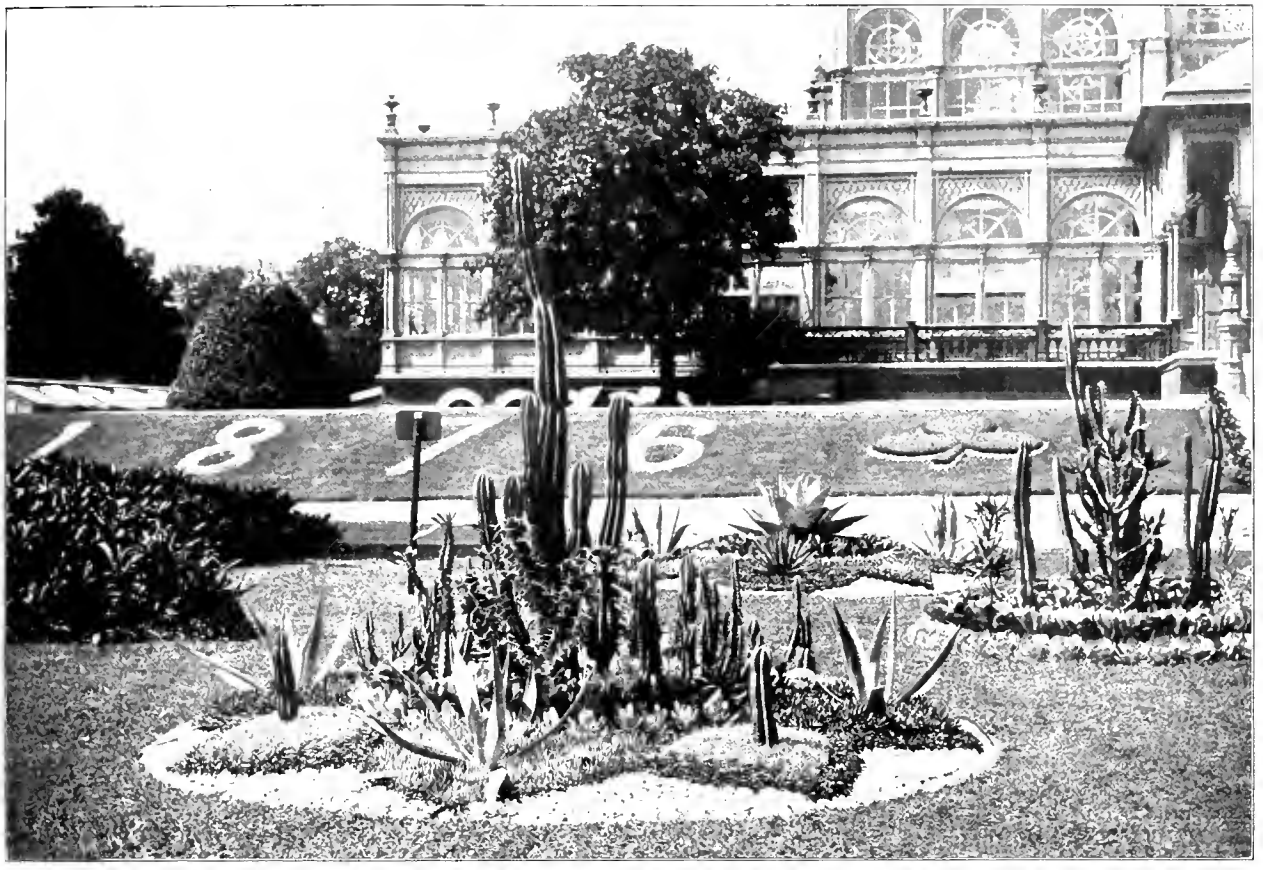
The bedding which attracted the greatest attention in Fairmount Park, Philadelphia last summer was the cactus bedding at the east end of Horticultural Hall. There were four beds around a larger, nearly circular one in the center. The tall specimens were placed rather close together, but sufficiently far apart so that each retained its individuality. They were set in a mosaic of alternantheras, echeverias and sedums. Agaves and aloes were also used and gave a variety that added greatly to the general effect. The popularity of this bedding was such that the vicinity was so crowded on all fair days, particularly on Sunday, that police officers were required to keep the people moving. K.

Successful Rose Growing.

[A paper by Gustave Emil Anderson, read before the Chicago Florists' Club, April 23, 1902.]

To grow good roses we must start with good young stock and good soil. The soil, I believe, should be prepared during the fall, put up in heaps, say about eighteen inches high, then six inches of cow manure and then another twelve to eighteen inches of soil, with a layer of manure on top, then left during the winter until the frost is out, when it should be turned over and broken up. Then the soil is ready for use.

When throwing out the old plants the benches should be cleaned off and a good coat of hot lime wash applied to the boards, unless tile is used in the benches. Then all dirt and rubbish should be cleaned from underneath the benches. Then we are ready for wheeling in the soil, which is quite a tiresome job (but we may live to see the automobile used for that purpose). The soil should be well chopped up when leveled off on the benches, and then comes the planting. The plants should be well watered in the morning, so that every plant is wet through; in case a few should be dry they should be set aside or dipped in a bucket of water. Then plant fifteen inches apart for Brides, Bridesmaids, Meteors, Golden



CACTUS BEDDING IN FRONT OF HORTICULTURAL HALL, FAIRMOUNT PARK, PHILADELPHIA, IN 1901.

Gates and Kaiserins. Beauties require eighteen inches apart to give necessary air circulation around the plants throughout the season. Press the soil down firmly around the plants, and give a good watering but only around the plants, not watering the whole bed. After this syringe the plants one or two times a day, according to the weather. Water only when the plants are dry.

In about two or three weeks the weeds are up and the grower must go over the benches and loosen the soil. The plants will now show good growth and will take a little more water, but water only around the plants for at least two months. Cut all buds off with two to three leaves. Now give a good watering all over the benches and get ready to stake and tie. By this time, if flowers are wanted, the buds can be left on but be careful in cutting the flowers not to cut the plants into the bones. Give all the air possible and the ventilators must be strictly attended to. Open the ventilators a little at a time and lower the same way; if opened the whole way at once and closed again in the same fashion mildew will soon appear.

During hot weather the walks in the greenhouse should be dampened to keep the air moist around the plants. Fumigate on any cold, cloudy evening to keep down the aphis, but do not fumigate too heavily; open the ventilators about two or three hours after if the temperature is too high. Keep the soil worked up and attend to the tying. As soon as the nights get chilly make a little fire and turn on a steam pipe, putting a little sulphur on the pipe. Then be very careful about the ventilation. Do not close down the houses in order to save a few shovelfuls of coal, but leave a crack of air on all night. Do not dampen the walks any more and syringe only on bright sunny days. Examine the soil before watering and let the plants get on the dry side; then water thoroughly.

Some growers cut out all the blind wood in the fall, but I think that it is wrong, as the days are getting shorter, with little or no sunshine, not much air can be given and the plants seem to lose part of their life. Therefore the wood should be left on the plants to help keep the roots active. As long as there is good root action there is life and growth.

Those houses that were planted before June would stand a light mulching of well rotted cow manure about September 1. Those planted later, I think, are better off with a scattering of bone meal about October 1. I do not believe in mulching with cow manure during the short days as the manure will keep the soil in a sour, soggy condition for several days after each watering. If manure water is obtainable, I think once every two weeks is not too often to apply it if the plants are in a good, vigorous growth. Bone meal, wood ashes and lime are good during midwinter, but must be used with judgment. About the middle of January the days are beginning to get longer and brighter and a light mulching of manure can then be put on, unless manure water is used.

Fumigating should be attended to every week. There is quite a difference of opinion about fumigating Brides and Bridesmaids. Some growers fumigate in the morning, as the Bridesmaids have a tendency to lose their color, but I think that is a big mistake, because I have found that the flowers cut right after the fumigating will keep that nasty odor of tobacco smoke for some time and the customers, as a rule, have a habit of putting the flowers up to their noses as soon as they get hold of them. They want the fragrance as well as the flower. I have found, by fumigating in the evening, when I watered, the buds being tight, that toward morning the smoke has disappeared and the flowers have gradually opened, the fragrance is there and they lose very little of their color.

Another important thing is to have a good night fireman as soon as fire is needed. Many good rose houses get checked the first few cool nights, and it often takes a good while before they start out again. Many old growers who ought to know better let their rose houses drop down to between 40 and 50°, and I have seen the plants in the morning as wet from moisture as if they were being syringed, and yet I was told that it would do the plants good to get them hardened off. It will pay any grower to get a fireman that knows how to fire; not one who is a good coal shoveler, but one who knows how to keep a steady fire and an even temperature in the houses. Most of the greenhouse firemen like to stuff the boiler as full of coal as they can and then lie down for awhile, and keep that up through the night, sometimes never to look into the houses. Such a man will damage the stock and burn coal for many times the amount that it would take to pay a good man who knows how to fire and keep the temperature right in the houses and there would be less of sickly plants and crippled flowers.

CRESTON, IA. — The Creston Greenhouses, I. C. Hon, manager, are being enlarged by the addition of two houses 20x80.

Adiantum Cuneatum.

It has been suggested that some notes relative to the culture of this very useful fern would be acceptable to some of the readers of the AMERICAN FLORIST, and while such an article may not possess the merit of entire novelty, yet it is written in the hope that it may prove useful to various inquirers.

To begin at the bottom of the subject, the spores or seeds should be the first consideration, and these should be secured as soon as possible if it is proposed to grow a stock for next winter. As a matter of fact, the spores should have been sown earlier than this to get the best results, preferably about the beginning of January.

The spores should be sown in pots or small pans, 6-inch pots being frequently used for this purpose, the pots having a good layer of coarse drainage material in the bottom, either crocks or cinders, and then being filled nearly to the top with finely sifted soil, a peaty mixture being frequently, though not necessarily, used for this operation, and the soil pressed down smoothly and firmly in the pots until the surface of the soil is about half an inch below the top of the pot. The pots are then thoroughly watered, and should be allowed to drain for a time before the spores are sown, this watering being intended to suffice until the spores are germinated, if possible. All future waterings of the seed pots should be done from the bottom by immersing the lower part of the pot in a bucket of water and keeping it there long enough to moisten the soil without applying any water to the top.

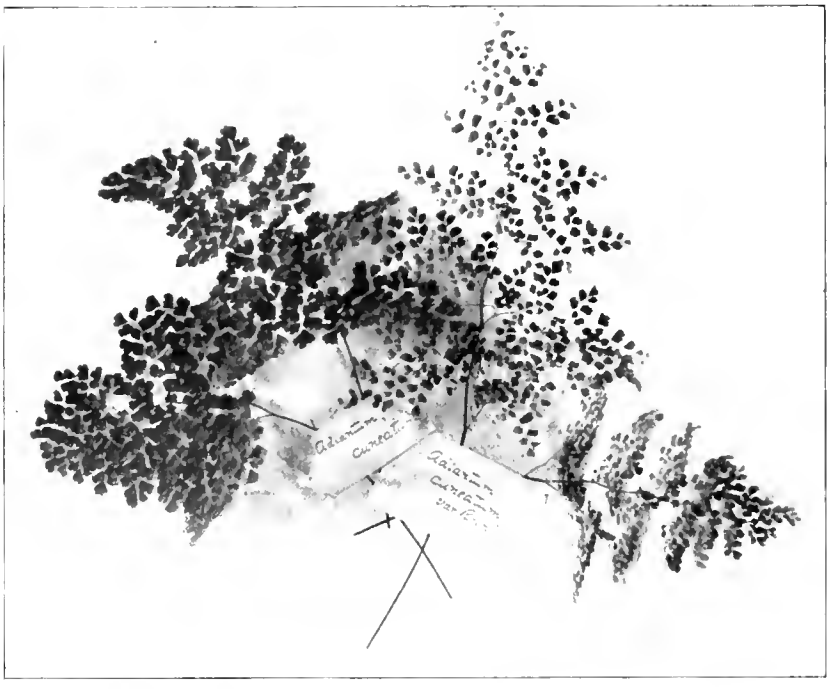
The spores should be evenly dusted over the surface of the soil, and from the fact that the spores are extremely fine and light it is advisable that this be done in a place that is reasonably free from draughts. The seed pots are then plunged in sand, ashes, or other moisture retaining substance in a warm greenhouse, or placed in a propagating frame if this is convenient, the pots being covered with small panes of glass and also well shaded from the sun with papers or muslin.

With proper care the seedlings will appear in two to three weeks, and at the end of six weeks to two months may be large enough to be separated into small patches and transplanted by the aid of a small flat stick to other pots or pans that have been prepared in much the same way as the original seed pots, and in which the transplanted patches of prothallia, as the young ferns in their first stage are termed, will have more space to develop.

Some growers allow the young ferns to remain in these pots after transplanting until they are large enough to be handled for potting, while others prefer to make a second transplanting before potting, the latter method being probably more economical, though occupying more time. When large enough to be handled conveniently the seedlings are potted off into 2½-inch pots, and to facilitate this operation the soil used should be passed through a fine sieve, the young plants being set away in the greenhouse and watered without delay after potting, and should also be protected from the sun and air by covering with papers for a week, it being also understood that at this stage of the proceedings the greenhouse in which the plants are placed should also be shaded.

From this time forward it is largely a matter of ordinary routine in regard to repotting before the plants get too much starved, the shifts depending upon the use to which the plants are to be put, but care should be exercised in the watering of newly potted adiantums, for, while they should not be permitted to get very dry at any time, yet the soil should not be made too wet before the plants are established in it. In regard to soil this adiantum is not very particular, and a good loam enriched with about one-sixth of dry cow manure will be found satisfactory, for most ferns take to this fertilizer quite kindly provided it is not fresh and rank. Rubbed through a sieve with 1-inch mesh and mixed in about the proportions noted above it usually works very well.

After the adiantums are established they will require an abundance of fresh air, and this should be regulated in accordance with the wind, airing freely all night throughout the warm weather and continuing the night ventilation until the weather becomes too cold to keep a night temperature of 60° to 62° with air on. During the summer shading will be needed over the adiantums, but from November 1 to March 1 they will do without, and will keep in better



ADIANTUM CUNEATUM AND A. CUNEATUM ROENBECKII.

ADIANTUM CUNEATUM.

WINDOW DISPLAY OF JOHN COOMBS, HARTFORD, CONN.

condition for general use than when they are too heavily shaded.

If it is desired to grow adiantums for cutting it is the better plan to plant them out on a bench rather than to grow them in pots, and a good method for such a crop would be as follows: Use a bench the bottom of which is sufficiently open to allow good drainage, and in a house that is reasonably free from drip. Fill the bench to a depth of six inches with similar soil to that suggested for pot culture, but using in the bottom of the bench some rough, fibrous soil such as chopped sod in order to keep the drainage open. Plant out strong and healthy 3-inch pot plants, placing them from one foot to fifteen inches apart, planting them firmly and watering in fairly well, but after this watering it is well not to water too freely until the plants begin to grow, for if the bed becomes soggy and sour the plants will not make a good start.

Shade the house moderately and ventilate as recommended for the pot plants, and such a bed should give a good lot of fronds during the following winter, and ought to continue to produce profitably for two or three years if given a good top dressing of new soil each year, and also have all dead fronds and rubbish removed from time to time.

There should not be much trouble from insects among the adiantums, the worst pest being the common snail, which has a most voracious appetite for young fern fronds. Pulverized camphor, or pulverized moth balls sprinkled among the plants in moderate quantities will drive out most of the snails, and unless used in profusion will do no injury to the plants. Green aphis will sometimes appear on the young growth of the adiantums, but is readily disposed of by the use of nicotine vapor carefully applied.

For pot culture it is best to secure the true form of A. cuneatum if possible, for much of the stock sent out of late years as A. cuneatum is in reality the variety of this species named A Roenbeckii, the latter being less compact than the type, having smaller pinnæ and producing a longer frond. For cut fronds it is perhaps immaterial which form is grown, but as a pot plant the true A. cuneatum is superior. The distinction between these two forms is shown with some degree of clearness in the accompanying illustration, in which the forms in question are exhibited side by side, and while it is not so marked a difference as would be noticed in the habit of two plants of corresponding size set up together, yet the difference is quite worthy of note.

W. H. TAPLIN.

A Handsome Window.

John Coombs has been attracting much attention to his store at Hartford, Conn., by his fine window display, a photograph of which is herewith reproduced. This is a view taken just after Easter, after the flowering plants had been well cleaned out. During Easter week, underneath the arches, each side was banked solid with lilies and beneath the center arch were azaleas, making a very pretty effect and one which without doubt did much to stimulate trade. The leading retailers throughout the country are coming more and more to recognize the value of tasteful display in winning patronage. It is the man with the handsome wagon and the profusely decorated show window who is getting the cream of the trade, for he is the one who is talked about by the people, and there is no such advertising for a retail business of any character as the voice of the people. But taste must dictate, for overdisplay is ostentation, which is not inviting, and the embellishment of the salesroom and show window must be in keeping with the capital of the concern; it should be just one step in advance of the development of the business.

Roses In Chicago Parks.

The past winter was a very favorable one for outdoor roses, notwithstanding that it was a long, cold one. Those in the rose garden on the Wooded Island in Jackson Park, Chicago, and in the new rose garden in Washington Park, have wintered splendidly. It was, indeed, a pleasure to find upon uncovering them this spring, the stems green to the tops. The covering was removed March 20, just before a severe cold spell, but they were not injured in the least, owing, no doubt, to their dormant condition. Right here is a very important point which seems to me should always be kept in mind in caring for outdoor roses, or any other outdoor plants. It is not the extreme cold, but the sudden change from heat to cold which does all of the mischief. The wood should have become thoroughly ripened before the covering is put on in the fall, and then covered with just enough leaves or manure to keep them from sudden changes of temperature, for if the roses become too warm the sap will begin to flow, and when the next cold snap comes great damage usually results.

I had not intended to refer at this time to the winter care of roses, but having in mind several failures resulting from this cause I think it might be a good thing to note for those who have had poor success in bringing their plants through the winter. Covering, pruning and watering are the three important factors. Without careful attention to these, I do not believe it possible for anyone to have even fair success in this vicinity with outdoor roses. Many persons who purchase and plant roses and other hardy plants are disappointed with results simply because they do not realize that in order to succeed, they must give them careful attention during the winter months.

In some eastern and southern states roses are as common as lilacs, while around Chicago they are looked upon by flower lovers as a luxury. This would not be so if our amateur growers would only remember that they must give their plants cultivation, care and attention. Otherwise the money and time extended in planting them is wasted, for are there not many hardy plants which certainly require less attention than do the roses? On the other hand, when such beautiful and tender roses as Ulrich Brunner, Mrs. John Laing, John Hopper and even La France can be successfully wintered with a little work, it seems to me that almost anyone would be well repaid for the little inconvenience necessary to success.

I do not believe that there will ever be a flower to take the place of the rose. When people who can afford it will pay in the winter time from $3 to $15 for a dozen fine rose blooms there must be something about these flowers which elevates them in the estimation of most people, and I believe if the roses were as scarce in the summer as they are in the winter most people would not accept a substitute, and that those who can afford it would buy them in preference to others. Chicago is called the Garden City and she deserves that name from the love which all Chicagoans have for trees, plants and flowers—if it were not so how could she maintain her right to be called that name?—for of all the cities noted for the easy culture of flowers Chicago is a long way from the first.

The following kinds of roses may be considered perfectly reliable and have stood the test of our Chicago winters for a number of years, with protection: Gloire de Margottin, Louis Van Houtte, Prince Camille de Rohan, Mme. Geo. Bruant, Mrs. John Laing, Ulrich Brunner, Alfred Colomb, Marshall P. Wilder, Anne de Diesbach, Mabel Morrison, Baroness Rothschild, Gen. Jacqueminot, Earl of Dufferin, Grace Darling, Victor Verdier, Fisher Holmes, Pæonia, Magna Charta, John Hopper, Mme. Plantier and La France.

Dependable moss roses are Blanche Moreau, Crimson Globe, John Cranston, Countesse de Murinais, Luxembourg, Henry Martin and Princess Adelaide.

All of the forgoing kinds, and many more, may be seen at the new rose garden in Washington Park and all are expected to be in bloom by June 10. The Jackson Park rose garden does not contain quite as many varieties, but the plants are exceptionally fine this season.

EDWIN A. KANST.

DENDROBIUM NOBILE WITH 1,300 FLOWERS.

(Grown by Wm. McAllister, gardener to Mrs. J. C. Whitin, Whitinsville, Mass.

The Chicago Exhibition.

Preparations for the November exhibition at Chicago are watched with interest, for it is to be a joint affair of the Chrysanthemum Society of America and the Horticultural Society of Chicago, the first step toward a national chrysanthemum exhibition. The showing of chrysanthemums, both cut blooms and plants, will be under the auspices of the national body, the local society concerning itself with the miscellaneous plants, the carnation and rose displays, the floral arrangements and other features. For twenty-five blooms of chrysanthemums the premiums will be $15 and $12, there being two classes for yellow and two for pink, Major Bonnaffon and Viviand-Morel being used as color standards in the same fashion that Scott has been long used as the color line in classes for pink carnations. The same color division will apply to classes for six blooms, where the premiums are $3 and $2. In the classes for twelve blooms the premiums are $6 and $4. In all these classes only varieties certificated by the C. S. of A. subsequent to 1897 are admissible. There is a class for 100 blooms, one or more varieties and colors, arrangement as well as quality to count, in which the three premiums aggregate $130, and $75 is set aside for vases of 100 blooms in which no flower is to exceed four inches in diameter. There is liberal provision for anemone and pompon varieties and collections of French and English sorts will be given classes. There are six classes for new varieties, exhibits to be eligible for certificates, also to the competition for the S. A. F. silver and bronze medals. The premiums for chrysanthemum plants already announced amount to $465.

In miscellaneous plants $85 is offered for three standard geraniums, $65 for fifteen geraniums in not over 10 inch pots, $40 for the best collection of orchids, $60 for the best collection of ferns, $50 for six araucarias, $50 for three cosmos, $30 for five Gloire de Lorraine begonias, $140 for collection of stove plants and $60 for best display of flowering plants other than chrysanthemums, while the miscellaneous plant premiums aggregate $734.

In roses the best fifty Beauties will receive $40, with $25 for second and $15 for third premiums. For seventy-five Liberty the two premiums amount to $60 and for 100 Golden Gate, Bride, Bridesmaid and Kaiserin the premiums are $32 in each class. There are also classes for forty blooms with premiums of $6 and $3 and a silver cup is offered for a new rose. In carnations there are thirty-one classes with premiums of $4 and $2 and ten classes for 100 blooms with premiums of $10 and $7, besides classes for seedlings.

There are many special premiums and others will be announced later. Those who wish copies of the preliminary premium list can procure them by addressing the assistant secretary of the Horticultural Society, Edwin A. Kanst, 5700 Cottage Grove avenue, Chicago.

Planting Out Dahlias.

Dahlia roots can now be planted safely over the greater part of the country, although it is better not to plant too early. We always get much better results from roots planted between May 15 and June 1 than from those planted earlier. Where it is possible it is much better to make at least two plantings.

The soil is of little importance, as dahlias, like corn or potatoes, will grow well anywhere if given sufficient nourishment and good culture. Of great importance, however, is the condition of the soil. My preference is a good heavy sod, with no manure, except a little pure bone meal. Too much manure has always been the chief source of failure in growing dahlias, especially when planted early. If sod land is not available, any soil will answer, but it should be thoroughly prepared and a light dressing of bone meal applied.

The objection to using land too rich is that the plants become overgrown and are soft, with the result of blasted buds and small or one-sided flowers. The chief object in dahlia growing is to get fine flowers and lots of them. This we have always done by getting the bloom on small, well-grown plants and when the plants are once blooming well we feed

them heavily to produce the large, long-stemmed flowers.

Selection of varieties is very important although not so much so as some years ago, because growers and dealers have become more interested and consequently better educated in dahlias. In ordering dahlias from any reliable house and asking for the best for any particular purpose, one is pretty sure to get what he wants. Roots that are wanted for later planting should be kept in a cool place sufficiently dry to keep them dormant.

I would caution every one against planting too closely. The rows should not be closer than four feet and if the soil is rich, still farther apart. Eighteen inches to two feet apart in the rows, according to variety, is plenty close, while three to four feet is required on heavy soil if specimen plants are wanted. By planting too closely less flowers will be had than if planted the proper distance, and the quality will suffer also.

Dahlia plants raised from cuttings will in most cases give equally as good results as roots and in some cases much better. These can be set at any time after it is safe to plant out tomatoes and will require only the same good treatment necessary for all plants.

It is best to divide large roots before planting but, whether this is done or not, too many shoots should not be allowed to remain. For best results not more than two shoots should be allowed from each root, while one is better.

W. P. PEACOCK.

Plants in Design Work.

While the use of plants in filling baskets has received considerable attention of late, there need be no alarm among cut flower producers that the practice will become general and result in injury to the cut flower interests. It should be the aim of every florist to produce effects not only beautiful but which shall be reasonably durable, but too few of them realize the opportunities which the use of growing plants afford to endanger the usefulness of cut stock in floral pieces. Still there is a continually increasing use of small plants in such arrangements, not only in baskets and so forth, but in wreaths, pillows and the general run of funeral pieces. Such pieces are a novelty and take well, for one reason because the man who has begun to use plants, only through the demand made for something durable, is compelled to allow each plant to assert its individuality because he cannot chop them up. We are beginning to learn that when we cut up stock and use it in the ordinary way, we not only render it more perishable but we fail to make it look natural. On the other hand, the arrangement of potted plants often leaves something to be desired. It needs the finishing touch of a little cut stock.

Small ferns have been used for these arrangements, but not to the extent they should be and not as large in size as is advisable. There is usually a prejudice against old clumps of adiantum, but where they are divided and started in 3-inch and 4 inch pots they produce long-stemmed fronds as well as some shorter ones. Euonymus variegatus is as easily grown as English ivy, and with its long, drooping branches of white and green it is invaluable. These and other plants should be arranged for now, so as to receive their spring and early summer growth in the pots. Florists who have greenhouses cannot afford to neglect this provision.

WREATH LARGELY COMPOSED OF PLANTS FROM POTS.

The accompanying illustration shows a wreath made in this way. The pots of adiantum and baby primrose were packed with moss, covering one-half, while the other half was of euonymuses, with the large fronds of cibotium fastened in with rubber-capped glass tubes filled with water. The camellias and lily of the valley and one spray of orchids (vandas) were fastened on toothpicks, as was the Asparagus decumbens, which is a good keeper. The packing of these plants with moss is easily and quickly done and you will be surprised often to see how well they look before the finishing touches are put on. C. B. W.

New York.

HOT WAVE RESULTS IN PRECIPITATE DECLINE IN GRADES AND PRICES.—ROSES SUFFER WORST.—CARNATIONS DO BEST.—OUTDOOR BULBOUS STOCK PILES UP—ARBUTUS IS WELCOMED.—OUTING COMMITTEE HAS TICKETS READY.—VARIOUS NOTES OF LOCAL AND PERSONAL DOINGS.

The hot weather arrived at New York on schedule time and with the thermometer at 90° in the shade the effect on cut flower production and cut flower sales can be easily imagined. Roses went downward with a rush, downward in quality and downward in demand. Violets went to pieces completely and bulbous material from outdoors came piling into the market. Cooler weather is already in sight at time of writing, with the prospect of a considerably reduced cut in greenhouse material. Carnations, on the whole, have been doing very well, and so has lily of the valley, but the outdoor crop of the latter is now due and values will suffer, as usual. Lilies are still very plentiful. Sweet peas are coming in quite heavily and are selling lower. Trailing arbutus is a favorite stock with the street vendors just now, who are glad to take these favorite spring flowers instead of violets for corsage wear.

The outing excursion committee announce that they will have tickets for sale on and after Monday, April 28, to members of the New York Florists' Club who propose going to Witzel's Point Grove on July 7. The steamer Isabel, which leaves the dock at foot of East Thirty-first street, has been chartered.

Louis Schmutz, who has been confined

to his castle in Flatbush for the past two months with a stubborn attack of rheumatism, is once more able to get out.

Julius Roehrs is laid up at his home in Rutherford, the result of falling from a trolley car near his residence. His injury is not considered serious, however.

Mrs. L. Wheeler, wife of the popular manager of Vaughan's Seed Store, has fully recovered from her recent illness.

A. J. Guttman is about to open a branch store at 49 Broad street, between Exchange Place and Beaver street.

The Rider-Ericsson Company has removed from Cortlandt street to 35 Warren street.

Alfred Gibbons, brother of Henry W. Gibbons, is now with the Gilbert Elliott law firm.

Young & Nugent have erected two attractive signs over their new extension.

Chas. Loechner sailed for Europe April 22, on the Kaiser Wilhelm.

Visitor: A. Fahrenwold, Roslyn, Pa.

Chicago.

LARGE SUPPLIES OF STOCK WELL CLEANED UP.—SHIPPING TRADE BRISK.—GREATEST ACTIVITY AT THE ENDS OF THE WEEKS.—HOT WEATHER MAKES FLOWERS SOFT.—SPRING FLOWERS IN FROM THE SOUTH.—LOCAL RETAILERS NOT VERY BUSY.—FLEISCHMAN DENIES A RUMOR.—CLUB HOLDS INTERESTING SESSION.—WASHBURN PRAISES ASHEVILLE TRIP.—DOINGS OF GROWERS AND RETAILERS.

The market situation continues fairly satisfactory. While there have been large supplies of stock for the past two or three weeks, things have been cleaned up in pretty good shape right along. It has come to pass that the middle of the week is quiet, as regularly as the weeks come 'round, with increasing activity toward Saturday and decreasing demands with Tuesday. Shipping trade consumed everything in sight up to Monday and has been cleaning things out well in the last day or two. The extreme heat Monday and Tuesday caused a surplus of soft flowers, particularly roses, which popped open so quickly under the influence of the unexpected hot weather that the greenhouse men were unable to catch them in time. This wide open stock, of course, was moved with difficulty, at very low prices if at all. Since the rain Tuesday night conditions have been more normal, although there are still large supplies of roses and colored carnations. The particular demand has been for white flowers, especially white carnations, and on these it has been impossible to supply all orders. Red and pink have been above the demand and selling very cheaply in large lots. There is not much bulbous stock in the market, except callas and Harrisii. Of these two latter items there have been more than the market could assimilate. Violets come along as usual, while the quality continues good in spite of the warm weather, and they are selling fairly well. There is an active demand for greens, but all calls are supplied, smilax having become more plentiful than last week. This commodity is so easily shipped from a distance that the report of scarcity in this market invariably means large receipts within the next two or three days. Local trade has not been particularly good since Easter and various causes are assigned, Samuelson attributing it to the fact that fashionable people are leaving the city earlier and earlier each season; in fact it is noted that the houses of some of the best flower buyers in the city have been closed most of the time the last year.

There was a good attendance at the Florists' Club meeting April 23. Routine business having been disposed of G. E. Anderson presented his paper on rose culture, which will be found elsewhere in this issue. In the discussion which followed Frank Benthey advocated aphis punk for fumigation in preference to tobacco stems, the latter having a tendency to bleach the flowers. Several speakers complained of the short stems of Liberty, and President E. F. Winterson declared that for a considerable time past the wholesalers had not been able to meet the demand for blooms of this variety with good stems. George Collins, grower for Peter Reinberg, said Liberty is a grand rose and he will grow more of it next season. He prefers grafted plants. Benthey & Co. exhibited a fine vase of American Beauty roses, and vases of Golden Gate, Bride and Bridesmaid from Sinner Bros., were of high quality. The prizes of the evening were awarded the exhibitors in the order named. The Chicago Carnation Co. displayed a large vase of very handsome blooms of Mrs. Potter Palmer carnation. A vase of flowers of the Barberton daisy, Gerbera Jamesoni, from A. Herrington, Madison, N. J., attracted marked attention and many of those present predicted that the plant would prove a valuable acquisition.

Fleischman has had a very handsome vase of Mrs. Potter Palmer carnation in his window this week, where it attracted much attention from fashionable ladies. In this connection a letter received from Joseph Fleischman, president of the corporation, may be of interest. He says: "Rumors have been circulated to the effect that we intend discontinuing our business at 181 and 183 State street. I wish to contradict such rumors as being untrue. It certainly must be known by this time that the success of the business is without question and we hope to continue to do business at the old stand for a long period."

Albert Fuchs has taken out building permits for three big apartment houses on the north side, the estimated cost of which is $90,000. Since Mr. Fuchs' retirement from the florist business and his European trip he has been touring the country as manager for his wife, Fannie Reichter-Fuchs, the virtuoso, and it seems that music must have paid.

C. L. Washburn and Mrs. Washburn reached home Tuesday evening from North Carolina. Mr. Washburn says that Asheville is certainly one of the most beautiful spots he has ever visited and that aside from every other consideration the scenery there will amply compensate one for attending the S. A. F. meeting next August.

John Mangel is redecorating his new store in the height of modern fashion. He says that up to the time alterations were began trade was practically as heavy as it has recently been at his State street corner, and the rent in the new stand is so much less that it makes him smile at the contrast.

Peter Reinberg shipped out 10,000 carnations, 2,000 roses and 300 long Beauties to one customer yesterday, but this is nothing unusual for them. Several times recently they have sent out 25,000 carnations, 10,000 roses and 500 long Beauties on one order.

Henry Phillip is approaching the end of his first season as a rose grower, and has met with such excellent success that he is putting up two more houses 30x200 at his place at Rogers Park, to be planted with Meteors. John Muno, his father-in-law, sells his cut.

H. C. Rowe, until recently with J. C. Schubert & Co., has opened a very neat store at 35 Monroe street, almost across the street from Mangel, only a few doors from A. Lange and just around the corner from Fleischman.

Charles P. Hughes has resigned his position at Deamud's and will now devote his attention to the development of the home greenhouse business at Hillsdale, Mich.

Frank Garland is planning to plant Norway carnation for best white next year. He says that his smilax house has been one of his best money makers this season.

Wietor Brothers will plant a couple of houses with Ivory rose this year and have 5,000 young plants in fine shape and ready for the bench.

The growers have all been busy planting carnations since Tuesday evening's rain, although it was not quite as heavy as they wished.

The South Water street produce commission men are handling more or less spring flowers from the south, at so much a box.

Kennicott Bros. Company says that the first arbutus was snapped up eagerly but that now only the choice stock moves well.

Reinberg & Weiland are sending up a very nice cut of Beauties from New Castle these days.

The McKellar & Winterson Company is receiving some fine double narcissi.

Visitors: J. H. Sievers, San Francisco; L. C. Chapin, Lincoln, Neb.

Boston.

FLOWER BUYERS REFUSE TO PAY FOR FANCY GOODS.—MEDIUM GRADES LARGELY PREFERRED.—TOO MANY GOOD ROSES AND NO SURPLUS OF CHEAPER STOCK.—SPRING MAKES ITS APPEARANCE IN THE PARKS.—EARLY BLOOMERS ARE OUT.—HIGHWAYMEN ARE ACTIVE.—VARIOUS NOTES.

The most noticeable feature of the present condition of the flower trade is the widespread discrimination in favor of the medium grades of roses as compared with the fancy selected stock. The large proportion of the latter on the market and the light demand therefor would seem to indicate that the rose growers are actually getting "ahead of the game" and that the cultural abilities of the commercial growers are outstripping the intelligent appreciation of the common people. The demand in the aggregate is good and doubtless more money is being exchanged for flower product than ever before under corresponding circumstances, but, whether in local or out-of-town trade, it is very marked—this disproportionate demand for medium grade roses, and the curbstone peddlers go even further and display an insatiate appetite for the lowest grade goods, notably Meteor and Liberty, the color of which seems to be a winning card in the present frame of mind of the buyers. Carnations enjoy a normal demand and violets, although in imminent danger of annihilation by warm weather, are still doing nicely. In bulbous material lily of the valley is the only item holding its own.

Spring is coming on apace and with the earliest season for many years on their hands the nurserymen and seedsmen are making an unprecedented hustle. The parks and boulevards are beginning

to look very attractive already, forsythias, magnolias and Prunus tomentosa being in full flower, and Prunus pendula, Pyrus Japonica and other early subjects are ready to burst into bloom. Mr. Pettigrew has made some very extensive plantations of English and American beeches, oaks and cedars. The general idea of the park planting is to have the borders pretty thickly wooded, leaving the meadows entirely open. For fringing the woodlands many cornuses, red buds and sassafras have been used. Where oaks, beeches or other permanent trees have been planted they have been thickly interspersed with birches, etc., as "nurse trees." The public garden is ablaze with numerous gay beds of tulips, hyacinths, daffodils, daisies, pansies, etc., and the walks are crowded daily with admiring throngs.

There appears to be an epidemic of robberies and assaults here at present. On Monday evening Joseph Gleason, of the Schlegel & Fottler Co., was sandbagged and badly hurt in front of the Northern Union Station. On Friday of last week Lawrence Cotter was "touched" for $132, and it is reported that Bert. Pierce, of Waverley, was also a recent victim.

W. E. Doyle will do business, during the summer, only at his Boylston street store. The building on Tremont street in which he has been located for many years is to be torn down. In the fall he will open a fine establishment at the corner of Beacon street and Tremont place.

G. C. Eldering, of W. J. Eldering & Son, formerly Eldering Bros., is in town interviewing the dealers on the subject of Dutch bulbs and incidentally making friends for the new firm by his suave manner.

Lawrence Cotter has resigned his position at the Whitton place and will give his attention hereafter exclusively to the Galvin Greenhouses which he leased some months ago.

W. A. Prosser rejoices in the acquisition of a son and heir. William, Jr., arrived April 17.

John H. Cox has taken a position with Aitken & Co., at Springfield, Mass.

Visitors: C. H. Joosten, New York; Walter Mott, Jamestown, N. Y.

Philadelphia.

CUT FLOWER STOCK ABOUT AT THE AVERAGE FOR THE SEASON.—HEAT INCREASES CUT AT EXPENSE OF QUALITY.—PRICES DROP A NOTCH.—GREEN GOODS FROM THE SOUTH.—TRADE STIMULATED BY SPRING WEDDINGS. — BULBS IN CITY PARKS.—PALM GROWERS BUSY.

The stock of cut flowers now coming in is about the average of that generally seen at this season. Beauties are in full supply; in fact, there are more than the market will take handily and $3 per dozen is now the price of the specials, but anything like a quantity can be bought for much less. Bridesmaids and Brides range from $8 to $10 per hundred, but to get the better price the stock must be first class. Kaiserins are looking up and some very nice flowers have been seen the past week. Carnations are still fine, although the light pinks show the effects of the strong sun and are commencing to bleach out a trifle. Prices hold well; $2.50 to $4 is the price for good stock. Lawson is now exceptionally fine, better than it has been all winter. Violets are almost over. What are coming in now are very sweet; 50 cents to 75 cents is the price. Valley is in good demand at from $3 to $4. A. Pennock, of Lansdowne, has a brand that is hard to beat. It stands stiff and erect until it is done for, while that of so many growers soon gets soft and wilts badly if exposed to a draft or in a warm room. Hartley, of Chestnut Hill, has some nice snapdragon which adds variety and sells well at 50 cents per dozen sprays. Business still keeps up, there being a good many weddings. The past few days have been unusually warm, the glass registering above 60° all night and getting well up above 80° through the day. This is a record-breaker for April in this locality.

Some good Asparagus plumosus is now shipped here from the south; in fact, from as far down as Florida. So we are told by S. S. Pennock, who handles it. We see no reason why this business will not increase, and if it does it will settle the question of the green goods supply, as going over a 100-foot house, picking one spray at a time, is not to be compared to a man with a sickle in a three-acre field. Smilax has been very scarce lately. Would not this grow outside as well? The present price is 20 cents to 25 cents for short strings.

The public city squares have been resplendent the past week with their displays of hyacinths and tulips. The blooms are certainly fine and attract great attention. H. F. Michell has supplied the bulbs the past few seasons and they are certainly a credit.

There has been quite a movement in palms the past two weeks, all the large growers having shipped a great deal of stock. In some cases this has gone to fill up the spaces in the houses made by the sales of Easter stock. K.

Cleveland.

TRADE HOLDS UP IN SPITE OF COMPETITION OF CHEAP SALES.—FAKIRS MAY PROVE AN EDUCATOR.—STOCK GOOD BUT CARNATION CUT FALLING DOWN.—MUCH STOCK GOING INTO THE FIELDS.—SEEDSMEN VERY BUSY.—NOTES.

Business still maintains its old-time swing and everything is moving along nicely. While the demand is steady, a great many flowers, principally roses and carnations, and good ones, too, find their way into the street fakirs' hands. Yet, for all the grumbling one hears, no appreciable harm is done by these gentry, even if they do sell good roses six for a quarter. In fact, the writer is inclined to believe they are educators, like Wanamaker, of Philadelphia. When Wanamaker started to sell flowers a great howl went up from the Philadelphia store men. Wild claims were made that their business would be ruined, prices would be cut so it would be impossible to meet the ruinous competition. But, lo and behold, the Philadelphians are selling more plants and cut flowers now than they ever did and getting just as good prices, if not better. It is just the same way in Cleveland. The more the street fakir sells the greater the demand in the stores. The people are becoming more and more educated to the love of flowers, and when they cannot get them on the streets they invariably patronize the stores. So, taking it all in all, the street fakir in time may prove a blessing in disguise. The quality of the stock coming into market is all that can be desired. Carnations are becoming a little scarce, owing, I suppose, to a good many florists making room for spring stock. Single violets are about over and the double ones coming in from other states are losing size and color. Outdoor bulbous stock is becoming plentiful. Large quantities of single Von Sion and Golden Spar are coming in. Tulips will be with us in a few days.

Carnation planting is under full swing now and if one may judge from the quantities being planted a large increase in the cut flower production may be looked for next season. The fine weather has started the building bee buzzing, and when one florist happens to meet another the first question is, "How many geraniums will you have for Decoration day?" and the next one, "How many feet of glass are you going to put up this year?" And so it goes, from year to year, with the end not yet in sight.

The seedsmen all report a great rush in the seed line. Nothing like it was ever known in Cleveland. Mr. Brinker, in his remarks before the Florists' Club recently, said some lines of seed were sold out entirely over a month ago. He claims it is all due to the prosperous condition of the people throughout the country and that farmers and truckers are making preparations for a record breaking season of prosperity.

A most unique floral design was executed by one of our leading concerns this week. To the designer and the party ordering it, it proved a gratifying success, but to the uninitiated it was a mystery. It was a section of water pipe.

ECHO.

St. Louis.

TRADE SHOWS LITTLE CHANGE.—STOCK PLENTIFUL AND PRICES VARIABLE.—BEAUTIES BRING GOOD FIGURE.—FINE SWEET PEAS.—ENGLEMANN BOTANICAL CLUB CONDUCTING A SEED DISTRIBUTION.—PRIZES FOR YOUNG GARDENERS.

The market is very much the same as last week, except that stock is a little more plentiful. The prices vary some, roses running from $8 for the best down to $1, or even less when sold in large quantities. Some very fine American Beauties are coming in and bring as high as $3 to $4 per dozen, but considerable short stock is also to be had at a low figure. Pink carnations are more plentiful than other colors and there is just about enough white to supply the market. Violets are beginning to get shabby and will not last much longer. As roses and carnations are so cheap there is practically no call for bulbous stock. Some very fine sweet peas are being sent in now by H. Ude, for which as high as $1 to $1 50 per hundred is received. Sweet peas are running very irregular in quality.

The seed distribution that the Engelmann Botanical Club has started is becoming quite an important adjunct towards beautifying the city. There has been sold to the school children some 30,000 packets of flower seed up to date and as many more are expected to be sold before May 15. The club has prepared an envelope with the names of sixteen different kinds of flowers that are easily grown and they ask 1 cent for this envelope and 2 cents a package for the seed. On the back of the envelopes are instructions for planting a garden. The club expects to sell about 100,000 packets this year before the season closes. A number of diplomas will be given in the fall to the children who have kept their gardens the best and are to be signed by the mayor and Dr. Wm. Trelease, the honorary president of the club.

Mrs. H. G. Berning is back at her desk again and is looking considerably better than she has for some time. R. J. M.

THE AMERICAN FLORIST

SEVENTEENTH YEAR.

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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-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., Chicago.

WE are in receipt of a box of excellent arbutus (Epigæa repens) from C. W. Sibley, Athol, Mass.

THE hail losses have not been heavy thus far this season, but last year the Hail Association met its heaviest claims in June.

SOME pansy blooms received from I. E. Coburn, Everett, Mass., are of high quality, showing great variety of coloring.

THE Belgian window glass blowers are on strike, home production is not ahead of the demand, there are small reserve stocks and further advances in prices are assured.

The Best Out.

ED. AM. FLORIST:—Your style of setting up advs. is the best out. Thanks for your attention.

H. H. BERGER & CO.

New York.

Another Double Lily.

ED. AM. FLORIST:—I noticed in the last issue of your paper a picture of a double longiflorum. We have the same thing at present on our place. It is a perfectly double flower, almost as large again as the ordinary bell. One can expect almost anything from the "Japs" this season.

ISAAC KENNEDY.

A Correction.

ED. AM. FLORIST:—I see that in printing my paper in a recent issue you have given it the title "Practices of Nurserymen." This conveys an impression which I did not intend. The title as I had it was "Various Fraudulent Practices I Have Encountered in the Nursery Trade."

H. J. KOEHLER.

Large Pipes for Steam.

ED. AM. FLORIST:—We are planning the erection of a three-quarter-span house, 17x140, east and west. We have on hand a lot of 3-inch pipe. Could it be used for steam, using one flow overhead, as necessitated by the fall, with the returns under the benches? If it can be used, how many pipes will be needed?

C. & A.

Large pipe is less economical than the smaller sizes, but this might be more than counterbalanced by the saving in the cost of the piping. In addition to the flow pipe, two or three returns should be used, according to the temperature desired.

L. R. TAFT.

Size of Flow Pipe.

ED. AM. FLORIST:—How large a main flow pipe would be required to supply steam to a range of 30,000 square feet of glass, the boilers being 400 feet from the greenhouses and carrying five and ten pounds pressure respectively? A temperature of 60 is required in zero weather.

R.

If used at the pressure named a 6-inch main would be needed, but if the boilers are safe to carry forty or fifty pounds pressure a 4-inch main would answer. After reaching the houses the steam pressure could be reduced to from one to five pounds according to the weather.

L. R. TAFT.

Greenhouse Building.

So. Sudbury, Mass.—H. H. Rogers, range of carnation houses.

Baldwinsville, Mass.—W. P. Lund, cucumber house 20x130.

Red Bank, N. J.—J. H. Becker, range of vegetable houses.

Concord, N. H.—Boston & Maine Railroad, propagating house.

Media, Pa.—Miss Phoebe Baker, house 22x140.

Phillipston, Mass.—Chas. H. Stewart, house 50 feet long.

Weymouth, Mass.—John Streilerd, one house.

Montrose, Mass.—N. F. McCarthy, house 40x500.

Doylestown, Pa.—John Andre, two houses.

Benton Harbor, Mich.—Eldred, Sykes Company, three houses 14x50.

Jamestown, N. Y.—Lakeview Rose Gardens, six 330 foot houses; one 250-foot house.

Size of Boiler.

ED. AM. FLORIST:—What size of boiler, how long and how wide, will be required to heat a range of four cut flower houses 15x120 in Ontario. How many tubes should the boiler contain? Should they be 2-inch or 3 inch?

B. B.

The data furnished is not sufficient to admit of very close figuring as even though the length and width of the houses is given they might vary fifteen to twenty per cent in the amount of glass they contain. There might be an even greater difference in the heat required according to the kind of crop to be grown. However, it is not likely that any of the houses will require more than 600 square feet of radiation and on that basis it would be safe to select a thirty horse-power boiler. This should have a length of ten feet and a diameter of three and one-half feet, and would contain about forty 3-inch flues.

L. R. TAFT.

Wants Convention in California.

H. H. Lilienthal, state vice-president of the Society of American Florists for California announces an increase in the membership of the organization since January 1. The aggregate increase in California for that time is over 300 per cent.

He has addressed an official circular letter to the leading growers and dealers throughout the state advising united action and closer co-operation among all engaged in the production and sale of horticultural commodities.

The circular calls attention to the necessity of co-operation among raisers of flowers, plants and bulbs and refers to the work accomplished by the Society of American Florists in its eighteen years of existence. Mr. Lilienthal seeks to induce the national organization to hold its annual convention in his state with the view of "giving greater prominence to California's generous endowments as a prolific seed, vine, fruit, floral and horticultural region."

Begonia Gloire de Lorraine.

ED. AM. FLORIST:—We have good success with most flowering plants, such as cyclamens, cinerarias, genistas, primulas and begonias, but Begonia Gloire de Lorraine does not seem to thrive with me. It is shy with wood but is fairly well flowered. Could you give me a hint or two as to soil, temperature and propagation, whether cuttings or divisions? Would the muck from a peat bog and fine charcoal be good for them?

B.

Begonia Gloire de Lorraine "does not seem to thrive" during February and March, and even during April, with most people. During these months it makes little growth but an abundance of flowers. No nice young growth can be obtained for propagating until May and June. At this season the plants begin to grow from the bottom and these young tops root very readily in May and June and, under proper conditions, grow rapidly through June, July, August, September and October. A cutting struck in June if kept shifted as required during the summer will be a fine, bushy plant in a 6 inch pot by the first of November, at which time the plants begin to set buds and become one mass of flowers by the end of November and continue in this abundnt bloom through the holidays and up until the first of March. We use ordinary rose soil for them, with the addition of one-eighth well-rotted leaf mould. We shade them slightly during the hot weather and give them an abundance of air during the summer months. During the winter we keep them in a night temperature of about 60°. We do not think muck from a peat bog good material for them, but charcoal either used as drainage or mixed in the soil would be all right.

ROBERT CRAIG.

Blight In Geraniums.

ED AM. FLORIST:—In the latter part of last summer my geraniums in two large beds were attacked by a blight, double and single Gen. Grant the worst, and S. A. Nutt considerably, so I had a poor lot of cuttings last fall, but they recovered nicely in the house. Now I have about 250 in 4 inch pots, very thrifty looking, but the blight is showing again on a few plants, which I have separated from the rest. As I need the stock badly I am alarmed and would be very glad indeed to learn of a remedy. The temperature is 50° at night, with 10° to 15° higher in the daytime. The geraniums are in a corner of a 100 foot house, with carnations on the same bench. Scott and Crane are fine but Meteor, Mrs. Lawson and Armazindy make a poorer show. There is also a little patch of Campbell violets in the house, just 100 plants, from which I picked from November to March 1, 5,300 flowers, and the crop promises to continue well into the spring. I have not much experience at violet growing but I think this is doing pretty well.

J. C.

The afflicted geraniums are attacked with a fungus growth, judging by the description given. Geraniums in widely separated sections of the country have been affected with this same disease. It is the opinion of those having had this

trouble that the only way to get rid of it is to destroy all plants infected and use new stock. I would advise the use of Bordeaux mixture as a trial if it is deemed best to attempt to clean the affected plants. Personally I have little faith in anything being done to rid the plants of the disease. We have had stock shipped to us diseased as mentioned above but we always destroy or return the same to the shippers. E. G. HILL.

[The foregoing answer applies also to the query and samples forwarded by "G. T. W."—ED.]

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (six words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1902 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—By thoroughly experienced rose and carnation grower, capable of taking charge. Married, good references. Address F. MILLS, Menlo Park, Cal.

SITUATION WANTED—Steady, by sober industrious man, 11 years in America, grower of cut flowers, plants, etc. Address, with offer, WILL, care American Florist.

SITUATION WANTED—As foreman by thoroughly practical florist. Good decorator, designer, etc. Grower of No. 1 roses, carnations and 'mums. First-class commercial or private position. Good wages expected. Address G. FOREMAN, care P. O., Canton, O.

SITUATION WANTED—By a competent florist; grower of first-class roses, carnations, 'mums, violets and general greenhouse plants; 25 years' experience. Want position as foreman. Can manage men with success. Best of references; strictly temperate; expect good wages. Address C H W, care American Florist.

WANTED—Florist for general greenhouse work. Good wages. Address FRANK BEU, 2780 N. 40th Ave., Chicago.

WANTED—Young man to learn greenhouse business or one with slight experience. GASKILL'S GREENHOUSES, Warren, Ohio.

WANTED—One rose grower, two helpers for rose section and two for general greenhouse work. J. F. WILCOX, Council Bluffs, Iowa.

WANTED—Rose and carnation grower and one good designer and decorator. State experience and wages. W. A. DUKE, Danville, Ill.

WANTED—Experienced assistant gardener for all-around work. State wages wanted with board. J. GEIST, 84 Grove street, Melrose, Mass.

WANTED—Capable man to take charge of 3000 feet general stock—or will sell right. No competition. State experience and wages wanted. W. J. OLDS, Union City, Pa.

WANTED AT ONCE—Capable man for general greenhouse work. Must be experienced; $20 month with board. Steady place. In Illinois. W T A, care American Florist.

WANTED—At once an experienced all-around florist; German preferred; $30 per month with board. MRS. CHAS. DUNTZE, 1989 Madison Ave., Memphis, Tenn.

WANTED—Competent man for store. Good decorator and designer. Send references and state wages. Address CENTRAL GREENHOUSES, Sandusky, O.

WANTED—A good florist to grow roses, carnations, 'mums and general stock. $30 00 per month; board and room. State age and references. C. HUMFELD, Clay Center, Kans.

WANTED—First-class rose grower to take charge of section. Best references required as to ability, character and sobriety. State wages expected when writing. J. HENRY BARTRAM, Box 5, Lansdowne, Pa.

WANTED—A first-class Beauty grower, married man preferred. Will pay good wages to right man. If satisfactory will give full charge of establishment. JNO. MUNO 51 Wabash Ave., Chicago.

WANTED—Rose and carnation grower, to take charge of 20,000 feet of glass. Must be well recommended. State wages wanted with board and washing, also age. Address JOHN L. WYLAND, De Haven, Pa.

WANTED—A good man for my retail store. Must be a good salesman and designer and of pleasing address. References wanted; in answering state experience and wages expected. Address E. J. BOLANZ, Akron, O.

WANTED—To lease for not less than 3 years, by a practical grower of 20 years' experience, a place of from 5,000 to 15,000 feet of glass in good condition. West of Denver preferred. Address H C, care American Florist.

WANTED AT ONCE—A first-class rose, carnation and violet grower. Dwelling close to greenhouses and good wages to right man. Young married man preferred. Address, giving references, J. R. FREEMAN, 612 13th St. N. W., Washington, D. C.

WANTED—Competent store man to take charge of a first-class store. Must have the very best of references as to ability and qualifications. Address, stating salary expected, THE GRANT-WILSON FLORAL CO., 480 Prospect St., Cleveland, O.

WANTED—Gardener to care for garden, lawn and greenhouse, cow and horse. Must be experienced and capable. Wages $30 per month with board and room. Address, giving nationality, age, experience and references. G. E. DILEY, Palestine, Texas.

WANTED—Greenhouse assistant, some experience with bedding; wages $20 per month with board and room. Must be steady and reliable. A good place for right man. Answer at once with full particulars. Address H. LORIN GEORGE, Pittsburg, Pa.

WANTED—We have a good chance for a thorough, first-class grower who wants to enter business for himself, to take charge of a new range of glass devoted to growing roses, carnations and palms for the retail store. This will bear close investigation. Address G W, care American Florist.

WANTED—Florist to take charge of 10,000 feet glass. Must understand roses, carnations and general greenhouse stock. State wages expected and give references. This will lead to further advancement, as new block of houses are soon to be erected. Party must be able to come at once. Address THE GRANT-WILSON FLORAL CO., 606 Jennings Ave., Cleveland, O.

FOR SALE—Good second-hand greenhouse material. L. A. WEELOCK, Ovid, Mich.

FOR SALE—Prosperous, up-to-date, growing florist business; established 12 years. Address for particulars, MRS. S. N. ALKIRE, Greenview, Ill.

FOR SALE—6,000 feet of glass well stocked, house, etc. All O. K. and in good order. Bargain; terms easy; other business. Address Box 53, Decatur, Ill.

FOR RENT—Greenhouses and 14 acres of land with good dwelling and good water supply, without extra expense for rent. Enquire of T. H. WRIGHT & CO., Ft. Dodge, Ia.

FOR SALE—Twenty miles from Boston, five acres level, fertile land, suitable for florist or market gardener. Five minutes from station. L. G. BISSONETTE, 1150 Columbus Ave., Boston.

FOR SALE—At a bargain, greenhouses, 25,000 feet of glass, land and good dwelling house, barn, etc., in best of condition and well stocked; near Chicago; owner going into other business. Address H G, care American Florist.

FOR SALE—A well established up-to-date florist and garden business in a wide awake western city. This will pay you to investigate, if you are looking up a business for profit. Full particulars. Address T. L. EAGLE, Pittsburg, Kan.

FOR SALE—25,000 feet of glass; established 15 years, 8 miles from city hall, Chicago, dwelling house, barn, wagons, tools, etc., all complete and at a bargain. Right man could make price asked in one year. Address CHICAGO, care American Florist.

FOR SALE—Greenhouses in full operation, mostly carnations; 12,000 feet of glass, near station inside of Chicago limit. Good soil, plenty of young stock for planting out. Must be sold at once—very cheap. address E H, care American Florist, Chicago.

FOR SALE—Florist's business. Well established and doing a good retail business. Located in one of Chicago's wealthiest suburbs; 25,000 feet of glass well stocked for spring sales. For full particulars and price address E, care American Florist, Chicago.

FOR RENT—A prosperous retail and wholesale business; new houses complete; 15,000 feet of glass, 16x24; one acre of land, and dwelling; rent $60 per month; opposite Woodmere Cemetery gates; one mile from Detroit, Mich. Address ANTON KAIER, Woodmere P. O., Mich.

FOR SALE OR RENT—6,000 feet of glass, hot water heat; own water works; sale for all you can grow. Quick buyer can double price asked for stock in sixty days; terms easy; no trifflers. For particulars Address J. G. REYNOLDS & SON, 261 W. Pulteney Street, Corning, N. Y.

FOR SALE—Greenhouse property, situated within four miles of Boston Cut Flower Market, 5 minutes to R. R. Station and within 100 feet of two lines of electric cars. The property consists of 30,000 sq. ft. of land and contains one house 27x185 feet and one house 17x185 feet, 16x24 glass; both heated by a 35 H. P. steam boiler. Also one house 22x100 feet, heated by hot water. All the houses are well stocked with carnations, ferns, dracaenas and a large assortment of bedding plants. About all the stock sold at retail. For information, apply to GEO. A. SUTHERLAND, 34 Hawley St., Boston.

A RARE OPPORTUNITY

FOR THE RIGHT MAN.

Greenhouse establishment doing prosperous local retail and wholesale business in thickly settled, wealthy community. Owner forced by ill health to retire from active work, will sell or lease, or arrange for profit sharing with competent manager. Address **W. J. STEWART, 79 Milk Street, Boston, Mass.**

WANTED

A first-class store man. The advertiser wishes to open a first class store in one of our largest and most progressive cities, and would like to correspond with a competent florist who would like to invest a corresponding amount of capital. This is a No. 1 chance for the right man. Address, stating qualifications and the amount of capital you would be able to invest. F C, care American Florist.

$300 Per Month.

Do you want it? If so, buy me out NOW, at your own price. Good reasons. 15,000 feet. It costs you a postal card to have particulars.

C. S. FITZSIMMONS, Lansing, Mich.

For Sale at a Bargain

Greenhouses, 25,000 square feet of glass, all in good condition and paying well; within 20 miles of Chicago. Owner is going to retire from business. Address F S, care American Florist.

GREENHOUSE FOR SALE.

Built for Carnations in summer of 1900 of best of Cypress, benches 1¼-inch hemlock well furnished with everything needed; is 2 0 feet long, 20 feet wide. Also fine 2-story dwelling house and ell—12 rooms heated with hot water and hot air—fine bath room with hot and cold water. One of the best locations in center of town. Good stable, stone cellar with cement bottom. Address **S. W. P., P. O. Box 18, Billerica, Mass.**

FOR SALE Business including two new greenhouses, 50x25 feet, well stocked with all kinds of plants. Houses are built in the latest and most improved styles. Store fixtures including an elegant soda fountain and all pertaining to it. Stock of palms and confectionery, chairs and tables for ice cream parlor. Right in the heart of the business portion of city. Established 5 years. Am the only one in the business here—population 40,000. Reasons for selling, I want to go west to friends. Write for particulars. **L. O'Sullivan, West Superior, Wis.**

If you want to get the want you want to get, you want to get your want ad into the

AMERICAN FLORIST

Try it now.

Every advertisement represents a genuine want. It pays to answer them.

LILY BULBS

Rubrum. Auratum, Album, Giganteum, Single Tiger, Double Tiger. Close rates.

Gladiolus "1900"

NOVELTY. Very showy for cut flower work and florists' window decorations. Spikes 15 inches long, very strong grower, rich red color, three white spots on lower petal. Good substance lasting well after cutting. Successive plantings of this would secure fine window show the whole season. Per 100, **$3.75.**

GLADIOLUS Mixtures A good assortment.

Vaughan's Seed Store, New York. Chicago.

Wholesale Flower Markets

MILWAUKEE, Apr. 24.

Roses, Beauty, long, per doz.	3.00@ 4.00
" " med. "	1.50@ 2.00
" " short "	.50@ 1.00
" Liberty	6.00@10.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	4.00@ 6.00
" Golden Gate	4.00@ 6.00
" Perle	4.00@ 6.00
Carnations, ordinary	1.00
" fancy	2.00
Callas	8.00
Harrisii	10.00
Lily of the valley	4.00
Daffodils	3.00@ 4.00
Tulips	2.00@ 3.00
Adiantum	.75@ 1.00
Smilax	18.00@20.00
Asparagus	65.00
Common ferns	.25

PITTSBURG, Apr. 24.

Roses, Beauty, specials	20.00@30.00
" " extras	15.00@18.00
" " No. 1	6.00@10.00
" " No. 2	3.00@ 4.00
" Bride, Bridesmaid	2.00@10.00
" Meteor	3.00@ 6.00
Carnations	1.00@ 3.00
Lily of the valley	2.00@ 3.00
Violets	.20@ .75
Harrisii lilies	8.00@12.00
Pansies	.50@ .75
Daisies	.50@ 1.00
Tulips	3.00@ 4.00
Sweet Peas	.50@ 1.00
Smilax	15.00@18.00
Adiantum	.75@ 1.00
Asparagus	35.00@40.00

CINCINNATI, Apr. 24.

Roses, Beauty	20.00@40.00
" Bride	3.00@ 5.00
" Bridesmaid	3.00@ 5.00
" Meteor	3.00@ 6.00
" Perle	3.00@ 4.00
Carnations	1.50@ 3.00
Harrisii lilies	10.00@12.50
Lily of the valley	3.00@ 4.00
Daffodils	3.00
Tulips	3.00@ 5.00
Romans, Paper Whites	2.00@ 3.00
Asparagus	50.00
Smilax	15.00
Adiantum cuneatum	1.00
Common ferns	.20

ST. LOUIS, Apr. 24.

Roses, Beauty, short stem	5.00@12.50
" " long stems	15.00@25.00
" Bride, Bridesmaid	3.00@ 8.00
" Meteor	3.00@ 5.00
" Golden Gate	4.00@ 6.00
Carnations, ordinary	1.50@ 2.00
" choice	2.50@ 3.00
Sweet peas	.25@ 1.00
Harrisii	6.00@10.00
Callas	6.00@10.00
Lily of the valley	3.00@ 4.00
Romans	1.00@ 2.00
Narcissi	2.50@ 3.00
Tulips	2.00@ 3.00
Jonquils	.35@ .75
Smilax	15.00
Asparagus Sprengeri	1.00@ 1.50
" Plumosus	1.00@ 1.50

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns

COMMISSIONS CARRIED OUT IN LONDON

or any part of Great Britain.

Messrs. WILLS & SEGAR will attend to any commission from American florists for the supply of Cut Flowers, Birthday Flowers, Bouquets, High Class Floral Designs, etc., to their clients who may be traveling in England.

WILLS & SEGAR, Court Florists to His Majesty, The King.
ROYAL EXOTIC NURSERY,
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WHOLESALE FLORIST,

1316 Pine Street, ST. LOUIS, MO.

CONSIGNMENTS SOLICITED.

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A complete line of Wire Designs.

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WHOLESALE FLORISTS.

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Cut Flowers

THE "OLD RELIABLE,"

76 Wabash Ave., CHICAGO.

The Cincinnati Cut Flower Co.,

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Consignments Solicited.
Special Attention Given to Shipping Orders

MICHIGAN Cut Flower Exchange,

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Full line of Florists' Supplies and Decorations. Special attention to shipping orders.

26 Miami Avenue, DETROIT, MICH.

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WHOLESALE FLORISTS and FLORAL SUPPLIES.

Receivers and Shippers of Fresh Cut Flowers.

Special attention to shipping orders. A complete line of Florists' needs. Send for price list. Prompt returns on all consignments.

128 N. Sixth St. MINNEAPOLIS, MINN.

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FOR FUTURE BARGAINS.

JOHN BROD,

349 West North Avenue, CHICAGO, ILL.

Greenhouses, Niles Center, Ill.

SMILAX We have a steady demand for good Smilax and would like regular consignments.

The F. R. WILLIAMS CO.

WHOLESALE FLORISTS.

Telephone Connections. CLEVELAND, OHIO.

PRICE LIST.

	Per doz.
Roses, Beauties, 30 to 40 inch stem	$3.00
" " 20 to 24 "	$2.00 to 2.50
" " 12 to 15 "	1.00 to 1.50
" " short	.50 to .75
	Per 100.
Brides, Maids, Meteors, Gates	$5.00 to $7.00
Golden Gates, special, fancy	8.00 to 10.00
Roses, our selection	3.00
Carnations, extra fancy	2.00 to 2.50
" fancy, good average	1.50
Violets	.50 to 1.00
Mignonette	4.00 to 5.00
Easter Lilies, select	10.00 to 12.50
" " seconds	6.00 to 8.00
Callas	10.00 to 12.00
Tulips, double	4.00
" single, all colors	3.00
Daffodils, double, extra fine	3.00
Lily of the Valley	3.00 to 4.00
Asparagus Per string,	.50 to .75
" Sprays Per 100,	2.00 to 3.00
" Sprengeri "	3.00 to 6.00
Common Ferns Per 1000	3.00
" " Per 100	.30
Galax Leaves Per 1000	1.00 to 1.50
Smilax, extra heavy Per 100	15.00 to 18.00
Leucothoe Sprays "	1.00
Adiantum "	1.00

We are receiving a very fine line of

ROSES AND CARNATIONS

As well as all other stock and are the only firm in Chicago carrying a stock of

WILD SMILAX

always on hand.

J. B. Deamud,

51 Wabash Ave., Chicago.

WILD SMILAX PER CASE.

No. 1, 15-lbs	$2.50	No. 4, 35-lbs	$4.50
No. 2, 20-lbs	3.25	No. 5, 40-lbs	5.25
No. 3, 25-lbs	3.75	No. 6, 50-lbs	6.00

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Give Us a Chance

At your business. We are serving a great many cut flower buyers so satisfactorily that they send us all their business. But our facilities are so great that we can give equally good service to others. Why not try us? It's to your interest as well as ours.

E. C. Amling

The Largest, Best Equipped and Most Centrally Located Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St. CHICAGO.

L. D. PHONES CENTRAL 1999 AND 1977.

PRICE LIST.

BEAUTIES.		
30-36-inch stems, per doz..		$3.00
24 " " "		2.00
20 " " "		1.50
16 " " "		1.00
12 " " "		.75
6 to 8-in. " per 100	$4.00	5.00
		Per 100
Brides	$4.00	6.00
Maids	4.00	6.00
Meteors	4.00	6.00
Gates	4.00	6.00
Carnations	1.25	1.50
" large and fancies	2.00	3.00
Callas per doz.,	1.00	1.25
Sweet Peas	1.00	1.50
Violets		1.00
Valley, select		4.00
Asparagus plumosus, per stg,	.50	.75
" Sprengeri		4.00
Ferns per 1000, $2.50;		.25
Galax " 1.25;		.15
Leucothoe sprays		1.00
Adiantum	1.00	1.50
Smilax per doz.,	1.50	2.00

Prices subject to change without notice

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37-39 Randolph Street, CHICAGO.

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WHOLESALE GROWER of **CUT FLOWERS**

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Wholesale Growers and Shippers of

CUT FLOWERS,

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Consignments solicited.....

Bassett & Washburn

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Wholesale Growers of and Dealers in **Cut Flowers**

All telegraph and telephone orders given prompt attention.

GREENHOUSES: Morton Grove, Ill.

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A. L. Randall,

WHOLESALE FLORIST.

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Send for weekly price list and special quotations on 1000 lots.

When writing to any of the advertisers on this page please mention the American Florist.

Wholesale Flower Markets

CHICAGO, Apr. 25.

Roses, Beauty, 30 to 36-inch stems		3.00
" " 24 " "		2.00
" " 20 " "		1.50
" " 15 " "		1.00
" " 12 " "		.75
6 to 8 " " per 100	4.00@	5.00
" Bride, Bridesmaid	3.00@	6.00
" Meteor	3.00@	6.00
" Perle	3.00@	6.00
" Golden Gate	3.00@	6.00
Carnations	1.00@	3.00
Violets	.50@	1.00
Lily of the valley	3.00@	4.00
Harrisii	8.00@	12.00
Callas, per doz.	1.00@	1.25
Tulips	2.00@	4.00
Daffodils	2.00@	3.00
Adiantum	1.00@	1.50
Common ferns per 1,000	$2.50	.25
Galax leaves, per 1000	$1.00	.15
Smilax per dozen	1.50@	2.00

CARNATION

CUTTINGS AND BLOOMS.

J. D. THOMPSON CARNATION CO.

JOLIET, ILLINOIS.

H. N. BRUNS,

1409-1411 W. Madison St., CHICAGO.

LILY of the VALLEY

Only The Best. Cut and Pips.

CHOICE

LILY of the VALLEY

in large quantities, the finest that is grown, $4 and $5 per 100.

JOHN WOLF, SAVANNAH, GA.

Please mention the American Florist when writing.

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Avenue, CHICAGO.

FRANK GARLAND,

Wholesale Grower of **Cut Flowers**

SPECIAL ATTENTION GIVEN TO HARDY CUT **FERNS**

55-57 WABASH AVENUE,

Telephone Central 3284. CHICAGO.

Please mention the American Florist when writing.

GEO. REINBERG,

Wholesale Grower of *Cut Flowers*

Choice American Beauties.

We will take care of your orders at reasonable prices. Prompt attention.

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PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.

Headquarters for American Beauty.

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Room 221, 51 Wabash Ave., CHICAGO.

TELEPHONE CENTRAL 3598. All telegraph and telephone orders given prompt attention.

Bouquet Green

FRESH PICKED, JUST RECEIVED,

Vaughan's Seed Store, New York. CHICAGO.

American Florists Ads

Always do business,
Week days and every day
Sundays and holidays,
All over the country,
At home and abroad.

SAMUEL S. PENNOCK,
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GEO. A. SUTHERLAND,
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Telephone 1270 Main.
BEST BOSTON FLOWERS. All Supplies.
An entire floor Devoted to Stock and Manufacturing. Distributing Agent for United States for the wonderful

"Koral" LETTER, unequalled for design work. Script, any color, 3½c a letter. Block letters, 1½c each. The most elaborate design work to order in a few minutes.

GENERAL AGENTS:
H. BAYERSDORFER & CO., Philadelphia.
REED & KELLER, New York City.

SPECIALTIES THIS WEEK:
Special American Beauty,
CARNATIONS,
Lily of the Valley, Violets.

CITY HALL CUT FLOWER MARKET
WELCH BROS., PROPS.
9 CHAPMAN PLACE,
15 PROVINCE STREET,
Boston, Mass.

The best market for Growers who can ship good Cut Flower stock.
J. K. ALLEN,
106 West 28th Street,
Telephone 167 Madison Sq. NEW YORK CITY.

N. F. McCARTHY & CO.
84 Hawley St., BOSTON,
ARE RECEIVING ELEGANT ROSES.
ALL VARIETIES.
DON'T YOU WANTSOME?
Tel. 734 and 64 Main.

Geo. M. Moss,
WHOLESALE FLORIST,
32 South 17th Street, PHILADELPHIA, PA.
Long Distance 'Phone 1-41-26 D.
Consignments of Roses, Carnations, Violets solicited.

N. Y. CUT FLOWER EXCHANGE
Coogan Bldg, 6th Ave. and W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.

Wholesale Flower Markets

BOSTON, Apr. 23.

Roses, Beauty, extra	20.00@30.00
" " medium	6.00@15.00
" " culls	2.00@ 4.00
" Bride, Bridesmaid, Meteor	1.00@ 4.00
" extra	5.00@10.00
Sweet Peas	1 00
Carnations	1.00@ 2.00
" fancy	2.50@ 3 00
Lily of the valley	2.00@ 3.00
Violets	.30@ .60
Lilies	6.00@ 8.00
Narcissus	1.00@ 2 00
Tulips	1.00@ 2.00
Callas	6.00@ 8.00
Adiantum	1.00
Asparagus	50.00
Smilax	12.00@16.00

PHILADELPHIA, Apr. 23.

Roses, Tea	6.00@10.00
" " extra	10.00@15.00
" Beauty, extra	20.00@30.00
" " firsts	10.00@15.00
" Queen of Edgely, extra	40.00
" " " firsts	25.00
Carnations	2.00@ 3.00
Lily of the valley	4.00@ 5.00
Asparagus	25.00@50.00
Smilax	15.00@20.00

BUFFALO, Apr. 24.

Roses, Beauty	7.00@35.00
" Bride, Bridesmaid, Meteor	6.00@12.50
Carnations	1.50@ 5.00
Violets	.50@ 1.00
Lily of the valley	3.00@ 4.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.50

Give Us a Trial. We Can Please You.

Roses, Carnations and all kinds of Seasonable Flowers in stock.
WM. F. KASTING, Wholesale Commission Florist,
481 Washington St., Buffalo, N. Y.
Dealer in Florists' Supplies and Wire Designs.
Open Day and Night.

SHIPPING LABELS FOR ....Cut Flowers
Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....
ELECTRO OF THIS LEAF, POSTPAID, $1.25.
American Florist Co.,
CHICAGO.

MARKETING for flowers is a pleasure if done at the Headquarters of the
NEW YORK CUT FLOWER CO.
Here is the choicest stock of the most eminent growers, fresh every morning and in full variety. Goods selected and shipped to any part of the country. Always room for growers looking for an outlet for good cut flower stock.
DAILY REPORTS. WEEKLY PAYMENTS.
SALESROOMS { 55 & 57 West 26th St., NEW YORK CITY.
TELEPHONES: 2239 Madison Sq. 2034 Madison Sq.
J. A. MILLANG, MANAGER.

EUGENE BERNHEIMER
Wholesale Florist,
Phone 14269 A, 1604 Ludlow St., **Philadelphia.**
CONSIGNMENTS OF ROSES SOLICITED.

AMERICAN FLORIST ADS ALWAYS DO BUSINESS
Week days and every day, Sundays and holidays,
ALL OVER THE COUNTRY AT HOME AND ABROAD.

BEAUTIES VALLEY
Leo. Niessen,
N. W. Cor. Filbert and 13th sts., Philadelphia.

Note the Smile of Satisfaction

When the consignor reads his returns / the buyer opens a box of flowers From

JOHN I. RAYNOR, WHOLESALE COMMISSION FLORIST.

Telephone 1998 Madison Square — 49 W. 28th St., NEW YORK.

YOUNG & NUGENT

WHOLESALE FLORISTS 42 West 28th Street, NEW YORK,

Are shipping the finest Roses, Carnations, Valley, Orchids, Novelties, in the New York Market. Price List to Applicants.

TELEPHONE 2066 MADISON SQUARE.

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Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Telephone Nos. 2239 and 2034 Madison Square.

MOORE, HENTZ & NASH

Wholesale Commission Florists,

65 and 57 West 26th St., NEW YORK CITY.

Adjoining New York Cut Flower Co. salesroom. Finest Salesroom in the Trade. Inspection Invited. All business, selling or shipping, strictly commission.

WHOLESALE WILLIAM GHORMLEY, COMMISSION

RECEIVER AND SHIPPER OF FRESH CUT FLOWERS. DAILY STOCK OF ALL THE CHOICEST VARIETIES FROM BEST GROWERS WHO SHIP TO NEW YORK.

ORCHIDS, ROSES, CARNATIONS, VALLEY.
Largest receiver of VIOLETS in America

Telephone 2200 Madison Square, 57 WEST 28th STREET, NEW YORK CITY.

JOHN YOUNG

Special American Beauties, Surpassing Carnations, Violets, Lily of the Valley, Orchids, and all Seasonable Flowers.

51 West 28th St., NEW YORK.
Tel. 1905 Madison Sq.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR

Violets and Carnations

GROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER,
30 West 29th St., New York.
Telephone 551 Madison Square.

FRANK MILLANG,

CUT FLOWERS,

WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.
Telephone 299 Madison Square.

ESTABLISHED 1872.

JOHN J. PERKINS,

COMMISSION FLORIST,

Solicits Consignments or Shipping Orders. Satisfaction given in both.

Write for Terms. 115 West 30th St., New York.

POPULAR WITH THE TRADE.
Therefore a profitable place to send your Flowers.

M. A. HART'S,

48 West 30th St., New York City.
Telephone 325 Madison Square.

Choice Carnations. Selected Roses.

Traendly & Schenck

NEW YORK CITY,

38 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

NEW YORK, Apr. 23.

Roses, Beauty, select	15.00@25.00
" " medium	5.00@10.00
" " culls	1.00@ 3.00
" Bride, Bridesmaid	3.00@ 8.00
" Jacq. and Brunner	3.00@ 8.00
" Liberty	3.00@10.00
" Meteor, Golden Gate	2.00@ 5.00
" All kinds, job lots	1.00@ 2 00
Carnations	1.00@ 3 00
Carnations, fancy	3.00@ 5.00
Violets	.25@ 50
Lily of the valley	2.00@ 3.00
Daffodils Tulips	.50@ 1.00
Hyacinths	1.00@ 2.00
Callas, Lilies	3.00@ 5.00
Sweet Peas	.50@ .75
Cattleyas	35.00@50.00
Mignonette	1.00@ 3.00
Smilax	12.00@15.00
Adiantum	.75@1.00
Asparagus	35.00@50.00
" Sprengeri, per doz. bun.	2.00@ 3.00
Lilac, per bunch	.50@ .75

CHAS. MILLANG,

50 W. 29th St.,

NEW YORK.

FORD BROS.

Receivers and Shippers of

FRESH FLOWERS.

Best Violets in New York market.

111 WEST 30TH ST., NEW YORK.
Telephone 157 Madison Square.

Julius Lang

53 West 30th Street, NEW YORK.

REPRESENTS THE BEST GROWERS OF

ROSES, CARNATIONS, VALLEY.

TELEPHONE 280 MADISON SQUARE.

ALEX. J. GUTTMAN,

Wholesale Commission Florist,

A full supply daily of the choicest New York and New Jersey

FLOWERS.

52 W. 29th Street, NEW YORK CITY.
Telephone 1738 Madison Square.

A. H. LANGJAHR,

Wholesale Commission Florist,

BEST FLOWERS SHIPPED AT LOWEST NEW YORK PRICES.

19 Boerum Place, Brooklyn, N. Y.

TELEPHONE 939 MAIN.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.
Our Store, 905 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE.

Now in Season:
FREESIAS,
DAFFODILS,
TULIPS
LILAC.
SWEET PEAS and
ACACIA.

EDW. C. HORAN,

47 WEST 28TH ST.,

Tel. 421 Madison Square, ...NEW YORK.

CUT FLOWERS AT WHOLESALE.

All Roses, Violets

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

J. E. NORTHRUP, Pres.; S. F. LEONARD, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

Twentieth annual convention, Minneapolis, Minn., June 24-26, 1902.

FRENCH bulbs are still reported firm in price.

NEBRASKA seed growers report their acreage well taken up.

ONION sets are pretty well cleaned up and demand is very slow.

H. W. BUCKBEE, of Rockford, Ill., is now progressing favorably and able to be out on fine days.

NEW YORK.—H. Weezenaar, representing De Nijs Bros., Hillegom, Holland, sailed for home April 19.

ARNOLD RINGIER, of W. W. Barnard & Co., Chicago, is on the Pacific coast, in California and Washington.

L. A. BUDLONG and Mrs. Budlong, of Chicago, have returned from a two months' sojourn in Cuba and Florida.

NEW YORK:—Chas. Loechner, with Suzuki & Iida, sailed on the Kaiser Wilhelm April 22 for a trip to England.

DRY weather with high winds has damaged some of the onion set fields near Chicago. Seed is mostly in the ground.

J. BOLGIANO & SON, Baltimore, Md., whose firm was for eighty-four years at 28 S. Calvert street, have removed to Light and Lombard streets. The change was caused by the necessity for larger quarters. The business was established in 1818 by Samuel Ault & Sons, and was conducted under that name until 1838, when the present name was substituted.

A Question of Policy.

ED. AM. FLORIST:—I wish to erect a range of six greenhouses, each 21x100, even span, running east and west, using 16x24 inch glass, for carnations and roses. For this purpose I can buy an acre of land for $400. There is also for sale a range of about 25,000 square feet of glass, built in patchwork fashion, which is to be had for $2,500, including a quite new eighty horse-power boiler, piping and a pump for watering, but only a little poor stock. Now, would it be advisable to buy the acre of land and build a new plant or buy the second-hand houses and rebuild after modern fashion? What would be the average cost to rebuild these houses, using about one-half the glass, which is 16x24, and buying all the other building materials, except the boiler, piping and pump? If I build entirely new on the acre piece what are the six houses likely to cost? At which end of the range should the boiler be placed? How soon should work begin on such a range of houses to have them ready for planting for this season?

H. J. H.

In determining the value of the old range everything depends on the condition of the glass, piping, pump, ventilating apparatus and boiler, but if in fair condition they might be estimated at one-half the value of new material. In this case they would be worth nearly as much as is asked for the entire range, while there should be enough of other salvage to pay the cost of taking down the houses. This estimate is made on the supposition that all of this material could be used in the new houses, but as the new houses are but little more than one-half as large as the old ones, only a portion of the glass and piping would be needed and the boiler and pump would be considerably larger than would be required. Moreover, new materials could be purchased for the small range for what the old boiler, piping, pump, etc., would cost in the old one, and unless the new range is to approach the size of the old one it will be better to purchase new material throughout. Even though the old houses are purchased, all wood work in the walls and roof should be new cypress.

There is such a variation in the price of glass and pipe as well as of labor that no definite amount can be given for the cost of the new houses, but it would probably range between $7,500 and $9,000, or aside from the pump, boiler, piping, glass and ventilating apparatus it will be $5,500 to $6,500.

The northeast corner of the range will be a good location for the boiler house. For houses 200 feet or more in length, it is a good plan to have the boiler house at the middle of the north side of the range. Nearly all dealers in greenhouse materials are full of orders, and it will be a quick job if completed in three months from the time the order is given. Even now, this will bring it rather late for roses, but it would answer for most other crops.

L. R. TAFT.

Denver.

FLOWER SHOW PLANNED FOR EARLY MAY.—PARK PAVILION TO BE THE SCENE.—LIBERAL PREMIUMS.

From May 1 to May 4 inclusive, the Denver Floral club, comprising the florists of the city and twenty-four donating members, will hold a spring flower show at City Park. A. J. Graham, superintendent of the park, is managing the affair, but all communications should be sent to Secretary F. T. Rushmore, at the City Park greenhouses.

Former flower shows have been handicapped by lack of space in which to accommodate the crowds. This year, however, two large tents will be erected on each side of the pavilion.

The premium list, now ready for distribution, forecasts the finest flower show in the west. There are 143 classes and numerous liberal prizes.

Special OFFER NEW CROP FLOWER SEEDS

Grown at our Floracroft Trail Grounds. For several years we have made a specialty of growing **Salvia, Clematis Paniculata, Balsam, Aster, etc.,** and now have a small surplus to dispose of at the following low prices:

Salvia Splendens—(Scarlet Sage)	Trade packet	(¼ oz.) 25c	Per oz., $0.90	Per lb., $12.00
" " Clara Bedman	"	(⅛ oz.) 25c	" 1.50	" 18.00
" " Silver Spot	"	(⅛ oz.) 40c	" 2.50	
Clematis Paniculata—(clean seed)	"	10c	" .40	" 4.50
Balsam—(Alba Perfecta) White Perfection, true	"	(¼ oz.) 15c	" .40	" 4.00
" Double Camellia Flowered Mixed	"	10c	" .20	" 2.00
" Fine Double Mixed			" .10	" 1.00

Asparagus Sprengeri, 100 seeds, 25c; 1000 seeds, $1.50; 5000 seeds, $5.50

Cosmos Large Flowering Mixed ... " .10 " .75

Centaurea Imperialis, separate colors or mixed, trade packet, 10c; ounce, 50c.

JOHNSON & STOKES, 217-219 Market St., **Philadelphia, Pa.**

ESTABLISHED 1802

THORBURN'S SEEDS

A Few Left

	Per 100	1000
LILIUM SPECIOSUM MELPOMENE, large size, 9 to 11-inches	$8.50	$80.00
LILIUM AURATUM, LARGE SIZE, 9 to 11-inches	8.00	75.00

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

SURPLUS

Beans and Peas

Crop 1901, Selected Stock.

100 Bush. Beans, Early Red Valentine.
100 " " Ex. Early Refugee.
100 " " Refugee or 1000 to 1.
10 " " Detroit Wax.
10 " " Wardwell's Wax.
30 " Peas, (crop 1900), Pride of the Market.

WRITE FOR PRICES TO

A. V. D. SNYDER,

Florist and Seedsman,

Ridgewood, New Jersey.

Get Something New

Fern Wreaths are finer and showier for store windows and verandas than the Fern Balls. To introduce them we offer **extra** bargain. Each, 25c; Doz., $2.50; 100, $18. **Try Them.**

CYCAS REVOLUTA, ½ lb. to 20 lb. stems; 10 lbs., $1.00; 100 lbs., $8.00; case of 330 lbs., $21.00.

We Offer to CLEAR FOR SEASON Greatly Reduced,

	Doz.	100	1000
BEGONIA, Single, separate colors	$ .30	$2.00	$17.00
" Double " "	.50	4.00	35.00
CALADIUM, Fancy named, choice	1.25	9.00	
GLADIOLI, Am. Hyb. 60 per cent white and light	.15	1.00	8.00
May, Florists' favorite	.25	1.75	16.00
Groff's Hybrids	.40	2.50	
AMARYLLIS JOHNSONI	2.00	15.00	
Vittata Hybrids, Gems	2.50	20.00	
CANNAS, best named	.30	2.00	15.00
Mixed	.20	1.50	10.00
MONTBRETIAS, Finest grandiflora sorts	.15	.75	6.00

NEW DAHLIA GERMANIA GIANT.

Finest silvery pink. Large flowers on long stiff stems; sold at 25 cents a dozen through season in New York Market. Certificate of merit at Madison Square flower show 1901. Strong field-grown clumps, each 25c; dozen, $2.50; 100, $15.00.

Asparagus Plumosus Nanus Seed, 100, 85c; 1000, $7.50.

Sweet Pea Seed, Florists' sorts, ¼ lb., 10c; 1 lb., 25c; 5 lbs., $1.00.

Let us estimate on your wants for forcing bulbs, fall delivery, Azaleas, Valley, etc. **We can save you Money.**

H. H. BERGER & CO.,

Established 1878. 47 Barclay St., N. Y.

Please mention the American Florist when writing.

FLORISTS' FLOWER SEEDS

	Trade pkt	¼ oz.	oz.
ALYSSUM, Little Gem, extra fine strain...pound, $2.50		10	25

ASPARAGUS SPRENGERI, 100 seeds, 50c; 1000 seeds, $2.00; 5000 seeds, $8.50. Write for prices on larger lots.

	Trade pkt.	Oz.
CENTAUREA Imperialis, mixed, all the following sorts	10	60
" " **Alba,** pure white	10	85
DAISY, Burbank's New Shasta Daisy	25	

CANDYTUFT, New Giant Hyacinth-Flowered. This improved new strain is far superior to Empress. The flower-heads are of immense size, six inches long and about three inches across, resembling a Dutch Hyacinth. They are pure white, and furnish excellent material for cutting. Pound, $2.50; trade pkt., 10c; oz., 30c.

CINERARIA Vaughan's Columbian Mixture. Trade pkt. (1000 seeds) 50c; 3 for $1.25

VAUGHAN'S INTERNATIONAL PRIMULA MIXTURE. This mixture is composed of the most salable colors of single flowering Chinese Primulas, the best whites, pinks and reds, with a sprinkling of other colors, enough to give a large variety of colors, the most important shades predominating. We have taken special pains to make this mixture as complete as possible and unreservedly recommend it to everyone. Price for International Mixture, pkt. of 250 seeds, 50c; 5 pkts. 1250 seeds, $2.00; per 1-16 oz. $2.50.

OSCONICA Grandiflora, mixed, 1-16 oz. 85c; pkt. trade pkt. 25c.

FORBESI, "Baby Primrose," flowers rosy lilac, free blooming, excellent for pots. The seedlings begin to bloom 3 months after sowing; 500 seeds 25c.

MIGNONETTE, TRUE MACHET. Trade pkt., 10c: ½-oz., 25c; oz., 50c; 2-ozs., 75c; ¼ lb., $1.25.

NASTURTIUM.

	Oz.	¼-lb.	lb.
"VAUGHAN'S SPECIAL" Mixture of Tall Nasturtiums	$ .10	$ .20	$ .70
MME. GUNTHER'S HYBRIDS, true... 10 lbs., $5.25	.10	.20	.60
"VAUGHAN'S SPECIAL" Mixture of Dwarf Nasturtiums	.10	.20	.70

FOR OTHER FLOWER SEEDS SEE OUR "BOOK FOR FLORISTS." FREE ON APPLICATION.

SWEET PEAS.

Our Sweet Pea Seed was raised by the most careful grower and is equal to the best in the country. We invite comparison.

Any of the following, per oz., 5c., except where noted.	¼ Lb.	Lb.	5 Lbs.
Blanche Burpee, very large white	10	25	$1.00
Blanche Ferry, pink and white	10	25	1.00
" " **extra early,** 10 days earlier	10	25	1.00
California, very soft "Daybreak" pink	10	30	
Captain of the Blues, purplish mauve	10	30	1.25
Countess, the New, clear lavender	10	25	1.00
Countess of Powis, orange suffused with purple	10	30	
Countess of Radnor, delicate lavender	10	25	1.00
Earliest of All, 8 days earlier than Ex. Early Blanche Ferry	15	30	1.50
Emily Henderson, white, early and free	10	30	
Her Majesty, beautiful rose, large	10	25	1.00
Katherine Tracy, soft but brilliant pink	10	25	1.10
Lady Grisel Hamilton, best of all lavender sorts	15	40	
Lady Mary Currie, bright orange pink	10	30	1.25
Mrs. Eckford, delicate primrose yellow	10	30	1.35
Navy Blue, a new, deep violet-blue	15	50	
Prima Donna, soft pink	10	25	1.10
Prince of Wales, new, bright rose self	15	40	1.65
Sadie Burpee, new white, white-seeded	15	30	
" " " " black-seeded	15	30	
Salopian, the best of all reds	10	25	1.10

VAUGHAN'S FLORISTS' MIXTURE.—This mixture, which is made up by ourselves from separate colors carefully proportioned, of the best cut-flower sorts and colors, is bound to give satisfaction. ¼ lb., 10c.; lb., 30c.; 5 lbs., $1.25; 10 lbs., $2.25.

NEW SWEET PEA—MONT BLANC.—Oz., 15c.; ¼ lb., 40c.; lb., $1.25; 2 lbs., $2.25; 5 lbs., $5.00.

10 per cent. Special Cash Discount on orders over $2.00 for Flower Seeds if the cash is enclosed.

VAUGHAN'S SEED STORE,

NEW YORK, 14 Barclay Street. 84-86 Randolph Street, CHICAGO.

GREENHOUSES: WESTERN SPRINGS, ILLINOIS.

CASSIA FALCATA

Not a new plant, but a good rare old one. Blooming equally profuse, it is a good companion plant for Salvia Splendens; color lemon yellow; extra fine for Park or Garden decoration. Can be kept over winter in cool cellar.

$1.50 per doz. $10 per 100.

J. T. TEMPLE, DAVENPORT, IA.

Please mention the American Florist when writing

NEW CARNATIONS strong from soil

Cressbrook, $1.50 per doz., $10 per 100, $75 per 1000.
Fair Maid, $2.00 per doz., $10 per 100, $75 per 1000.

CHRYSANTHEMUMS

Fine strong plants from 2½-inch pots, ready now. Price per 100:

T. Eaton	$4.00	R. Halliday	$4.00
Nellie Pockett	8.00	Major Bonnaffon	3.00
Lady Roberts	8.00	Philadelphia	5.00
Mrs. E. D. Smith	6.00	Pennsylvania	5.00
Golden Beauty	8.00	Modesto	3.00
Mrs. Chamberlain	8.00	Nagoya	3.00
Mme. F. Bergmann	3.00	M. de Montmort	3.00
Willowbrook	3.00	Glory of the Pacific	3.00
Merry Monarch	3.00	Lady Harriett	6.00
Polly Rose	3.00	Maud Dean	4.00
G. S. Kalb	3.00	Xeno	3.00
Ivory	3.00	Geo. W. Childs	4.00
Mrs. J. Jones	3.00	Intensity	4.00
H. A. Parr	3.00		

H. WEBER & SONS, Oakland, Md.

Dracaena Indivisa, 4-in. $10; 5-in. $15.00

	Per 100
Vincas, 5-inch	10.00
Geraniums, mixed 4-inch $5.00; 3-inch	3.00
Salvias 4-inch $5.00; 3-inch	3.00
Begonias, Flowering, 3-inch	3.00
" Rex	6.00
Sweet Alyssum, 2½-inch	2.00
Saxifraga, 3-inch	3.00
Canbas, 4-inch	5.00
" 3-inch	3.00
Pansies, fine, in bloom	2.00
" " "	1.00
Bellis Perennis	1.00
Spotted Calla, 5-inch	20.00

J. S. BLOOM, Riegelsville, Pa.

Cyclamen Giganteum

Extra strong July Seedlings in separate colors:
2½-inch pots, $4.00 per 100
3-inch pots, 8.00 per 100
4-inch pots, 12.00 per 100

LEHNIG & WINNEFELD,
HACKENSACK, N. J.

IRISH JUNIPER TREES

Extra heavy, 4 ft. $20.00 per 100
18 to 24 in. $8.00 per 100, $60.00 per 1000
24 to 30 in. 10.00 per 100, 75.00 per 1000
30 to 36 in. 12.00 per 100, 100.00 per 1000
250 of each size at 1000 rates. Boxing at cost.

RUBBER PLANTS

grown from top cuttings. 12 in. plants, $3.50 per doz.; 18 in. plants, $5.00 doz.; 20 to 24 in. plants, $7 per doz.

ROSES Golden Gate, La France, Bride and Bridesmaid from 2-in. pots, $3 per 100; $25 per 1000.

JOSEPH HEINL, Jacksonville, Ill.

SPECIALTIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery,
CHRYSANTHEMUMS,
SMILAX, VIOLETS.

In Best Varieties

Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.

GERANIUM DRYDEN

The finest bedder; silver medal at Buffalo last year. $6.00 per 100. 2½-inch pots; $3.00 per 100, rooted cuttings. Cash please.

Henry Eichholz, Waynesboro, Pa.

NOW COMPLETE IN FOUR VOLUMES.

Cyclopedia of American Horticulture

Comprising suggestions for cultivation of horticultural plants, descriptions of the species of fruits, vegetables, flowers, and ornamental plants sold in the United States and Canada, together with geographical and biographical sketches

By L. H. BAILEY,
Professor of Horticulture in Cornell University,

Assisted by WILHELM MILLER, Ph. D., Associate Editor, and many expert Cultivators and Botanists.

IN FOUR VOLUMES,

Cloth, $20. Half Morocco, $32.

Illustrated with 2800 original engravings. Cash with order.

AMERICAN FLORIST COMPANY,
324 Dearborn St., Chicago.

American Florist Advts. Always Sell Stock.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
R. C. BERCKMANS, Pres.; R. J. COE, Vice-Pres.
GEORGE C. SEAGER, Rochester, N. Y., Sec'y.
Twenty-seventh annual convention, Milwaukee, Wis., June, 1902.

NICHOLS & LORTON, of Davenport, Ia., report the heaviest spring shipments on record.

THERE is said to be a shortage of nursery stock in the west. The Colorado nurseries report a demand from Wyoming which they cannot fill.

THE department of forestry at Yale College, New Haven, Conn., is engaged in planting a large number of young elms in various portions of the college grounds. Some of the older trees which had outlived their usefulness have been removed.

A PLANTATION of about 6,000 young pines set out on the town common at Brunswick, Maine, last year, has made a good growth and it is estimated that not more than about ten per cent of those planted failed to become established. It is planned to set out a number of young oaks among the pines.

THE Napa Valley Nursery Company has been incorporated at San Jose, Cal., with a capital of $15,000 by John Ames, president and manager; Leonard Coates, William Fisher and others. The company will have 85,000 grafted vines and 150,000 other vines for next season, as well as 250,000 fruit trees.

LAST fall J. & W. Hopkins imported some holly, in the usual condition of that commonly used for Christmas decoration, through the port of Port Townsend, Wash., and the collector of customs there assessed duty at twenty-five per cent under the paragraph covering "stocks, cuttings, seedlings." On April 12 the General Appraisers sustained the importers' protest and admitted the holly free of duty as "unmanufactured vegetable substances not otherwise provided for."

AMBITIOUS plans are being perfected for the sixth annual meeting of the American Park and Outdoor Art Association, which is to be held in Boston, August 5 to 7, 1902. Many noted speakers upon pertinent subjects have already promised to participate in the meetings. On one day a special meeting of park commissioners and others interested in park work will be held. G. A. Parker, chairman of the Park Census committee, has charge of the arrangements for the park meeting and expects to have 200 or more commissioners in attendance. Many outings and excursions among the numerous places of interest in and about Boston are planned. Among the local hosts will be the Massachusetts Horticultural Society, the Massachusetts Forestry Association, the Apalachian Mountain Club, the Boston Society of Architects, the Twentieth Century Club, the Boston and Metropolitan Park Commissions, and the Horticultural Club of Boston.

JAMESTOWN, N. Y.—The Lakeview Rose Gardens are to be enlarged again this year by the addition of seven houses, six of them 330 feet long and the other 250 feet. The business has been very large during the past season, the demand for carnations having been particularly heavy. But both A. N. Broadhead and the superintendent, C. H. Roney, expect next year to be better than the present one.

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Cut Flowers, Seeds, Bulbs and All Florists' Supplies.

Get our quotations on your wants before ordering elsewhere.

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ENERGY. ECONOMY. DISPATCH.

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HOLLAND.

SPECIALTIES ARE: Conifers, Evergreens, Hardy Shrubs, Lilacs, Ornamental Trees, Fruit Trees in different forms, Azaleas, Rhododendron Ponticum and Hybridum.

Please send list of your wants and write for general catalogue. We will make you special offers. Write to

GROENEWEGEN & ZOON,

De Bilt, near Utrecht, Holland.

SHADE TREES, Etc.

	Per 100	1000
Sugar Maple..... 8 to 9 ft.,	$10	
Sugar Maple..... 6 to 7 ft.,	7	$60
Sugar Maple..... 4 to 5 ft.,	5	40
Sugar Maple..... 3 to 4 ft.,	3	25
White Day Lily (F. Alba), crowns.....	5	
Double Tiger Lily, strong bulbs.....	2.50	
Single " " " "	2.00	18

Well packed and in cars. Cash with order.

E. Y. TEAS, CENTERVILLE, IND.

CLEMATIS Large Flowering, leading kinds, strong 2-year plants from 4 inch pots in 12 sorts. $2.50 per doz.; $20.00 per 100. 25 at 100 rate.

Choice Hardy Monthly ROSES in twelve (12) kinds, $1.50 per doz., $10.00 per 100.

ADIANTUM, (Maiden Hair Ferns), strong clumps, $5.00 per 100; 75c per doz.

F. A. Baller, Bloomington, Ill.

RHODODEDRONS....

500 Clumps of Rhododendron Maximum, 6 to 8 ft. high, at $25 a doz.

Prices of smaller clumps and Kalmias on application.....

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RHODODENDRONS "MTN."

Seedlings, $10.00 per 1000

Choice plants..6 to 10 in., 75c per 10; $5.00 per 100
" " 12 to 18-in., $1.50 per 10; 12.50 per 100

Special prices on large lots. Cash with first order. Rhododendron Leaves for festoonings, 50c per 1000

AZALEAS, Yellow, Pink and Red or Flaming, sizes and prices same as Rhododendrons.

J. N. PRITCHARD, ELK PARK, N. C.

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Always do busines, week days and every day, Sundays and holidays, all over the country, at home and abroad.

WANTED!

Hardy Acclimated

RhododendronS

3 to 5 feet in height.
Quote price.

BAILEY W. LEACH,

243 West 48th St.,

NEW YORK CITY.

BEDDING Plants.

	Per 100	Per 1000
Roses, Brides and Maids, 2-in.....	$2.00	$18.00
Geraniums, best var., 3 and 4-in..	$3.50 to $7	
" Mme. Salleroi, 2-in....	2.00	
Dracæna Indivisa, 5-in.....	10.00	
Heliotrope, 2-in.....	2.00	18.00
Petunia, large dbl. flowers, 2 in.....	2.00	18.00
Lobelia, C. P. C. and White Gem, 2-in.	1.50	
Alyssum, 2-in.....	1.50	
Salvia Bonfire, 2-in.....	2.00	18.00
Smilax, from flats, 25c; by mail.....	.30	
Asters, best strains, strong transplanted	.50	

CASH OR C. O. D.

McALLISTER & CO., Batavia, Ill.

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ORNAMENTAL AND FOREST TREES A SPECIALTY.

Conifers, Evergreens, Hollies, Etc.
Prices on Application.

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NOTICE OF REMOVAL.

Open for Cut Flower Sales at 6 o'clock every morning.

ON and after May 1st, 1902, **THE NEW YORK CUT FLOWER EXCHANGE,** located for many years at the 34th Street Long Island Ferry, will occupy new central and commodious quarters in the Coogan Building, corner of **Sixth Ave. and West 26th Street.**

JOHN DONALDSON,
Secretary.

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The Largest and most Complete Stock of DAHLIAS in the World

1902 DAHLIAS Admiral Schley, Eureka, Gold Standard, Black Bird, Pink Dandy, Leone, Profusion, Alba Superba, Gaillardia, Judah and Olympia. All sterling American varieties.

20th Century Collection of 1901 contains 14 superb new American Dahlias.

Send for our up-to-date dahlia catalogue. Also special list of cut flower dahlias, before ordering elsewhere.

W. P. Peacock, Dahlia Specialist, **Atco, N. J.**

FANCY or DAGGER FERNS $1.50 PER 1000

PRINCESS PINE, 5c per lb.

GALAX, green or bronze, 75c per 1000. Laurel festooning, 4c, 5c and 6c per yd. Green or Sphagnum Moss. Send for prices on large orders.

Telegraph Office
New Salem, Mass.

CROWL FERN CO., P. O. Millington, Mass.

CANNAS...

DORMANT OR STARTED, STRONG TUBERS.

Mme. Crozy, Black Prince, Marquandt, Crimson Bedder, etc., $2.50 per 100. Austria, Burbank, Chas. Henderson, $2.00 per 100; $18.00 per 1000. Green and red leaved mixture, $1.50 per 100.

HOLLYHOCKS, field-grown, Charters, Allegheny Strains, finest colors, $2.50 per 100. **DAHLIAS,** field-grown, separate colors, named, best for cut flowers, $4 per 100. CASH PLEASE. **SHELLROAD GREENHOUSE CO., Grange P. O., Baltimore Co., Md.**

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Green Goods

Where you never get disappointed. We always have the stock on hand and of the best quality.

FANCY and DAGGER Ferns, $1.50 per 1000.

Discount on large orders.

BRILLIANT BRONZE AND GREEN GALAX, 75c per 1000 in 5000 lots. Satisfaction guaranteed.

SELECTED SOUTHERN WILD SMILAX, $4 and $7 per case. Also **LAUREL FESTOONING,** good and full, 4c, 5c and 6c per yard.

☞ Orders by Mail, Telephone or Telegraph promptly attended to.

HENRY M. ROBINSON & CO.,
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Please mention the American Florist when writing

GALAX Bronze or green, 75c per 1000, in 2 00 lots or over; single 100), $1.00. Fern, Fancy, $2.50 per 1000; Fern, Dagger, $1.50 per 1000. Leucothoe Sprays, bronze and green, assorted sizes, $1 per 100. Green sheet moss, $2.50 per bbl. bag.

L. J. KRESHOVER.
110-112 W. 27th Street, NEW YORK CITY.
Telephone call, 597 Madison Square.
HARRY A. BUNYARD, Mgr.

It will be to your advantage to ascertain the rates from Chicago to New York, New England and all eastern points applying over the Nickel Plate Road and its eastern connections. Three daily trains, on which there is no excess fare. One feature of service on that road is meals in dining cars, on American club plan. Pay for what you get, but in no event more than from 35c to $1.00. Folders, rates and all information cheerfully furnished by applying to John Y. Calahan, General Agent, 111 Adams St., Chicago, Ill. Depot, Fifth Ave. and Harrison St. 4

...LOOK...

Over this list of items and send us 50c or $1.00 for samples of what you may want.

GERANIUMS { Red, White, Pink, Salmon, Ivy, Rose, Pelargonium, Mme. Sallerol.

SMILAX, fine, 2-inch.
SWEET ALYSSUM, Dwarf and Large.
FEVERFEW. SALVIA.
AGERATUM. VINCAS.
ENGLISH IVY. FUCHSIAS.
SALVIA. LANTANAS. HIBISCUS.
MARGUERITES. MOONVINES, etc.
PETUNIAS BEGONIAS. PANSIES.
Etc., Etc. Write.

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California Carnations.

Our cuttings are rooted without fire heat and are strong, hardy and well rooted. They are so far superior in every way to cuttings rooted by fire heat that they should not be mentioned in the same connection. We guarantee safe arrival and satisfaction.

	Per 100	Per 1000
QUEEN LOUISE, white.....	$4.00	$30.00
MERMAID, fine salmon pink	3.00	20.00
G. H. CRANE, scarlet.....	1.50	12.00
MRS. F. JOOST, fine pink...	1.00	8.00

Giant of California Pansy Plants, 50c per 100; $2.50 per 1,000. Giant of California, transplanted plants, $5 per 1000—100 sent at 1000 rates.

TERMS CASH WITH ORDER.

THE LOOMIS FLORAL CO.,
LOOMIS, CALIFORNIA.

Wild Smilax

50 POUND CASE, $3.00.
30 POUND CASE, $2.00.

New Crop DAGGER FERNS, ready May 1st, quality the best.

Write for quotations. **R. A. LEE, Monroe, Ala.**

Please mention the American Florist when writing.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 79 Milk St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

THE Chicago florists team has bowled two matches of three games with Anson's celebrated team, breaking even, and a third match is in prospect.

At New York.

Lawrence Hafner is the happy possessor of a prize of $5 cash awarded to him for making the highest score in the Arlington tournament. Theodore Lang won $3 for second highest average. Following are the scores made on the club alleys Monday evening, April 21:

Player	1st	2d	3d	4th
Traendly	141	155	201	137
Bunyard	168	138	143	124
Lang	167	167	164	161
Hafner	145	174	158	155
Burns	131	139	158	154
Siebrecht	166	159	135	130
Elliott	134	157	123	143
Smith	162	153	155	150

At Jamestown, N. Y.

At the last weekly contest the carnation men overcame the lead of fifty pins held by the team of rose growers and took a place 102 pins in front. The score follows:

ROSARIANS.	1st	2d	3d	T'l
Coyne	172	168	151	491
McCue	88	112	122	322
Brooks	142	102	104	348
Vanderhof	104	127	132	363
Whitcomb	115	104	116	335
Bowyer	138	138	132	408
Totals	759	751	757	2267
CARNATIONISTS.	1st	2d	3d	T'l
Scott	133	151	129	413
Doxey	120	139	161	420
Lydon	137	133	157	427
Eidens	149	91	146	386
Kaser	108	109	129	346
Henoon	124	153	152	429
Totals	771	776	874	2421

A. S.

At Philadelphia.

There is still a lively interest taken in the sport, the alleys being patronized by the regulars once or twice a week and the usual matinee crowd of the veterans and associate members almost every afternoon. Some very good scores are made in the friendly contests that take place, for as soon as enough to form sides are present a match is started and, as good, careful bowling is required to win, these practice games help up the averages. Nothing has as yet been done toward selecting the team for the national contest, but the material is here for a very fair team and can soon be gotten together. We saw that fine picture of Capt. Lang; it does not flatter him one bit and his average of 165 shows that he is a worker as well. That $25 "defi," however, shows a little fullness about the chest, and as Philadelphia is to have a chance at it, we should like to see a contest arranged, as we have in mind at least two of the "B. F." variety that would stand a good chance of pocketing the coin. K.

BATAVIA, N. Y.—Thomas McGuire, florist for the western division of the New York Central, has over 60,000 plants ready to put out at the various stations in his territory.

Orange, N. J.

EUROPEAN TOURIST WRITES INTERESTINGLY OF THINGS HORTICULTURAL.—EXUBERANCE OF NATURE CREDITED FOR DISPLAY.

Letters received from J. B. Davis, who is now probably on the Atlantic returning from the "Celtic" cruise, indicate that Mr. Davis has been keeping his eyes open, horticulturally, and will have some interesting narratives to relate on his return. He says that of the flowers put on board the steamer when leaving New York the carnations Lawson and Marquis proved to be the best keepers. At Madiera in February he found hyacinths, freezias, callas and amaryllises blooming in the open border and bougainvilleas, lantanas and camellias also in great abundance, with nasturtiums, vincas and oxalises growing as rank weeds everywhere. At none of the stops made at Mediterranean points did he see any evidences of skillful culture, the luxuriance of the flora being due wholly to the climate and the exuberance of growth, making one long for the land where good gardening prevails and a landscape that is not a tangle.

At Liverpool Mr. Davis found the market filled with narcissi, a large proportion of which came from France. He noted at the Botanical Gardens at Wavetree Park a particularly fine display of seedling hybrid amaryllises, 2,000 bulbs in bloom. He was particularly interested to see at Stratford on Avon, where some old buildings have been cleared away, in the design to preserve Shakespeare's birthplace, the space devoted to a Shakespeare flower garden, containing all the flowers mentioned in Shakespeare's plays.

ROCHESTER, N. Y.—J. B. Keller and the Salter Brothers called on Mayer Rodenbeck, April 14, to urge that the street venders of flowers be no longer permitted to compete with tax payers who are engaged in the flower and plant business.

TO MAKE ROOM I OFFER

150 Kentia Belmoreana, 2¼-in.....$5.00 per 100
400 " " 3-in.....10.00 per 100
200 " " 4-in., 2d size 15.00 per 100
100 Latania Borbonica, 3-in..... 5.00 per 100
100 Pandanus Utilis, 2¼-in..... 4.00 per 100
75 " " 3-in..... 8.00 per 100
400 Selaginella Emmeliana, 2¼-in.....3.00 per 100
All healthy stock. Cash with order.
JOSEPH E. BONSALL, SALEM, OHIO.

FAXON'S "WHITE HOUSE" PANSIES.
The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.
In Trade Packets at $1.00 each.
M. B. FAXON,
Lock Box 1528. BOSTON, MASS.
Correspondence solicited.

S. S. SKIDELSKY,
708 N. 16th Street,
PHILADELPHIA, PA.
CORRESPONDENCE SOLICITED.

Boston Ferns
Fine, strong, young plants, $3.00 per 100; $27.50 per 1000.
Edwin Lonsdale, Wyndmoor, Chestnut Hill, Pa.

The Chicago Market.

Spring flowers have arrived and supplement an already ample supply of the staple articles. There is always a welcome for the first flowers of spring, and they are in all the florists' windows, making trade-winning displays, for the lady who has worn violets all season is ready for a bunch of arbutus and, too, she likes the novelty of a bowl of lilacs on the dining table.

While the spring flowers are popular, there is still a good call for the staples, Roses, Carnations and the other all-season items, with a particular call for funeral and wedding flowers. White carnations are not always to be had on short notice, but people are getting out of the notion that nothing but white will do for a funeral. For grown people, they are using many colored flowers, and for middle aged to elderly folks they use strong colors, as for instance, the many American Beauty, Meteor and red carnation designs sent to President McKinley's funeral.

There are plenty of roses and colored carnations, also tulips, jonquils, daffs, valley, violets, callas and Easter lilies. Prices are not high on any item, but stock is moving briskly. It is a time when buyers can handle good quantities to a profit, for they can get good stock in any line.

In buying at Kennicott's it isn't necessary to consult the price list before ordering, for this house always bills everything at prevailing market rates. That is the only way to do, and in fact it has come to be regarded as one of the secrets of Kennicott's influence in this market. There isn't any danger of an out-of-town buyer getting "roasted" on prices in this market, at least not more than once, for if any other house roasts him it only serves to teach him to stick close to Kennicott's, where he always gets billed just what the city retailer pays for the same grade of stock. Kennicott's do the biggest shipping business in the west, probably the biggest in the country.

KENNICOTT BROS. CO.
Wholesale Commission Florists and Dealers in all Florists' Supplies.
42-44 Randolph St. CHICAGO.
FLINT KENNICOTT, Pres. E. E. PIESER, Treas.
G. H. PIESER, Sec'y. R. R. JAMPOLIS, Ally.
HON. ROBT. REDFIELD, Vice President.

ROSES! ROSES!

We are headquarters for Roses. Our sales this year of rose plants will be upwards of 3,000,000, an easy amount to say, but not so easy to handle, get ready for sale and pack for shipment. We sell each year, more roses than any three firms in the world. Patrons who buy our roses, become permanent customers, for they grow and bloom. If you have never tried our stock, you had better begin now.

Roses from 2-inch pots, your selection of varieties for 50 cents per dozen; $2.50 per 100; and $22.50 per 1000. You can select 25 at hundred rates, or 250 at thousand rates. Our selection of varieties, $2.25 per 100, or $20 00 per 1000.

Augustine Halem
America
Aline Sisley
Andre Schwartz
Antoine Verdier
Anna Ollivier
Agrippina
Arch Duke Charles
Beauty of Stapleford
Bon Silene
Baltimore Belle
Barbou Job
Bridesmaid
Bougere
Christine de Noue
Crown Princess Victoria
Clothilde Soupert
Catherine Mermet
Cornelia Cook
Crimson Rambler
Celine Forestier
Claire Carnot
Caroline Marniesse
Cloth of Gold
Coquette de Lyon
Comtesse Riza du Parc
Climbing Meteor
" Malmaison
" Wootton
" Bridesmaid
" Marie Guillot
" Paul Neyron
Duchess de Brabant
Duchess of Edinburgh
Dr. Grill
Devoniensis
Douglas
Enfant de Lyon
Empress of China
Empress Eugenie
Francis Dubreuil
General Tartas
Golden Chain
Gold of Ophir
Gardenia
Golden Gate
Gruss an Teplitz
Helene
Henry M. Stanley
Isabella Sprunt
J. B. Varrone
Jersey Beauty
James Sprunt
Jules Finger
La Princess Vera
La Sylphide
Louis Phillipe
Louis Richard
Lamarque
Mme. de Vatry
Mme. Hoste
Mme. Eli Lambert
Mme. Welche
Mme. H. Defresne
Mme. J. Schwartz
Mme. F. Kruger
Mme. Lambard
Mme. Margottin
Mme. C. Kuster
Mme. de St. Joseph
Monthly Cabbage
Mary Washington
Meteor
Mosella
Maid of Honor
Malmaison
Muriel Graham
Mrs. Robert Garrett
Mrs. Lovett
Marquise de Vivens
Monsieur Furtado
Media
Marie Guillot
Papa Gontier
Pink Soupert
Princess Sagan
President Carnot
Psyche
Pink Rambler
Queen's Scarlet
Queen of the Prairie
Rainbow
Russell's Cottage
Reine Marie Heuriette
Snowflake
Safrano
Sombreuil
Striped La France
South Orange Perfection
Solfaterre
Sanguinea
Tennessee Belle
The Queen
The Bride
Triomphe de Pernet pere
Viscountess Folkstone
White Bon Silene
White La France
White Rambler
Wichuraiana
Yellow Rambler
Zelia Pradel

ROSES from 2 1-2-inch pots 50 cents per dozen; $3.00 per 100; or $25.00 per 1000.

Antoine Rivoire
Hermosa
Kaiserin A. Victoria
Mrs. Mawley
Maman Cochet
Pierre Guillot
Souv. de Mme. E. Couvin
Souv. de Wootton
White Maman Cochet
La France

NEW ROSES from 2 1-2-inch Pots.

	Doz.	100		Doz.	100		Doz.	100
Admiral Dewey	$ .60	$4.00	Helen Gould, new forcing rose	$ .60	$1.00	Mme. E. Duranthon	$ .60	$4.00
Bessie Brown	1.00	6.00	Lady Mary Cory	.60	4 00	Rosaman Graveaux	.60	5 00
Climbing Soupert	.75	5.00	Lady Clanmorris	.75	6.00	Wichuraiana, variegated foliage	.75	5.00
Gladys Harkness	.75	6 00	Meta	.60	6.00			

HYBRID PERPETUAL ROSES. Fine strong plants from 2 1-2-in. pots for 60c per Doz.; $3.00 per 100; $27.50 per 1000.

Ball of Snow
Coquette des Alpes
Duke of Edinburgh
Dinsmore
Francois Levet
General Jacqueminot
Gloire de Expo'n Brussels
La Reine
Lady Helen Stewart
Marchioness of Lorne
Mme. Alfred de Rougem't
Magna Charta
Mme. Chas. Wood
Mme. Masson, the best red Hybrid
Paul Neyron
Perfection des Blanches
Roger Lambelin
Triomphe des Beaux Arts

GENERAL COLLECTION OF PLANTS. Order Now before everything is sold. All plants from 2 1-2-inch pots, unless otherwise noted. All Fine Stock.

	Per Doz.	Per 100	Per 1000
Aloysia Citriodora (Lemon Verbena)	.30	$ 2.00	$18 00
Acalypha Sanderi	.50	3.00	
Asparagus Sprengeri, fine	.50	2.50	20.00
Asparagus Plumosus, extra fine	50	3 00	25.00
Araucaria Excelsa, 4 tiers, 16 in. high, each 75c		60.00	
Araucaria Excelsa, 5 tiers, 20 in. high, each $1.00	$9.00	70 00	
Azalea Mollis, 15 to 25 buds	2.50	16.00	
Ampelopsis Veitchi, 2½-inch pots	.50	3.00	
Ampelopsis Veitchi, field grown, 5 feet	1.00	8.00	
Abutilons, 10 best sorts	.40	2.00	18.00
Abutilon Souv. de Bonne	.40	2.50	20.00
Ageratum, Princess Pauline and White Cap	.35	2.00	18.00
Alyssum, Giant flowered, double	.30	1 50	10.00
Achillea The Pearl	.40	2 50	20.00
Apios Tuberosa	.30	2.00	
Anemone Whirlwind	.40	20.0	18 00
Anemone Queen Charlotte, new pink	.50	3 00	25.00
Amaryllis Formosissima	.75	5.00	
Begonias, flowering, 10 sorts	.40	2.50	20.00
Bougainvillea Gigantea, new extra	.50	2.50	20.00
Box, Ornamental, evergreen for borders	.30	2 00	15.00
Crotons	.60	4.00	
Clematis, large flowering, 2-year	3.50	25.00	
Camellia Japonica, fine plants, 18 in. to 2 feet	6.00	45.00	
Calla Richardia, Spotted Calla	.40	3.00	
Cyperus, Umbrella Plant	.30	3 00	20.00
Cyclamen Persicum Giganteum	.50	3 00	25.00
Coleus, best sorts	.30	2.00	
Caladium Esculentum, 3 inches in diameter	.50	3 00	
Cannas, started, Austria	.30	2.00	15.00
Alphonse Bouvier	.50	3.00	
Alsace	.40	3.00	25 00
Burbank	.40	3.00	25 00
Chas. Henderson	.40	3.00	25 00
Florence Vaughan	.50	3.50	30.00
Italia	.30	2.00	15.00
Bronze Beauty	.30	2.00	15.00
Mlle. Berat	.50	3.00	25.00
Paul Marquant	.30	2 00	15.00
Cuphea Llavæ Tricolor	.40	2.50	
Cooperia Drummondii	.25	1.50	
Cactus, Queen of Night	.40	2.50	
Cinnamon Vine	.30	2.00	
Crinum, Milk and Wine Lily, fine bulbs	1.50	10.00	
Crinum, Milk and Wine Lily, extra large	2.50	15.00	
Dracæna Indivisa	.30	2.50	20.00
Daisies, Marguerite, white, yellow and blue	.40	3.00	25 00
Eulalia Gracillima	.40	2.50	
Ficus Elastica, 12 to 15 inches	4.00	25.00	
Ficus Elastica, 18 inches	5.00	30.00	
Ferns, Boston, fine plants	.40	2.50	22 50
" " in lots of 5,000 or over			20 00
Pteris Tremula	.50	4.00	
Pteris Wimsetti, fine for dishes	.40	3.00	
Feverfew, Little Gem	.30	2.00	15.00
Fuchsias, leading sorts	$ .50	$ 3.00	$25 00
Geraniums, Apple Scented	.50	3 00	
Pelargoniums, or Lady Mary Washington, 12 best kinds	1.00	7.00	65.00
Grevillea Robusta	.30	2.00	15.00
Gladioli, best mixture		1.25	10.00
Hibiscus, 10 best sorts	.40	3.00	25.00
Peachblow	.50	4.00	35 00
Heliotrope, 6 best sorts	.40	2.00	18.00
Hydrangea Otaksa and Thomas Hogg	.50	3.00	25.00
Impatiens Sultani	.30	2.50	20.00
Honeysuckles	.40	3.00	25.00
Jasmines, 6 best kinds	.50	3.00	
Lilies, hardy, best kinds	1.00	7.00	
Lantanas, 10 best bloomers	.40	2.50	20.00
Lantanas, weeping	.25	1.50	12.00
Lemon Ponderosa, a grand plant, 2½-inch pots	60	5.00	40.00
3-inch pots, 12 inches high	1.00	6.00	
4-inch pots, strong	1.25	8.00	
5-inch pots, strong, 20 inches high	1.50	12.00	
8-inch pots, extra strong, 2½ to 3 feet high	5.00	30.00	
Linum Trigynum	.30	2.00	
Madeira Vine Tubers	.25	1.50	
Mahernia or Honey Bells	.30	2.00	
Orange, Otaheite	.50	3.00	
Orange, Otaheite, strong plants	1.00	8 00	
Oleanders, 2 sorts, pink and yellow	.50	3.50	
Pæonias, best assortment	1.50	10.00	
Pinks, Hardy Scotch, best sorts	.40	3.00	25 00
Primula Forbesi, Baby Primrose	.40	2.50	20.00
Privet, California, 2 to 2½ feet	.50	3.50	
Plumbagos, Lady Larpent, hardy blue	.40	2.00	
Capensis Alba, white	.50	3.00	
Palms, young plants for growing on, 2½-in. pots			
Livistona Sinensis, dwarf Jap. palm	.40	2.50	
Phœnix Canariensis	.40	2.00	
Phœnix Reclinata	.50	3.00	
Seaforthia Elegans, 8 to 10 inches	.60	4 00	
Chamærops Excelsa	40	2.50	
Washingtonia Filifera	.40	2 50	20 00
Latania Borbonica	.40	2.50	20.00
Rudbeckia Golden Glow	.40	3.00	
Russelias, two new sorts	.40	2.50	20.00
Swainsona, pink and white	.40	2.00	18 00
Smilax	.30	2.00	15.00
Spiræa Anthony Waterer, 2½-inch	.40	2 50	20.00
Spiræa Anthony Waterer, field grown	.60	4.00	35.00
Salvias, all colors	.40	2.50	20.00
Sansevieria Zeylanica	.40	2 50	20 00
Stephanotis Floribunda	.40	2 50	20.00
Torenia, New Everblooming	.75	6.00	
Vinca Major Variegata	.40	2.50	20 00
Vinca Major Variegata, 3-inch, strong	1.00	6.50	
Violets, double, best sorts	.50	3.00	
Hardy Russian	.40	2.50	20.00

Our new trade list for April and May is now ready. Write for it.

THE GOOD & REESE CO., SPRINGFIELD, O.

The Largest Rose Growers in the World.

San Francisco.

SOCIETIES DISAGREE ON THE MANAGEMENT OF THE MAY EXHIBITION.—HORTICULTURISTS WITHDRAW AND PLAN SHOW OF THEIR OWN.—DEATH OF MRS. CLACK.—STATE OF TRADE.

A serious disagreement has arisen between the California State Floral Society and the Pacific Coast Horticultural Society over the arrangements which are being made for the flower show May 22 to 24. The ladies of the State Floral Society claim that the men of the Horticultural Society are imbued with a commercial spirit, while the men declare that Mrs. John R. Martin of the Floral Society wants to run things. As a result the horticulturists have withdrawn their support from the exhibition, which will now be conducted entirely by the Floral Society, and at a recent meeting the Horticultural Society decided to hold a show of its own August 15 and 16, at which date the city will be full of visitors because of the Knights of Pythias meeting. Almost every grower is a working member of the society, which practically assures the success of the exhibition.

Business has slackened a little and the prices all around have come down somewhat. Carnations are more plentiful than ever, spring crops coming in with everybody. Roses are also plentiful and well colored, but with the exception of Kaiserin, Mme. Testout and Pres. Carnot the buds are small. Sweet peas are coming in a little more plentifully but are still away up in price. Lilies are hard to sell and violets are no longer to be had.

Sidney Clack has the sympathy of the community in the loss of his wife, who died April 14 at the age of 51 years. Mr. and Mrs. Clack were married in New York and six years later removed to Chicago, where they lived four or five years, going thence to Monterey, where Mr. Clack was head gardener at the Hotel Del Monte. For the past six or seven years he has been in business for himself at Menlo Park. GOLDEN GATE.

CARNATIONS

Well Rooted and Healthy.

	Per 100	Per 1000
PROSPERITY, white overlaid with pink	$6.00	$50 00
GOV. ROOSEVELT, crimson	6.00	50.00
QUEEN LOUISE, white	4.00	40.00
BON HOMME RICHARD, white	4.00	30 00
IRENE, pink	4.00	30.00
TRIUMPH, pink	2.00	15 00
WHITE CLOUD, white	2.00	15.00
THOS. W. LAWSON, pink	4.00	35.00
MARQUIS, pink	2.50	20.00
G. H. CRANE, scarlet	2.00	15.00
AMERICA, scarlet	2.00	15.00
MRS. BRADT, variegated	2.50	20.00
GUARDIAN ANGEL	1.75	15.00

MICHAEL WINANDY,
DEVON AVE. AND NORTH ROBEY. **CHICAGO.**

BEGONIA GLOIRE DE LORRAINE,

2¼-inch pots, $15.00 per 100.

Write for prices on large lots. Stock guaranteed absolutely free from disease.

THOMAS ROLAND, Nahant, Mass.

ROSES!

We offer the following named varieties of young Roses, from 2 1-2-inch pots, extra fine stock, all in perfect condition. 25 at 100 rate. 250 at 1000 rate.

$2.50 PER 100; $20.00 PER 1000.

Alfred Aubert	Enchantress	Mme. Jos. Schwaller	Perle d' Or
Baronne Berge	Gen. Tartas	Mme. Jos. Schwartz	Princess Marie Adelaide
Bougere	Gloire des Polyantha	Mme. Scipion Cochet	Princess de Sagan
Catherine Mermet	Helene Cambier	Mme. Lambard	Psyche
Chas. Legrady	H. M. Stanley	Mme. C. Berthod	Rubens
Chas. Rovolli	Isabella Sprunt	Mme. Philemon Cochet	Souv. de Victor Hugo
Climbing Bridesmaid	Jas. Sprunt	Mme. Jeanne Couvier	Safrano
Climbing Meteor	Jeanne Drivon	Mignonette	Snowflake
Coquette de Lyon	Jos. Metral	Mous. Furtado	Solfaterre
Cornelia Cook	Jules Finger	Mlle. Fr Kruger	Souv. de Fr. Gaulain
David Pradel	Lamarque	Maurice Rouvier	Sylph
Douglas	Louis Richard	Meteor	Yellow Rambler.
Duchess de Brabant	Mme. Camille	Mosella	
Duchesse Marie Salviati	Mme. C. Kuster	Muriel Graham	

$2.75 PER 100; $22.50 PER 1000.

Bridesmaid	Mme. Elie Lambert	Maman Cochet	The Bride
Caroline Goodrich	Mme. Hussou	Marie Van Houtte	The Queen
Climbing Perle	Mme. Jos. Laperreire	Perpet's Triumph	Virginia
Climbing Malmaison	Mme. Hoste	Pink Soupert	White Bon Silene
Crimson Rambler	Mme. Welche	President Cleveland	

$3.00 PER 100; $25.00 PER 1000.

Auguste Compte	Edouard Littaye	Mrs. Robert Peary	Souv. de Jeanne Cabaud
Augustine Halem	Helen Gould (Balduin)	Ophirie	Souv. de la Malmaison
Antoine Weber	Johannes Wesselhoff	Papa Gontier	Striped La France
Bertha Clavel	Kaiserin Aug. Victoria,	Princess Venosa	White La France
Climbing Wootton	F. L. Segeis	Rainbow	White Marechal Niel
Crown Princess Victoria	Marquise de Vivens	Reine Marie Henrietta	
Emilie Gouin	Mme. Margottin	Soubreuil	

HYBRIDS, $3.00 PER 100; $25.00 PER 1000.

Anna Alexieff	Coquette des Alpes	Gloire de Ex. Bruxelles	Mme. Plantier
Ball of Snow	Francois Levet	Giant of Battles	Perle des Blanches
Coquette des Blanches	Glory Lyonnaise	Lord Roseberry, La Reine	Prince Camille de Rohan

$3.50 PER 100; $30.00 PER 1000 Clio, Capt. Christy, Magna Charta.

HARDY CLIMBERS, $2.50 per 100; $20.00 per 1000, Royal Cluster, Prairie Queen, Tennessee Belle, White Rambler, Baltimore Belle.

AMERICAN WONDER, Ponderosa Lemon, from 2½-in. pots, $3.50 per 100.

HIBISCUS, double and single, including **Peachblow** and variegated leaf **Cooperi Tricolor,** $2.50 per 100; $20.00 per 1000.

CANNAS, started plants in 2½ and 3-in. pots: Austria, $3.00 per 100; Chas. Henderson, $3.00 per 100; Italia, $4.00 per 100; Souv. de Asa Gray, $3.00 per 100. Same varieties from sand nicely started, 6 to 10 in. high, good foliage, $2 per 100.

PLUMBAGO, red, $3.00 per 100; blue, $2.50 per 100.

ASP. SPRENGERI, $2.50 per 100; $20.00 per 1000.

IPOMOEA LEARI, (Blue Moonflower), $25 per 100; $20.00 per 1000.

BEGONIA. Albo-Picta, Compta, Fuchsioides, Coccinea, Hybrida Multiflora, Zebrina, Decorus, $2.50 per 100.

ACHANIA, MALVAVISCUS, $2.00 per 100.

SANSEVEIRA ZEYLANICA, 2½-inch, $3.00 per 100.

HONEYSUCKLE, Chinese twining, pot grown, 2½-inch, $2.50 per 100.

BOSTON FERNS, 2½-in., $3 per 100; $25 per 100.

Unknown correspondents please send cash with order or give satisfactory reference. We guarantee Satisfaction.

THE GEO. H. MELLEN CO. Innisfallen Greenhouses, Established 1877. **SPRINGFIELD, O.**

Please mention the American Florist when writing

CRESSBROOK. The coming Pink Carnation for everybody to grow.

Baltimore, Feb. 21, 1901, it scored 94 Points, the highest of any seedling. Cressbrook has never shown disease of any kind and is an extra free bloomer. Size of flowers under ordinary culture, 3 to 3½ inches.

Orders will be delivered in rotation on and after Jan. 1, 1902, at the following prices:

12 plants	$ 1.50	250 plants	$25.00
25 plants	3.00	500 plants	37.50
50 plants	5.00	1000 plants	75.00
100 plants	10.00		

C. WARBURTON, FALL RIVER, MASS.

Cressbrook may be seen growing at

THE E. G. HILL CO'S., Richmond, Ind., and at WM. NICHOLSON'S, Framingham, Mass.

Carnation Cuttings

Perfectly Healthy. Propagated From Choice Stock. NOW READY.

Queen Louise. The Best White Commercial Carnation, **$5.00** per Hundred; **$40.00** per Thousand.

	Per 100	Per 1000
PROSPERITY	$6.00	$50.00
MRS. THOS. LAWSON	4.00	35.00
GOV. ROOSEVELT	6 00	50.00
HOOSIER MAID	4.00	
IRENE	4.00	
EGYPT	4.00	
MARQUIS	2.50	20.00
VICTOR	2.00	
GOMEZ	$2.00	
CROCKER	1.50	$12.50
GENEVIEVE LORD	1.50	12.50
DAYBREAK	1.50	12.50
ELDORADO	1.50	12.50
JUBILEE	1.50	12.50
PORTIA	1.50	12.50

J. L. DILLON, Bloomsburg, Pa.

PALMS.

HOME-GROWN, FINE, CLEAN STOCK; GROWN COOL.

Write for Price List. **J. B. HEISS,**
The Exotic Nurseries, **DAYTON, OHIO.**

BOBBINK & ATKINS,
Plant and Bulb Merchants,
RUTHERFORD, N. J.

Directory for 1902.

Price $2.00 Postpaid.

THE AMERICAN FLORIST COMpany's Trade Directory for 1902, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 418 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Private Gardeners, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information. Published by the

American Florist Co.

324 Dearborn St., Chicago, Ill., U. S. A.

Contains 418 Pages.

Now Ready

St. Paul.

BUSINESS BRISK BUT CUT FLOWER SUPPLIES ARE LARGE AND WHOLESALE PRICES ARE ON THE DECLINE.—BEDDING STOCK OCCUPIES ATTENTION.—DOINGS IN THE PARKS.—VARIOUS NOTES.

Trade has been quite active and everybody is kept busy. Roses and carnations are plentiful and wholesale prices have dropped accordingly. Funeral work has been in good demand, and country trade fairly good. Violets are seen no more and bulbous stock is becoming quite scarce. L. L. May & Company are carrying valley pips and Japanese lily bulbs in cold storage for early fall and winter forcing. The growers are busy shifting small plants and spreading out their annual crops of bedding stock. While there is a good demand for this class of stock the low prices at which it is sold leave but a little margin of profit to the growers and none at all to the store men. There certainly is much more profit in growing roses, carnations and violets for their blooms than in geraniums, cannas, heliotropes, coleus and so forth, but how often we see the former neglected for the sake of the latter.

The annual report of Superintendent Nussbaumer, of the City Parks, has been issued and is most interesting. Among other items 1,652 trees and shrubs were planted during the year. Four acres of ground were planted to nursery stock, which was grown from seed and cuttings. In all 112,000 trees were planted in their permanent location. Flower beds were planted and maintained in twenty-two different parks, the total number of plants handled and planted being 238,892, including 127 varieties. The city greenhouses are overflowing with bedding stock, while nearly 200 hot bed sash are in use outside. The park work has given an impetus to the beautifying of private grounds and indirectly benefited the florists.

A recent caller was Lloyd Vaughan, of E. H. Hunt's, Chicago. FELIX.

All The Best **CARNATIONS**

Cressbrook (pink), Oriole (scarlet), Mrs. Nelson (pink), $1.50 per doz.; $10 per 100. Mrs. Palmer (scarlet), Mrs. Higinbotham (salmon pink), Alba (large white), Stella (variegated), Dorothy Whitney (yellow), Apollo (scarlet), $2.00 per doz.; $12.00 per 100.

	Per 100	Per 1000
Estelle, Best Scarlet	$5.00	$40.00
Norway, Large White	5.00	45.00
Prosperity, Fancy	6.00	45.00
Queen Louise, White	5.00	45.00
Dorothy, Productive Pink	5.00	45.00
Morning Glory, Lt. Pink	2.50	20.00
Marquis, Largest Pink	2.50	20.00

Fine stock of rooted cuttings of above and twenty-five other kinds. Get our prices on what you need.

GEO. HANCOCK & SON,
GRAND HAVEN, MICH.

500,000 VERBENAS.

60 finest named varieties, including our NEW MAMMOTH WHITE, "MRS. McKINLEY." The finest white verbena grown; perfectly healthy; free from disease. Rooted cuttings, 60c per 100; $5.00 per 1000. Plants, $2.50 per 100; $20.00 per 1000. Our list is the choice of millions of seedlings. Send for circular.

J. L. DILLON, BLOOMSBURG, PA.

Please mention the American Florist when writing.

CARNATION CUTTINGS

All the new and standard varieties, free from rust and all other diseases. Our stock is in fine shape and all cuttings are well rooted when sent out.

	Per 100	Per 1000
HIGINBOTHAM	$12.00	$100.00
MRS. POTTER PALMER	12.00	100.00
PROSPERITY	4.00	30.00
NORWAY	5.00	40.00
IRENE	3.00	25.00
LAWSON	3.00	25.00
BON HOMME RICHARD	3.00	25.00
HOOSIER MAID	3.00	25.00
CRANE	1.25	10.00
THE MARQUIS	1.25	10.00
GENEVIEVE LORD	1.25	10.00
ARGYLE	1.00	7.50
GUARDIAN ANGEL	1.25	10.00
FRANCES JOOST	$1.00	$7.50
CERISE QUEEN	1.00	7.50
TRIUMPH	1.25	10.00
FLORA HILL	1.25	10.00
WHITE CLOUD	1.25	10.00
PERU	1.00	7.50
AMERICA	1.25	10.00
MRS. L. INE	1.50	12.50
MRS. BRADT	1.75	15.00
ARMAZINDY	1.25	10.00
EVANSTON	1.00	7.50
ESTELLE	5.00	40.00

ROSE PLANTS.

2¼-in. pots.	Per 100	Per 1000
BRIDE	$3.00	$25.00
METEOR	3.00	25.00
PERLE	3.00	25.00
GOLDEN GATE	$3.00	$25.00
LIBERTY	12.00	100.00

All Plants and Rooted Cuttings sold under express conditions that if not satisfactory when received they are to be returned immediately, when money will be refunded.

Write for prices on large quantities.

Peter Reinberg, 51 Wabash Ave., Chicago

Rose Plants for Sale

GOOD CLEAN STOCK, WELL ESTABLISHED.

Brides, Bridesmaids, Meteors and Golden Gates, 2-in. rose pots, $30 per 1000; 3-in. rose pots, $45 per 1000; 4-in. rose pots, $60 per 1000.

CHRYSANTHEMUM ROOTED CUTTINGS.... TIMOTHY EATON, $3 per 100.

The following varieties at $1.50 per 100:

WHITE—Early.
Fitzwygram,
Kuno,
White Glory of Pacific.

WHITE—Mid-season.
Ivory,
Snow Queen,
Evangeline,
Mrs. H. Robinson.

WHITE—Late.
Mrs. Jerome Jones.

YELLOW—Early.
Yellow Fitzwygram,
Marion Henderson.

YELLOW—Mid-season.
Bonnaffon,
Mrs. O. P. Bassett.

YELLOW—Late.
Yellow Jerome Jones.

RED.
Malcolm Lamond,
Intensity.

PINK—Early.
De Montmort,
J. K. Shaw,
Glory of Pacific.

PINK—Mid-season.
Xeno,
Viviand-Morel,
Pink Ivory.

PINK—Late.
Mrs. Murdock.

BRONZE.
Oakland.

Greenhouses, HINSDALE, ILL. **BASSETT & WASHBURN,** Store, 76 Wabash Ave., CHICAGO.

New Chrysanthemum "CREMO"

FIRST-CLASS CERTIFICATE FROM C. S. A.

The best early yellow Chrysanthemum to date; comes in with Glory of Pacific, from which it is a sport. A beautiful soft shade of yellow, the color being much more distinct than is usual with sports. It just fills a vacancy in yellow at that season.

PRICES FROM 2¼-INCH POTS.

35c each; $3.00 per dozen; $20.00 per 100.

McMILLAN & SONS, Hudson Heights, N. J.

ROOTED CUTTINGS

Estelle, $5.00; Lawson, $4.00; Marquis and Elm City, $2.00; Crocker and Lord, $1.00 per 100. Other varieties on application.

DANA R. HERRON, OLEAN, N. Y.

CARNATIONS

Mrs. Frances Joost, Ethel Crocker, Lizzie McGowan, Mary Wood, Hoosier Maid, Wm. Scott, Crane, etc., in 2½-in., ready for field.
SMILAX, 2½-in., extra stock.
BOSTON FERNS, 2½, 3, 4, 5, 6, 7-in. Write

GEO. A. KUHL, Pekin, Ill.

Dreer's Offer of Hardy Vines and Climbers.

AMPELOPSIS VEITCHII.

	Per doz.	Per 100
Strong 2-year old plants	$1.25	$10.00
Extra select, 2-year old plants	1.50	12 00

ARISTOLOCHIA SIPHO.

Strong long vines, extra heavy, per doz..... $3 00

CLEMATIS PANICULATA.

	Per doz.	Per 100.	Per 1000
Strong one year old	$ .75	$6 00	$50.00
" two "	1.00	8 00	70.00
" three "	2.00	15.00	

CLEMATIS LARGE FLOWERED VARIETIES.

Strong two-year old plants of the following popular sorts. Boskoop Seedling, Duchess of Edinburgh, Fairy Queen, Gypsy Queen, Henryi, Jackmani, M. Koster, Mme Baron Veillard, Mme Van Houtte, Miss Bateman, Standishi, The Gem and The President, $3 00 per doz.; $25.00 per 100.

HARDY ENGLISH IVIES.

An extra fine lot of bushy plants in 4 in. pots, 3 ft. high, 3 to 5 shoots, $1 25 per dozen; $10 per 100.

CLIMBING HYDRANGEA.

SCHIZOPHRAGMA HYDRANGEOIDES—A limited lot of extra strong plants established in tubs, 3 to 4 feet high, which will produce an immediate effect, $1.50 each.

WISTARIA SINENSIS.

Strong 3-year old plants, Blue, $3.00 per dozen; White, $3.50 per dozen.

A Few Leaders in

HARDY PERENNIALS.

For the most complete list and largest stock offered in this country, see our current Trade List. With few exceptions all the varieties offered below are suitable for cut-flower purposes.

	Per doz	Per 100
Anemone Japonica.....2¼-inch pots,	.75	$5.00
" " Alba 2¼ " "	.75	5 00
" Lady Ardilaun 2¼ " "	.75	5 00
" Whirlwind.....2¼ " "	.75	5 00
" Queen Charlotte 2¼ " "	.75	6.00
Asters, Hardy, 10 choice varieties, strong divisions	1.00	8.00
Boltonia Asteroides, strong plants	.75	6.00
Boltonia Latisquama, " "	.75	6.00

	Per doz.	Per 100
Caryopteris Mastacanthus, 3-in pots	.75	6.00
Chrysanthemum Hardy Pompon 2¼-inch pots	.50	3.00
Chrysanthemum Maximum Triumph, 3-inch pots	.75	6.00
Chrysanthemum Maximum Filiformis, 3-inch pots	.75	6.00
Clematis Davidiana, strong 1-year-old clumps	75	6.00
Clematis Recta, 2-year old plants	1.50	12.00
Coreopsis Lanceolata Grandiflora strong 3-inch pots	.60	4.00
Coreopsis Lanceolata Grandiflora large clumps	.75	6.00
Dictamnus Fraxinella, strong plants	1.00	8.00
" " Alba " "	1.25	10.00
Dielytra Spectabilis " roots	.75	6.00
Euphorbia Corollata	.60	4.00
Gaillardia Grandiflora, strong 3-in. pots	.75	6.00
" " " 4 "	1.00	8.00
Gypsophila Paniculata, strong 1-yr-old	.75	6.00
Helenium Autumnale Superba strong divisions	1.00	8.00
Helenium Grandicephalum Striatum strong divisions	.75	6.00
Helenium Hoopesi, strong divisions	1.00	8.00
" Pumilum.....3-in. pots	1.00	8.00
Helianthus Multiflorus flore pleno, 2¼-inch pots	.75	6.00
Helianthus Multiflorus Maximus, 2¼-inch pots	.75	6.00
Heliopsis Pitcherianua, strong divisions	.75	6.00
" Scaber Major " "	.75	6 00
Heuchera Sanguinea, 3-inch pots	1.00	8.00
Iris Kæmpferi, 25 choice named vars.	1.25	10.00
" Germanica 10 " " "	.75	6.00
Physostegia Virginica ....3-in. pots	.75	6.00
" " Alba " "	.75	6.00
Pyrethrum Uliginosum, strong plants	1.00	8.00
Primula Veris Superba " "	1.25	10.00
Rudbeckia Golden Glow strong division	.50	4.00
" Newmani " "	.75	6 00
" Purpurea " plants	1.00	8.00
" Subtomentosa " "	.75	6 00
" Triloba, 3-inch pots	.75	6.00
Salvia Azurea Grandiflora, strong plants	1.00	8.00
Scabiosa Caucasica.....strong plants	1.00	8.00
" " Alba " "	1 25	10.00
Stokesia Cyanea " "	1.25	10.00
Tritoma Pfitzeri " "	1 00	8.00
Veronica Longifolia Subsessilis 2¼-inch pots	.75	6.00

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

ROOTED CARNATION CUTTINGS.

Why not get the Best? They are the Cheapest.

You don't have to buy 200 to have 100 fit to plant out, when planting time comes. For every 100 we send, you have 101 when ready to plant.
We have the finest and largest stock of NORWAY and ESTELLE in the country.
Stock marked (*), now ready in flats. Send us a list of your wants for special prices on large lots.

	Per 100	Per 1000
*General Maceo	$1.75	$15.00
*Ethel Crocker	1.75	15.00
*G. H. Crane	2.50	20.00
*Genevieve Lord	2.00	15 00
*Marquis	2.00	17.50
*Mrs. G. M. Bradt	2.50	20.00
*Chicago	3.50	30.00
*Morning Glory	3.00	25.00
*Mrs. T. W. Lawson	5 00	40.00
*Queen Louise	5.00	45.00
*Norway	4.50	40.00
Prosperity	6.00	50.00
*Governor Roosevelt	6.00	50.00
*Estelle	6.00	50.00
*Cressbrook	10.00	75 00
Enquirer	12 00	100.00
*Mrs. Potter Palmer	12.00	100.00
*Mrs. Higinbotham	12.00	100.00

BOSTON FERNS.

In pans, grown the way you like them, full, bushy, compact stock, ready for your counter trade.

	Each	Doz.	100
12-inch pans	$4.00	$40.00	
10-inch pans	3.00	30.00	
9-inch pans	2.00	20.00	
8-inch pans	1.50	15.00	
7-inch pans	1.00	10.00	
6-inch pans	.75	8.00	$60 00
5-inch pans	.50	5.00	40.00
4-inch pots		2.50	20.00
3-inch pots		1.50	10.00
2½-inch pots		.60	5 00

Started Plants of Cannas.

a full line of all the leaders. Write for prices.

ASPARAGUS PLUMOSUS NANUS.

Fine bushy stock in large quantity.

	Doz.	100	1000
5-inch pots	$4.00	$30.00	
4-inch pots	2 00	15.00	
3-inch pots	1.00	8.00	$70.00
2½-inch pots	.60	5.00	40.00

ARAUCARIA EXCELSA. A Big Bargain.

5-inch pots, 18 to 20 inches high, 4 to 6 whorls, each, 75c; dozen, $9.00.

FICUS ELASTICA (Rubber Plant).

7-inch pots, 36 inches high, very fine stock, $9.00 per dozen.

PHŒNIX CANARIENSIS.

Fine bushy plants, 8-inch pots, 36 inches high, each, $2.50; dozen, $24 00.

GREENHOUSES: WESTERN SPRINGS, ILL.

VAUGHAN'S SEED STORE, 84-86 RANDOLPH ST., CHICAGO. 14 BARCLAY ST., NEW YORK.

CROWDED FOR ROOM? You want to buy Roses now, but are crowded for room. Why not place your order now with **Geo. A. Kuhl** and have them grown into 3-in. for May or June delivery. We believe in shifting Young Roses often. All stock offered in 2½-in. has been shifted from 2-in. and is equal to most stock advertised as 3-in., and when we send it out is well established. Our varieties, Meteors, Brides, Maids, Perles, La France, Kaiserin, Wootton, Belle Siebrecht, Pres. Carnot, Golden Gate, Am. Beauties, and Liberty. Write us at **Pekin, Ill.**

For Sale TWO PALMS. One Latania Borbonica, 5 feet tall, 12 leaves, each 47 inches across and 56 inches long. One Sago, 37 leaves, 27 to 37 inches long; $21 for the two. F. & S. LEE, Marion, Ala.

Please mention the American Florist when writing.

Carnation Floriana

We believe this to be the best pink carnation introduced to date, was disseminated in the spring of 1901 by originators, Messrs. Fillow & Banks. Price, $6.00 per 100; $50.00 per 1000. 50 at 100 rate, 500 at 1000 rate. Less than 50, 8c each.

DAILLEDOUZE BROS. Carnation and Chrysanthemum Specialists, FLATBUSH, BROOKLYN, N. Y.

Please mention the American Florist when writing.

Pittsburg.

TRADE TAKES AN UNEXPECTED BUT NOT UNWELCOME SPURT.—GOOD PROSPECT FOR CONTINUED ACTIVITY.—SPRING BUSINESS ALREADY AT HAND.—A GOOD CARNATION.—VARIOUS NOTES.

Things are certainly coming our way this week. Luncheons, dinners, weddings and funerals, coupled with transient trade, go to make up the order of business for the week. This period of excessive activity is not usual of course, but nevertheless is very welcome. The outlook for a continuance of brisk business is favorable. Market places and stores are beginning to wear their spring garb, for blooming plants are arriving in quantity and sell rapidly. We are highly pleased with the condition of the roses, for all are unusually fine. High grade and high priced carnations are plentiful enough, but good whites and cheaper pinks are very scare. The Goethe carnation is in great demand. I have not noticed any reference to it in the trade papers. It is a shell pink, about the same shade as Morning Glory, but quite distinct. The bloom is large and the stem strong. It is very useful in center pieces.

Wm. Fitzsimons, at Randolph & McClements', has been suffering from a severe attack of rheumatism. He will be out next week after an absence of two months from duty.

The Pennsylvania Reform School, Robt. Gonderman, foreman, has decided to build a palm house 60x70 feet.

Charles Koenig, of Etna, is growing some fine roses. He is very successful with Liberty.

Alexander R. Peacock is to erect a private conservatory, also a special house for orchids. E. L. M.

DANVILLE, KY.—C. M. Harbison says that in his neighborhood the buds on peaches, pears and cherries are killed. The severe weather of December is thought to have been the cause. Mr. Harbison combines the florist, nursery and orchard business.

LAST CALL

CARNATIONS

MRS. HIGINBOTHAM,

The great light pink of the future; a winner everywhere.

Peter Reinberg, says: "Book me for 10,000."

W. N. Rudd says: "It's got 'em all skinned to death on color."

We are now shipping nice stock from soil at $12.00 per 100; $100.00 per 1000.

MRS. PALMER,

The best scarlet ever introduced; send for sample blooms. 3-foot stems, perfect flowers, 3½-in. in diameter, free as any variety of any color.

$12.00 per 100; $100.00 per 1000.

	Per 100	Per 1000
CHICOT	$3.00	$50.00
PROSPERITY, from soil	4.00	30.00
CRANE, from soil	2.00	12.50
GOMEZ, from soil	2.00	12.50
ROOSEVELT	5.00	40.00
NYDIA	2.00	15.00
AVONDALE	2.00	15.00

Chicago Carnation Co., Joliet, Ill.

Please mention the American Florist when writing.

ROOTED CUTTINGS

CARNATIONS.

	Per 100	Per 1000		Per 100	Per 1000
PROSPERITY	$4.00	$30.00	G. H. CRANE	$1.25	$10.00
IRENE	3.00	25.00	FLORA HILL	1.25	10.00
MRS. LAWSON	3.00	25.00	MRS. JOOST	1.00	6.00
MARQUIS	1.25	10.00	WHITE CLOUD	1.25	10.00

ROSE PLANTS from 2½-in. pots.

	Per 100	Per 1000		Per 100	Per 1000
METEOR	$3.00	$25.00	BRIDESMAID	$3.00	$25.00
PERLE	3.00	25.00	GOLDEN GATE	3.00	25.00
BRIDE	3.00	25.00	KAISERIN	3.00	25.00

The above named stock is clean, well rooted and free from disease.

GEO. REINBERG, 51 WABASH AVENUE, CHICAGO.

Am. Beauties ROOTED CUTTINGS

$25.00 PER 1000.

This stock is free from spot, thoroughly rooted and first class in every respect. If not satisfactory or just as represented by us you can return same at once.

J. A. BUDLONG, 37 and 39 Randolph St., CHICAGO, ILL.

METEOR 7000 VERY FINE PLANTS

2 1-2-inch Pots

$2.50 PER 100.
$20.00 PER 1000.

South Park Floral Co., New Castle, Ind.

The New White

That is Hard to Beat. Rooted Cuttings from flats, A No. 1, stuff. Per 100, $4.50; per 1000, $40.00.

Vaughan's Seed Store, CHICAGO New York

ARE YOU INTERESTED IN

American Beauties?

We have now over 10,000 in sand and pots, up to 3-inch. Write us.

GEO. A. KUHL, PEKIN, ILL.

Alternantheras P. MAJOR and A. NANA....

Strong rooted cuttings, 50 cts. per 100, or $4.00 per 1000. From 2-inch pots, $1.50 per 100.

DAVIS BROS., MORRISON, ILL.

Please mention the American Florist when writing.

Ivory

or White Golden Gate.

Guaranteed TRUE STOCK

Strong plants out of 2-in. pots.

$6.00 PER 100.
27.50 PER 500.
50.00 PER 1000.

W. A. Hammond
107 E. Broad St., Richmond, Va.

Roses, Roses.

Brides, Maids, 2½-in., $3.50 per 100.
Perles and Golden Gate at $4.00 per 100.
Wichuraiana at $3.00 per 100.

Have a few hundred Kaiserin and Belle Siebrecht left at $4.00 per 100.

This is strong healthy stock, from 2 to 3-eyed cuttings and has been repotted from 2-inch. Special prices in Large Lots.

Send $1.00 for Samples.

J. C. MURRAY, THE FLORIST,
PEORIA, ILLINOIS.

Mention the American Florist when writing to advertisers on this page.

12,000 OLD

Beauty Plants

$50.00 PER 1000.

Have been one year on bench Perfectly Healthy stock, guaranteed to be satisfactory in every respect. Special care given to dampening and mossing of roots for shipment.

J. A. BUDLONG,
37-39 Randolph St. CHICAGO.

Carnations & Roses

AMERICAN BEAUTY

From 2½-inch pots, $6.00 per 100; $50.00 per 1000.
From 3-inch pots, 7.50 per 100; $70.00 per 1000.

CARNATIONS FROM SOIL

Wm. Scott	$1.50 per 100;	$12.50 per 1000
Norway	3.50 per 100;	30.00 per 1000
Genevieve Lord	3.00 per 100;	25.00 per 1000
Prosperity	4.00 per 100;	35.00 per 1000

A. L. THORNE, FLUSHING, N. Y.

LAST CALL

ESTELLE
CARNATION CUTTINGS.

$3.50 per 100; $35.00 per 1000. 75,000 sold to date. Send your order at once

WM. MURPHY, Station F. **Cincinnati, O.**
Wholesale Carnation Grower.

SPLENDID STOCK FOR EARLY PLANTING.....

3½-inch Bridesmaids, $5 00 per 100; $45.00 per 1,000. Brides and Maids, 2½-in., $3 00 per 100; $25.00 per 1000. Cash please.

ALBERT F. AMLING, Maywood, Ill.

ROSES

Crimson Rambler
Climbing Clothilde Soupert.

Ramblers, 3 to 4½ ft., well branched	$10 per 100
" 2½ to 3 ft., " "	8 per 100
" 1½ to 2½ ft., " "	6 per 100
Soupert, strong field-grown plants	15 per 100

The Conard & Jones Co, West Grove, Pa.
Please mention the American Florist when writing

CARNATIONS

Rooted Cuttings of all the new 1902 and best standard varieties. Send for price list.

WILLIAM SWAYNE,
BOX 226. KENNETT SQUARE, PA.

JOSEPH HEACOCK,
Wyncote, Pa., Grower of
Palms and Am. Beauty Roses.
Please mention the American Florist when writing.

WE HAVE TO VACATE

unexpectedly **OUR CARNATION FARM** at 60th and Market Streets, and therefore offer at

REDUCED PRICES.

The following Rooted Cuttings are

First-Class Carnation Stock

	Per 100	Per 1000
12,000 Norway	$3.00	$25.00
4,200 Prosperity	3 50	30.00
3,500 Lawson	3.50	30.00
7,500 Roosevelt	3.50	30 00
4,800 Estelle	4.00	40 00
2,500 Dorothy	$5.00	$40 00
2,000 Bradt	3 00	25.00
1,000 Maceo	1.50	10 00
1,500 Crocker	1 50	10.00
1,000 Flora Hill	1 50	10.00
1,200 Genevieve Lord	1.50	10.00

The above are all well rooted, in first-class condition, ready for immediate shipment.

ROBT. CRAIG & SON, Market and 49th Sts., **Philadelphia, Pa.**

The Sensational New Rose for 1902.

MRS. OLIVER AMES.

For description, prices, etc., see Trade List.

Henry A. Trask, Editor of "North American," says in a letter dated Feb. 19th, 1902. The box of roses arrived safely last Saturday afternoon. Please accept my thanks. To my mind they are the realization of the ideal. Yours very truly, H. A. TRASK, Editor.

$100.00 IS OFFERED IN PRIZES for Cut Flowers of this Rose at Madison Square Show next fall.

CHRYSANTHEMUMS Some new European varieties of sterling merit, the stock of which we control for the American Market, and also all the cream of last year's new European varieties, and all the New American varieties of this season's introduction; for those contemplating growing for the shows next fall the above will prove winners.

JOHN N. MAY, Summit, N. J.

Carnation Cuttings...

Well rooted, from clean, healthy stock, cool grown.

	Per 100	Per 1000
EGYPT	$1.75	$15.00
GENEVIEVE LORD	1.25	10.00
WHITE CLOUD	1.25	10.00
TRIUMPH	1.25	10.00
MME. CHAPMAN	1.25	9.00
ROOSEVELT	$4.50	$40 00
PROSPERITY	3.50	30.00
NORWAY	3 50	30.00
LAWSON	3.50	30.00
CRANE	1.50	12.50
PERU	1.25	9 00

Violets Imperial Farquhar, Marie Louise, rooted runners, $9.00 per 1000; from 2-in. pots, $27.50 per 1000. Swanley White, from 2-in. pots, $27.50 per 1000. Lady Campbell, rooted runners, $7 50 per 1000, from 2-inch pots, $22.50 per 1000.

GRAND RAPIDS VIOLET CO., Grand Rapids, Mich.

ROSES

DORMANT, Own Roots, Field Grown,

Two years old. Our own growing. Best Hybrid Perpetuals. Crimson Ramblers and Mosses. No. 1, $8; No. 1½, $6; No. 2, $3.50.

GOOD CONDITION GUARANTEED. WRITE FOR PRICE LIST.

W. F. HEIKES, Manager, 3019 NORTH BROADWAY, ST. LOUIS, MO.

New Orleans.

SPRING PLANT TRADE EXCELLENT.—INCREASED QUANTITIES OF MATERIAL OFFERED BUT ALL MOVED AT GOOD PRICES.—NO ACTIVITY IN THE HORTICULTURAL SOCIETY.

Our spring sales have been very good and every florist ought to be satisfied with the business done since the opening of the season. There was a time when the French market was the only place where flowers were sold in any quantity, but now at every small market you find stands with flowers, and judging by the amount sold, also by the street peddlers, you must conclude that the florist business is in a fair way of prosperity. Prices were good. Geraniums were offered in quantity, but not in excess and not to overstock the market, and good plants were sold at from $2 to $2 50 a dozen.

The meetings of our society have been very quiet lately. A few words were said about another show, but losing money, as we have been doing, is not encouraging and the matter has been dropped for the present. M. M. L.

Warren, O.

A steer ran into A. T. Hoyt's greenhouse, breaking benches and plants, and after inspecting the heating apparatus and doing $50 damage walked over the boiler on a 12-inch plank and departed via the back door. Hoyt seems to get more experiences than most florists.

John Adgate is going to build two more houses for carnations and roses this summer.

W. Mabees has gone to New Castle, Pa., to work for Fisher Brothers.

A.

LINCOLN, NEB.—Chapin Brothers will move into a new store at 127 South Thirteenth street May 10.

100,000 GIANT PANSIES

Best strain, strong plants, all transplanted and grown cool, 50c per 100; $4.00 per 1000. Express prepaid.

ASTERS, Hohenzollern, pure white, delicate rose and red (Roemer's), last year novelty, grandest aster to date. Mammoth size, 7 inches across, double to center, resembling a large Japanese chrysanthemum, unsurpassed for cutting or bedding, plants branching, with strong stems 18 to 20 inches long, 70c per 100; $6.00 per 1000.

Queen of the Market, white, red, pink and mixed.

Florists' Upright Branching, outer petals recurved, center petals incurved, superb cut flower, pure white, daybreak pink, fiery scarlet and lavender.

Late Branching or Semple's, white, rose pink, lavender, red and mixed.

All the above are the best money makers for florists, strong, healthy plants, assorted to suit, 50c per 100; $4.00 per 1000. Express prepaid for cash with order.

DES MOINES PLANT CO.,
38th St., Des Moines, Iowa.

"Fumigation Methods"

BY PROF. JOHNSON.

Every Grower needs this book..... Price $1.00

AMERICAN FLORIST COMPANY,
324 Dearborn Street, ...CHICAGO.

Geraniums, Carnations, Palms, Etc.

	Per 100
CARNATIONS, 2¼-in. pot plants.	
Marquis	$3.00
Ethel Crocker	2.50
California Gold	2.50
Crane	2.00
Joost	2.00
Mary Wood	2.50
White Cloud	2.00
GERANIUMS, S. A. Nutt, Mme. Barney, Richelieu, La Favorite, John Doyle, Mme. Charles Molin and Beaute Poitevine, $30.00 per 1000	
Jean Viaud	5.00
Marquis de Castellaine	6.00
Set of 4 New Brunnts for	.60
Set of 8 New Doubles for	1.50
In good assortment, our choice of varieties, $27.50 per 1000	
ROSE GERANIUMS, strong	2.50
CANNAS, all the standard varieties, strong roots	2.50
PRIMULA FORBESI	3.00
HELIOTROPES, six varieties	2.00
SELAGINELLA Emiliana	2.00

	Per 100
FUCHSIAS, in good assortment of varieties, 2¼-in. pots	$2.50
Areca Lutescens, 2¼-in. pots, $30.00 per 1000	4.00
Areca Lutescens, 3-in. pots	8.00
Areca Lutescens, 4-in. pots., 3 plants in a pot	20.00
Kentia Belmoreana, 2¼-in. pots	7 00
Kentia Belmoreana, 3-in. pots	15 00
Latania Borbonica, 2¼-in. pots	3.00
Latania Borbonica, 3-in. pot, $40 per 1000	5 00
Pandanus Utilis, 2¼-in. pots	5.00
Pandanus Utilis, 4-in. pots	15.00
Pandanus Veitchii, 4-in. pots, $6.00 per doz.	
ASPARAGUS PLUMOSUS, 2¼-in.	4 00
ASPARAGUS SPRENGERI, strong, 2¼-in.	2 00
ASPARAGUS SPRENGERI, strong, 3-in.	3.00
SPIRAEAS, Nana Compacta, Astilboides, Floribunda and Japonica at	3.50
AZALEA MOLLIS, fine for Easter	35.00
TUBEROUS ROOTED BEGONIAS, single, separate colors	3.00
TUBEROUS ROOTED BEGONIAS, double, separate colors	6.00
GLOXINIAS	4.00

The Storrs & Harrison Co.

PAINESVILLE, OHIO.

GERANIUMS.

We have ready for immediate delivery strong, thoroughly established plants from 2 1-4 and 2 1-2 inch pots, according to vigor of variety, in the following kinds:

Mme. Buchner, Countess d'Harcourt, Rene Bazin, Mme. Rozain, Eulalia, $3.50 per 100.

Beaute Poitevine, Mme. Laudry, Richelieu, Mme. Chas. Molin, Mme Barney, Comtesse de Castris, S. A. Nutt, Marvel, Mme. Ph. Labrie, Mme. Desbordes, Valmore, Marie Fournier, $4.00 per 100.

Alphonse Riccard, John Doyle, $4.50 per 100.

Jean Viaud, Mme. Charrotte, $5.00 per 100.

Pasteur, $8.00 per 100.

Le Soliel, $10.00 per 100.

THE COTTAGE GARDENS,

QUEENS, L. I.

Please mention the American Florist when writing.

PANSIES

The Jennings Strain.

Fine cold frame plants in bud and bloom, $1.50 per 100; $7 50 per 500. Cash with order.

E. B. JENNINGS, Lock Box 254, Southport, Conn.

Grower of the Finest Pansies.

Please mention the American Florist when writing.

Violets My Specialty

Good strong rooted runners of Princess of Wales and La France at $3 per 1000; $25 per 10,000; now ready. Also Tree Violets in 2½-in. pots and 8 to 12 inches high, ready May 1st, at $5 per 100. Orders booked now. Cash with order.

FD. BOULON, SEA CLIFF, L.I.

500,000

Pansies

Best Strain Grown for Market.

AWARDED first class certificate of the Mass. Horticultural Society. We grow all our own seed, carefully selecting our stock from a half million flowering plants. The result of over 25 year's selection, of strong compact growth, flowers of large size, fine form and substance and brilliant and novel colors.

We believe they will be found the most satisfactory strain on the market and invite comparison.

Large plants in bloom, $2.00 per 100; $20 00 per 1000.

Medium size, in bud or bloom, $1.60 per 100; $15.00 per 1000.

Smaller plants, $1.25 per 100; $10.00 per 1000. All fall transplanted. By express only. Cash with order.

I. E. Coburn

291 Ferry St., Everett, Mass.

FERNS.

Mixed varieties, strong stock and good assortment, in 2-inch pots, $3.50 per 100; $30 00 per 1000.

BEARD BROS., West Fort Street, ...DETROIT, MICH.

Please mention the American Florist when writing.

SPECIAL TRADE LIST FOR THE MONTH OF APRIL.....

Asparagus Comorensis. This new variety grows faster than Plumosus and makes strings in half the time, foliage more graceful and lighter in color, 2-in. 35c. doz.; $3 per 100.

	Size of pots.	Per doz.	100
Asparagus Plumosus	2	$ .35	$3.00
Asparagus Sprengeri	2	.25	2.00
Ageratum, dark and light blue	3	.50	4 00
Abutilon Savitzii	3	1.00	7.00
Bouvardias, single and double, white, pink, scarlet	2	.35	2.50
Bouvardia Humboldtii, jasmine flowering, sweet scented	2	.40	3.00
Carnations, McGowan, Flora Hill, Crocker	2½	.40	3.00
Chrysanthemums, best stand. var.	2½	.40	3.00
Cuphea Platycentra	2½	.40	3.00
Clematis, large flowering varieties, strong plants		4.00	
Clematis Paniculata, strong plants	4	1.50	10.00
Clematis Paniculata, strong plants	3	.75	5.00
Cobæa Scandens	3	.50	4.00
Dracæna Sanderiana	3	2.00	
Dracæna Indivisa	5	3.00	
Dracæna Seedlings from flats			1.00
Echeveria Glauca strong plants	4	1.00	7.00
Echeveria Secunda Glauca, flats			3.00
Feverfew, Little Gem	2½		3 00
Geraniums, best bedding varieties	3	.50	4.00
Geraniums, Mrs. Parker	2½	.75	5.00
Geraniums, Mme. Salleroi	2½	.35	3.00
Gleohoma, variegated German Ivy	2½	.35	3.00
Hydrangea, Thos. Hogg	2½	.50	4 00
Ivy, hardy English strong plants	4	1.50	10 00
Ivy, hardy English	3	.75	5.00
Lobelias, Emperor William, Pumila splendens and pure white	2½	.35	3 00
Lantana, Le Naine, best dwarf var.	2½	.35	3.00
Petunia, double white	2½	.35	3 00
Umbrella Plants	3	.75	5.00
Violets, the California, La France and Princess of Wales		.35	3.00
Vincas, variegated, strong plants	4	1 00	7.00
Aster Plants, Queen of the Market, Semple's, from flats			1.00
Chrysanthemums, R. C., from soil			1.50

C. EISELE, 11th and Jefferson Sts., Philadelphia, Pa.

Dahlias

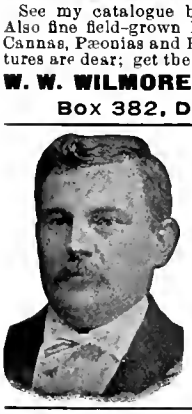
Mrs. Winters

THE WORLD'S BEST WHITE DAHLIA.

Novelties and Standard varieties. 18 yrs'. experience and have failed of no prize competed for.

See my catalogue before placing your order. Also fine field-grown Hollyhocks at $2.50 per 100. Cannas, Pæonias and Hardy Plants. Cheap mixtures are dear; get the best.

W. W. WILMORE, The Dahlia Specialist, Box 382, DENVER, COLO.



GIANT SWEET

ALYSSUM

$1 per 100; $8 per 1000.

ASTERS,

Vick's best, separate colors, great big strong plants from soil, 60c per 100; $5.00 per 1000.

CANDYTUFT,

from soil, 50c per 100; $4.00 per 1000. Express paid.

C. Humfeld, Clay Center, Kas.

CANNAS Burbank, Henderson, Mme. Crozy, F. Vaughan, P. Marquant, L. E. Bally, A. Bouvier, J. C. Vaughan, Egandale, Souv. de Antoine Crozy, in variety, started, $2 50 per 100.

ALTERNANTHERAS P. Major, red, R. C., 60c, postpaid. Pot plants, red, yellow, pink, $2.00 per 100.

BOSTON FERN 2½-inch, 3c; 3-inch, 8c; 8-inch, $1.00.

Begonias, flowering, in variety, 2½-in., 2½c.

Russelia Multiflora and Elegantissima, 2½-in. 4c.

Vinca Major, strong, fine runners, 2-in., 3c. Cash.

A. J. BALDWIN, NEWARK, OHIO.

Chrysanthemums Rooted Cuttings of

Merry Monarch, white and yellow; Willowbrook, J. H. Troy, J. E. Lager, Robinson, Pacific, Polly Rose, Shrimpton, Bonnaffon, M. Henderson, Ivory, pink and white; Murdock, F. B. Hayes, Pres. Smith, J. Jones, $1.25 per 100; $10 per 1000.

Walter Molatsch, R. Halliday, Appleton, $2.00 per 100. Cash with order.

G. F. NEIPP, Aqueduct, Woodhaven P. O., N. Y.

Please mention the American Florist when writing.

SEASONABLE STOCK.

GERANIUMS.

Jean Viand, Mme. Landry, Mme. Charlotte and Hubert Charron, $5 per 100. Marvel, Duc de Montemart, La Favorite, Wm. Pfitzer, Countess de Castiers and Mars, $3.00 per 100.

BEGONIA

Rex, a large collection of salable varieties from 2½ and 3-inch pots.

PELARGONIUMS.

Strong stock from 2½ and 3-inch pots, in bud and bloom, W. C. Boyes, Euclid, Bridegroom, Crimson King, Evening Star, Innocence, Joseph Leigh, Linda, Mrs. O. W. Childs and Prince George, $12 per 100. Mme. Thibaut, Robt. Green, Sandiford's Best, Sandiford's Wonder and Victor, $8 per 100.

FEVERFEW

Matricaria, $2.50 per 100.

PHALARIS ARUNDINACEA VAR.

One of the most suitable plants for bordering Canna Beds, $4 per 100.

RUDBECKIA

Golden Glow, 2-inch pots, $2 50 per 100. Newmanii, 2-inch pots, $3 00 per 100.

HELIANTHUS

Multiflorus Plenus, double, 2-inch pots, $2.50 per 100. Multiflorus Plenus, single, 2-inch pots, $2.50 per 100. Rigidus, $3.00 per 100.

NEPHROLEPIS

Cordata Compacta and Nephrolepis Cordifolia. This is exceptionally strong 3 in. pot stock, and a bargain, $4 per 100.

RAMBLER ROSES.

2-yr.-old extra strong, 8c each. 75 yellow, 75 pink and 75 white.

NATHAN SMITH & SON, ADRIAN, MICH.

With Leaves On...

JAPANESE FERN BALLS.

We have an immense stock of Fern Balls, well furnished with leaves, at $5.00 per dozen. Culls from $3.00 per dozen, up.

The Geo. Wittbold Co., Chicago, Ill.

COLEUS In 20 best varieties. 2-in., per 100, $2; per 1000, $18. Rooted Cuttings per 100, 60c; per 1000, $5. If by mail add 10c per 100.

NEPHROLEPIS WITTBOLDII.

Rooted Runners, per dozen	$1.00
3-inch pots, strong, per dozen	2.00
Large Plants from Bench, ready for 7-inch pots, each	1.00
Latania Borbonica Palms, 2-inch, ready for 3-inch, 100, $3.00; per 1000	25.00
Grevillea Robusta, 3-inch, per 100	5.00
Heliotrope in variety, named, per 100	2.00
Umbrella Plants, 2-inch, per 100	2.00
Chrysanthemums, Major Bonnaffon, 2-inch, per 100	2.00
Ageratum, White Cap, 2-inch, per 100	2.00
Alyssum, double, 2-inch, per 100	2.00
Begonia, Albo Picta, (good for baskets or vases) 2-inch, per 100, $3.00; 3-in. per 100,	5.00
Lobelia, 2-inch, per 100	2.00

CANNAS, a large stock of rooted tubers ready for pots. Send for list and prices. Cash or satisfactory reference. **George L. Miller, Newark, O.**

'MUMS.

E. C. Hill, Robinson, Maude Dean Yanoma, out of 2½-inch pots, $2.00 per 100. 25 other varieties. Maude Adams, Timothy Eaton, Goldmine, Col. Appleton, Modesto, Nagoya, out of 2½-in. pots, $3.00 per 100, or will exchange for bedding stock.

A. D. Montgomery 121 East Broad St. **Hazelton, Pa.**

Chrysanthemum Plants.

MRS. BERGMANN and GEO. KALB, best early white, from 2 and 2½-inch pots, fine plants, $2 50 per 100.

VINCA VAR., from 2 and 2½ inch pots, $2.50 per 100, or $22.50 per 1000.

JOHN J. VONDERSAAR,
1535 Madison Ave., Indianapolis, Ind.

Please mention the American Florist when writing.

A FEW GOOD THINGS YOU WANT.

KENTIA BELMOREANA and FORSTERIANA, special price to reduce stock, 2½-in., 8c; 3-in., 15c; 4-in., 25c; 5-in., 50c; 6-in., $1.00. 3, 4, 5-in. **ARECA LUTESCENS,** 2 and 3 plants to a pot, same price. These are excellent lot of clean, cool grown plants.

BOSTON FERNS, 4c, 8c, 15c, 30c and 50c each.

DRACAENA INDIVISA, 3, 4, 5-in., 6c, 10c, 25c each.

GLADIOLUS BULBS, good mixture, $1.00 per 100.

GERANIUMS, 2-in., Bonnat, double and single Grant, La Favorite, S. A. Nutt, Atkinson, Salleroi, Poitevine, M. Barny, Kleber, John Doyle, Jaulin, Riccard, Mrs. E. G. Hill, Perkins. Per 100—2-in., $3.00; 3-in., $5.00.

ASPARAGUS SPRENGERI, 2-inch, $3.00 per 100; Plumosus, 3-inch, $8.00 per 100.

PANSIES, in bud and bloom, $1.00 per 100.

ENGLISH IVY, 2-in., $3.00; 3-in., $6.00 per 100.

Verbena, Petunia, Smilax, Achyranthea, Lobelia, Coleus, Alternanthera, Tomato Plants, Campbell Violets, Aster, Ageratum, Heliotrope, Vinca Var., Giant Alysaum, Scarlet Sage Clara Bedman, 2 in., $2.00 per 100; 3-in., $4.00 to $5.00 per 100.

Send for wholesale lists. Cash or C. O. D.

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

DORSETT'S SINGLE VIOLET

See American Florist, March 29, page 361.

For texture, quality and stability of the leaf, for bunching flowers this violet is unequaled. The flowers are medium size, of a rich dark violet color, and have a delightful delicate odor. The plants are vigorous, and under normal conditions are disease resistant. With good treatment will guarantee 98 per cent of stock to grow.

Having purchased the greenhouses and stock of Mr. P. H. Dorsett at Garrett Park, Maryland, I am prepared to furnish rooted crowns, for immediate delivery, at $5.00 per 100, or $40.00 per 1000. Sand-rooted cuttings, for delivery after May 1, $6.00 per 100, $45.00 per 1000; 2¼-inch pots, after May 1, $7.00 per 100.

DAVID BISSET, GARRETT PARK, MD.

Washington.

MANY FLORISTS CONTRIBUTE TO SUCCESS OF MASONIC FAIR.—TRADE FAIR AND STOCK PLENTIFUL.—NOTES OF DECORATIONS.

The great Masonic fair is on at Convention Hall. J. H. Small & Sons, A. Gude & Bro., Z. D. Blackistone and others decorated booths and donated plants. Otto Bauer and the American Rose Company also contributed to the affair and among those from out of town who sent plants or flowers are L. Dupny, White Stone, N. Y.; A. Schulthles, College Point, L. I.; G. Schubert, West Hoboken; C. Zeller & Son and L. Schmutz, Brooklyn; L. J. Kreshover, Jno. Young, Thos. Young, Traendly & Schenck, New York; Robert Craig, W. K. Harris, W. F. Dreer, Jacob Becker and S. S. Pennock, Philadelphia; Jos. Heacock, Wyncote, and others. H. Bayersdorfer, A. Herrmann and Ed. Jansen also contributed.

Trade is only fair but stock in general is plentiful, especially roses. A. Gude & Brother and J. Louis Loose are making a fine display with American Beauty. At the funeral of Major O. L. Pruden, who had been on duty at the White House twenty-nine years, a number of fine floral tributes were seen.

J. H. Small & Sons had the decorations for the dinner and reception given by Mr. and Mrs. George Westinghouse, at Homewood, Pittsburg, April 16 and 17. The decorations consisted of pink roses and lily of the valley. The ceiling and mirrors were decorated with asparagus.

The American Rose Company used the Alice Roosevelt rose exclusively in the decorations at the Metropolitan Club for Col. Haywood's party. P. G.

BENTON HARBOR, MICH.—The Eldred, Sykes Company is going into the greenhouse business here, building three houses 14x50.

XENIA, O.—J. J. Lampert recently had a nice wedding decoration to put up at Western Star, in Summit county, for the Harris-Taylor nuptials.

Cycas Stems

NEW STOCK
ALL SIZES

Prices: 100 LBS @ 8¼ 200 LBS @ 8 500 LBS @ 7½

Vaughan's Seed Store, CHICAGO. New York.

50,000 Canna Roots

Alphonse Bouvier, Mme. Crozy, Chas. Henderson, Marquant, Burbank, $12.50 per 1000; $1.50 per 100. Mixed, $10.00 per 1000; $1.25 per 100.

MICHIGAN CUT FLOWER EXCHANGE,
DETROIT, MICHICAN.

VEGETABLE PLANTS.

ASPARAGUS, Conover's Colossal, very strong, 1 year, $3.00 per 1000.
CELERY, White Plume, $1.00 per 1000.
HORSERADISH SETS, $1.50 per 1000 and up. Send 5 cts. in stamps for sample of above.
RHUBARB, strong seedlings and old clump divisions, $3.00 per 100; $25.00 per 1000. CASH.

Ludwig Mosbaek,
85th St., near South Chicago Ave., CHICAGO, ILL.

GERANIUMS.

	Per 100
10 standard Varieties, 2½ inch pots	$5.00
10 Standard Varieties, 3-inch pots	4.00
Alternanthera, Yellow	1.50
Alternanthera, Red	2.00
Ageratum, 2 varieties blue	2.00
Asparagus Sprengeri	2.00
Verbenas	2.00
Seedling Petunias	3.00

COLEUS.

	Per 100
12 varieties, 2-inch pots	$2.00
Canoas, 8 varieties, 4 inch pots	10.00
Centaurea Cymn., 2-inch pots	2.00
Vinca Variegata, 2½-inch pots	2.50
Asparagus Plumosus, June 1st	3.00

CASH OR C. O. D.

JOS. H. CUNNINGHAM, DELAWARE, O.

Late Prices.

CARNATIONS Prosperity and Roosevelt at $3.50 per 100.
GERANIUMS a general assortment all correctly labeled at $10 per 1000. Jean Viaud and M. de Castellane at $2.50 per 100.
HARDY PHLOX in assortment, all labeled, at $12.50 per 1,000. Above are all rooted cuttings and not transplanted plants. A few hardy Phlox from 2-inch pots at $2 per 100.
PANSIES medium sized plants with a flower and 1 to 3 buds on them (cold frame plants) at $1.25 per 100.
BONE MEAL the best for Florists' use at $3.50 per 200-lb. bag.

ALBERT M. HERR, Lancaster, Pa.

BURBANK'S
Shasta Daisy

The coming cut flower and pot plant; nice to follow 'Mums. Plants each 50c; 5 for $1.50; 10 for $2.50; 25 for $5.00.

MITTING FLORAL COMPANY,
LOOMIS, CAL.

Please mention the American Florist when writing

Orders booked now for my new Fern
NEPHROLEPIS FOSTERIANNA
"ANNA FOSTER"
at $25 per 100, small plants, delivery in Sept. 1902.
BOSTON FERNS, $25 per 100.
KENTIAS, 6-inch, 30 inches, $1.00 each.
DRACAENA INDIVISA, 6-in., $3 per doz.; 7-in., $7.
20,000 GERANIUMS, best kinds, 4-inch.
R. C. Verschaffelti and G. B. COLEUS, 75c per 100.
I. H. FOSTER, 45 King St., Dorchester, Mass.

Please mention the American Florist when writing.

A. W. SMITH'S MOON VINES,
IPOMOEA NOCTIFLORA,

Now ready. Earliest moon vine grown, flowers pure white, look like wax and large as a saucer. I have a full supply of these vines, which are ever in great demand. 3-in. pots, $7.00; 4-in. pots, nicely staked $10.00 per 100.

GODFREY ASCHMANN,
1012 ONTARIO ST. PHILADELPHIA.

GERANIUMS Fine 4-in. Geraniums in choice standard kinds, in bloom, $7.00 per 100. Fine lot fuchsias, $1.00 per dozen.
VERBENAS Mammoth Verbenas, good assortment, 3-inch, $3.00 per 100; 2½-inch, $2.50 per 100.
ROSE CUTTINGS Standard varieties of Roses, rooted cuttings, $1.50 per 100; $12.00 per 1000.

W. H. GULLETT & SONS, LINCOLN, ILL.

GERANIUMS All the best varieties, extra fine plants. S. A. Nutt, Marvel, Grant, F. Perkins, Mme. Jaulin, La Favorite, Hill, etc., 2¼-in., $2.00 per 100; 3-in. $3.00 per 100; 4-inch in bud or bloom, $5.00 per 100. PANSIES, extra fine plants from cold frame, now in bud, $1.00 per 100; $8.00 per 1000. VERBENAS, 60 per 100; $4.50 per 1000. DOUBLE DAISIES, large plants 75c per 100; $5.00 per 1000. ASPARAGUS SPRENGERI, seedlings from flats ready for potting, $1 per 100. Hill Top Greenhouses, 15-16 Gray Ave., Utica, N. Y.

DAHLIAS

Strong seedling plants out of 2½-in. pots ready April 15th.

Varieties: Cactus, Giant Single, Pompon and Double Fancy, these are from a very choice strain of seed, $4.00 per 100.

	Per 100
BEGONIA ERFORDII, 2½-in. pots	$5.00
VINCA MAJOR VAR., 2½-in. pots	3.00
HOLLYHOCK, 4 var., 2½ in. pots	3.00
SELAGINELLA EMMELIANA, 2½-in.	3.00

WAGNER PARK CONSERVATORIES,
SIDNEY, OHIO.

IMPATIENS THE QUEEN

This variety we now offer for the first time, it being far ahead of any cheap blooming house plant that we know of. A grand plant for out-of-town florists.

Flowers 1¼ to 1½ inches in diameter, color a delicate satiny pink with bright carmine eye, center of petals faintly tinged with white, wonderfully profuse and of the easiest culture. Price, 2-inch pot plants, $1.50 per doz.; $10.00 per 100.

CENTRAL MICHIGAN NURSERY,
Kalamazoo, Mich.

Fine, Healthy Stock.

	Per 100
ROSES—Bridesmaid, 3-in. pots, per 1000, $32.	$3.50
Bride, 2¼-in. pots, ready for shift, " $28.	3.00
GERANIUMS Dbl. Grant, S. A. Nutt, Murkland, and dbl. deep Geraniums, 3-in. pots,	5.00
2¼-in. pots of the above varieties	2.50
Assorted, 2½-in. pots	2.50
Assorted VERBENAS, VINCA VAR., SALVIA and PURPLE HELIOTROPE, 2-in. pots	2.00
ALTERNANTHERA 2 varieties, red and yellow; Golden Bedder and assorted COLEUS; GERMAN IVY, and 3 varieties AGERATUMS, 2-in. pots	1.50
ROOTED CUTTINGS—Alternanthera, 3 varieties, and assorted Coleus per 1000, $5,	.55
Golden Bedder and Verschaffelti Coleus,	.10

CASH PLEASE.

R. I. HART, Hackettstown, N. J.

Orchids!

ARRIVED IN FINE SHAPE direct from the forests: Cattleya Gigas, C. Dowiana, also a number of Dendrobiums in variety. Write for our illustrated and descriptive catalogue of Orchids.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

PANSY PLANTS THE FAMOUS Diamond Strain of large flowered Pansies, over 50 varieties mixed. Fine stocky, hardy, open ground, well rooted, seed-bed plants, good as transplanted; some in bud. By express, $3.50 per 100; $20.00 per 500. Cash with order.

L. W. COODELL, Pansy Park, Dwight, Mass.

SPECIAL April OFFER

GERANIUMS.

To reduce our stock of 100,000 plants at once, we will fill orders for the following strictly high grade varieties, true to name and first-class in every respect: extra strong top cuttings, well rooted, ready for 2½-inch pots, $1.50 per 100; $14.00 per 1000; **In Variety**—S. A. Nutt (best crimson bedder), E. G. Hill, F. Perkins, Beaute Poitevine, Mme. Bruant, Dutchess of Orleans, La Favorite, J. M. Garr, Snow Drift, Thos. Meehan, Alphonse Riccard, L. P. Morton, Athlete, J. J. Harrison, E. Kelway, Mme. Jaulin.

Double Fringed Petunias.

If you want Petunias, we have them and can supply any quantity. Ten novelties selected from Henderson's and Dreer's latest sets, plenty of white, labeled. Extra strong rooted cuttings. **SPECIAL PRICE**, $1.00 per 100; $8.00 per 1000. 500 at 1000 rate.

Smilax, strong seedlings ready for 2-inch pots, 50c per 100; $4.00 per 1000.

CASH WITH ORDER.

The W. T. Buckley Plant Co., Springfield, Ill.

BARGAINS. READ THIS, FOR HERE IS WHAT YOU WANT AND WE WANT ROOM.

Geraniums, composed of S. A. Nutt, La Pilot, Richard Brett Frances Perkins, Beaute Poitevine, Dble. Gen. Grant, Bruanti, Ruy Blas, Gloire de France, Centaurean, Alph. Riccard, Margaret de Leyas, Jas. Gaar, Wunder, Granville, La Favorite, Mme. Bruant, and several other varieties in 2¼ in. pots, also Rose Geraniums, and want shifting at once, at $2.50 per 100; $20.00 per 1000 Special prices in lots of 5000 or more. 500 at 1000 rate.

Coleus, in variety, 2¼-in. pots, $1.50 per 100; rooted cuttings 60c. per 100; $5.00 per 1000.

Verschaffeltii and **Queen**, 70c. per 100; $6.00 per 1000.

Anthemis Shower of Gold, R. C., $1.50 per 10.

Ageratum, in variety, 2¼-in. pots, $2.00 per 100; rooted cuttings, 60c. per 100.

Fuchsias, in variety, 2¼-in pots, $3.00 per 100; rooted cuttings, $1.25 per 100.

Heliotrope, in variety, 2½-in. pots, $2.00 per 100; rooted cuttings, $1.00 per 100.

Salvia, in variety, 2½-in. pots, $2.00 per 100; rooted cuttings, 75c. per 100.

Var. Vincas, 2¼-in. pots, $2.00 per 100; rooted cuttings, fine, $1.00 per 100; 4-in. pots, $6.00 per 100.

Feverfew, from soil, $1.50 per 100.

English Ivy, from soil, $2.00 per 100.

Cash with the order.

J. E. FELTHOUSEN, Schenectady, N. Y.

GERANIUMS ready for immediate delivery.

GERANIUMS—Dbl. Grant, Alphonse Riccard, Mme. Thibaut, Mme. Jaulin, Gloire de France, Frances Perkins, Beaute Poitevine, La Favorite, S. A. Nutt, etc., strong well grown plants from 2½-in. pots, labeled, $3.00 per 100: $25.00 per 1000. Mixed, my selection, $2.00 per 100; $18.00 per 1000. Extra strong plants from 3-in. pots, in bud and bloom, $4.00 per 100; $35.00 per 1000. From 3½-in. pots, $6.00 per 100; $50.00 per 1000.

CANNAS (Dormant roots), 2 to 3 eyes, strong tubers, Florence Vaughan, Queen Charlotte, Chas. Henderson, $2.00 per 100; $15.00 per 1000. Started from sandbed, $2.50 per 100; $20.00 per 1000.

Cyclamen Persicum Splendens Giganteum

Finest strain in the world, in four true colors, now ready, transplanted from flats, 3 to 4 leaves, fine plants, $3.00 per 100; $25.00 per 1000.

Begonia Rex In good mixture only, from 2½-in. pots, $4.00 per 100.

PAUL MADER, East Stroudsburg, Pa.

VIOLETS

Rooted cuttings of Marie Louise, Lady Campbell, Swanley White and Imperial, 2¼-in. pots, $3.00 per 100; $25.00 per 1000.

CARNATIONS, rooted cuttings.

SEND FOR CATALOGUE.

CRABB & HUNTER, Grand Rapids, Mich.

STOCKS.

Ten Weeks, out of 2¼ in. $2.00 per 100; $15 per 1000.
Salvias, 2¼-inch, $2.00 per 100.
Giant Alyssum, 2¼-inch, $2.00 per 100.
Sweet Williams, 1 year old plants, $2.00 per 100; $15.00 per 1000.
Forget-Me-Not, 2½-inch, in bloom, $1.50 per 100.
Vinca Variegata, rooted cuttings, $1.00 per 100.

J. C. SCHMIDT, Bristol, Pa.

Please mention the American Florist when writing.

Plant and Rooted Cutting List

NOW READY FOR SHIPMENT.

	Per 100	Per 1000
Marguerites	$ .75	$ 6.00
Heliotrope, 4 varieties	.60	5.00
English Ivy	2.00	18.00
Achyranthes, 4 varieties	1.00	8.00

PTERIS TREMULA, 2¼-inch pots, per 100, $2.00; 2½-in. pots, per 100, $3.00; 3-in. pots, per 100, $5. For list of varieties see AMERICAN FLORIST of Nov. 9. If wanted by mail add 15c per 100. Samples by mail 25c.

CHRYSANTHEMUMS W. H. Lincoln, Jerome Jones, Golden Wedding, Philadelphia, Ivory, Thoreden, Pres. Smith, Minnie Wanamaker, Louis Boehmer, Maud Dean, Viviand-Morel, Major Bonnaffon, G. W. Childs, Mme. Bergmann, Glory of Pacific, J. G. Whilldin. Rooted cuttings, grand stuff, $1.25 per 100; $10.00 per 1000.

☞ All the above sold on the positive guarantee of their being first-class, if not, your money at once refunded.

Having to rebuild our greenhouses this season the following stock is in our way at the start. If you want any speak quick: Asparagus Plumosus, 3-year, from bed, fine clumps, $18.00 per 100. Kentias, 2½-inch, very fine, $6.00 per 100. Roses—Ulrich Brunner, 2-year old, pot grown, have just cut a crop of flowers from them. Can now be safely shaken out, grand stock either for next year's forcing or stock plants, own roots. $12.00 per 100. Paul Neyron, same as above, $12.00 per 100. Kentia Seedlings, from flats. 1-year, $3.50 per 100. Geranium Mrs. Pollock and Happy Thought, 1 and 2-year stock, plants from bench, $3.00 per 100. English Ivy, fall propagated, very fine, $1.25 per 100, $10.00 per 1000. Poinsettia, 1-year dormant, $3.00 per 100. Dracæna Indivisa, 5, 6 and 7-inch pots 20 to 36 inches high, perfect plants, assorted sizes, $25.00 per 100. English Ivy, 4-inch, strong, $8.00 per 100.

JOHN IRVINE & SONS, Bay City, Mich.

A Discount of 50% on Wittboldii Ferns

FOR 30 DAYS ONLY.

2½ inch, $5.00; 3-inch, $8.00; 4 inch, $12.00; 5-inch, $20.00 per 100.
Bench plants, $3 to $8 per 100. Good for 8 inch pots, 50 cts. each.

This is a rare chance to get a stock of this New Fern cheap.

CASH PLEASE. **A. J. BALDWIN, Newark, Ohio.**

WABASH

VACATION TRIPS.

DO you expect to treat yourself to a vacation trip this summer? If so, write for a copy of **WABASH SUMMER TOUR BOOK** giving a great variety of attractive tours with cost of tickets and other valuable information.

Write us about any trip you may have in mind. It's our business to help those who travel.

C. S. CRANE, G. P. & T. A., St. Louis, Mo.

F. A. PALMER, A. G. P. A., 97 Adams St., Chicago.

Nikoteen Aphis Punk It Burns

The most convenient way of applying an insecticide ever yet devised. No pans required—No heating of irons—No trouble—Cannot injure the most sensitive blooms—Very effective. Price 60¢ per box of 12 rolls. *All dealers sell it!*

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NURSERY SEED FLORISTS' **CATALOGUES**

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Adjustable Plant Stands

THE BEST ON THE MARKET.

1 Stand $1.50; 3 Stands $4.00; 6 Stands $7.50; 12 Stands $14.00.

YOU NEED THEM IN YOUR BUSINESS.

C. B. WHITNALL, MILWAUKEE, WIS.

THE

Gardeners' Chronicle.

A Weekly Illustrated Journal.

ESTABLISHED 1841.

The GARDENERS' CHRONICLE has been FOR OVER SIXTY YEARS THE LEADING JOURNAL of its class. It has achieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, the information furnished is of such general and permanent value that the GARDENERS' CHRONICLE is looked up to as the STANDARD AUTHORITY on the subjects of which it treats.

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OFFICE:—

41 Wellington St., Covent Garden, London, England.

American Florist Ads. always do business,
Every day in the week, all over the country,
At Home and Abroad.

Toronto.

BOTH LOCAL AND SHIPPING TRADE ACTIVE.—GOOD STOCK WELL CLEANED OUT—STOCK PLENTIFUL AND QUALITIES AVERAGE HIGH.—CLUB HAS A SOCIABLE.—EXCELLENT HYDRANGEAS.

Business continues good, both local and shipping orders being quite in advance of last week. The weather lately has been ideal for roses and they are plentiful and good. St. George's day created an increased demand for red. Carnations are scarce, especially white, but the quality still holds up. Harrisii and callas are plentiful but moving nicely and the demand for the remnants in bulbous stock is about equal to the supply. Sweet peas are getting better and, I am pleased to note, more plentiful. Good white stocks and antirrhinums meet with ready sale. Adiantum and Asparagus plumosus are more plentiful, but smilax is still very scarce.

The "at home" given by the Florists' Club in St. George's Hall was poorly attended, but those who were there had enthusiasm enough for treble their number. The programme was good, the refreshments wholesome and the floor in elegant shape for dancing, and those who remained for this latter spectacle were treated to some rare fun.

Grobba & Wandrey are sending in some good hydrangeas, which are quite an acquisition to the retailers.

Visitors: A. M. Stuart, New York; Henry Ward, Detroit; Samuel Jordan, Peterboro; Miss Townsend, Hamilton.

H. G. D.

IRON RESERVOIR VASES AND Lawn Settees
Manufactured by
McDonald Bros.
COLUMBUS, O.
The Largest Manufacturers of these Goods in America.
Send for Catalogue.....
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WROUGHT IRON PIPE
Good condition, used short time only; new threads and couplings; for Steam, Gas or Water; sizes from ½ to 12 inch diameter. Our price per foot on ¾ inch is 3c, on 1 inch 3½c. Write for free catalogue No. 47.
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W. 35th and Iron Sts., CHICAGO.

European Tourists and others destined to eastern points, will find the low rates applying over the Nickel Plate Road to New York, New England and other eastern destinations, specially attractive. The eastern terminals via this line are only from three to ten minutes from all ocean steamship docks, and the service afforded is first-class. Three trains daily from Chicago. Uniformed colored porters are in charge of day coaches, whose duties require that proper care shall always be given to keeping cars clean and attending to the wants of passengers enroute. Meals served in dining cars at prices that are reasonable and within reach of all. Details cheerfully furnished on application to John Y. Calahan, General Agent, 111 Adams St., Chicago. Chicago City Ticket Office, 111 Adams St.

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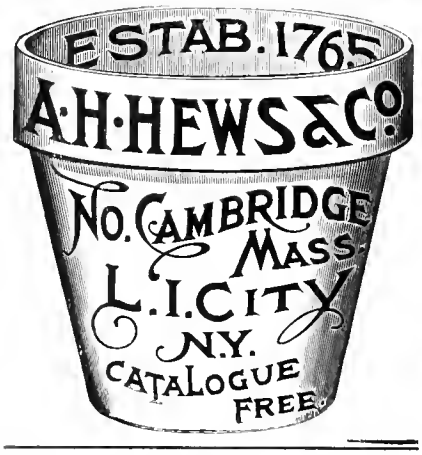

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CORRECT SIZE.
SUPERIOR QUALITY.
Write for price list.
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If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.....
W. H. ERNEST,
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MANUFACTURERS OF
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AMERICAN FLORIST ADS ALWAYS DO BUSINESS
Week days and every day, Sundays and holidays,
ALL OVER THE COUNTRY AT HOME AND ABROAD.

STANDARD FLOWER POTS!
Packed in small crates, easy to handle.

Pots	Price per crate		Pots	Price per crate	
1500 2-in.,	in crate,	$4.88	120 7-in.,	in crate,	$4.20
1500 2¼	"	5.25	60 8	"	3.00
1500 2½	"	6.00	48 9	"	3.60
1000 3	"	5.00	48 10	"	4.80
800 3½	"	5.80	24 11	"	3.60
500 4	"	4.50	24 12	"	4.80
320 5	"	4 51	12 14	"	4.80
144 6	"	3.16	6 16	"	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers. Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.
HILFINGER BROS' POTTERY,
OR.... FORT EDWARD, N. Y.
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STANDARD POTS A SPECIALTY
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213-15-17-19-21-23 Pearl St.,
NORRISTOWN, PA.
Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.

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SAMPLE POT AND PRICE LIST ON APPLICATION.
C. C. POLLWORTH CO., MILWAUKEE, WIS.....

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A. F. KOHR, 1521-23 N. LEAVITT ST., CHICAGO, ILL.,
FOR PRICES OF
Standard Pots
which for strength and porosity combined are the best on the market.

THOSE RED POTS
"STANDARDS"
FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y,
HARRY BALSLEY, Rep. DETROIT, MICH., 490 Howard St.

TO KILL ALL
Greenhouse Bugs
USE
"NICOTICIDE"

Clean and harmless as **Fumigant** or **Spray.** Ask your seedsman for it or write to

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Business continues good, with all available stock finding a ready market. Carnations hold up well in price for good quality, although roses have gone down a trifle. Violets are still good and bring 50 cents per hundred. Hoffman, J. Macrae and Williams bring in regular cuts of tulips. The suburban florists are complaining of the "crape chaser" and it is probable the matter will be discussed at a meeting at an early date.

It is reported that Mr. Svensson has withdrawn from the management of the Shepard Company's flower department and that the company has discontinued that line.

Theo. Peterson, of the Hogg Greenhouses, is out with a new delivery wagon and also has a new cash register.

Wm. Appleton complains of being too busy for comfort. A lot of lawn work is the cause.

Macnair has improved the exterior of his store by painting it an olive green.

Johnston Brothers are extolling the merits of their new $200 cash register.

T. J. Johnston is debating the advisability of resuming the use of arc lights.

C. Wagner, the nurseryman, has been on the sick list for a long while.

Martin Edmonds, of Bristol, is sending a fine cut of spiræa to the city.

Howard Almy is out again after his long illness with rheumatism. M. M.

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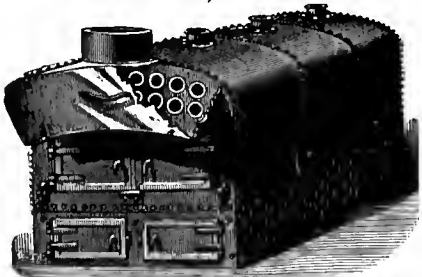

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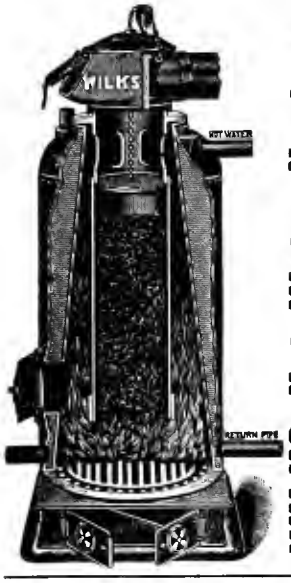

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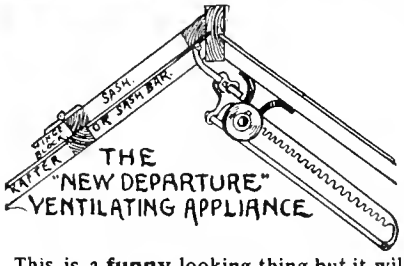

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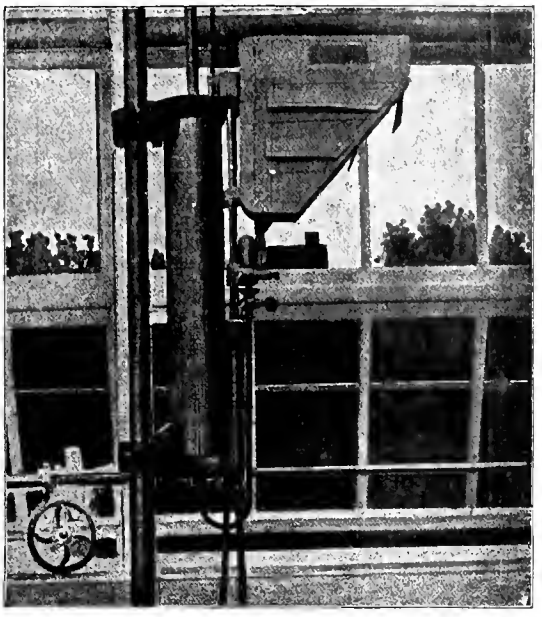

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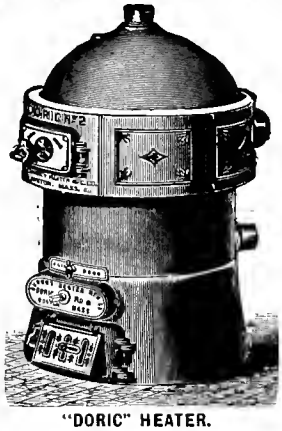
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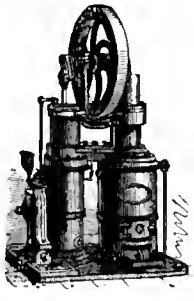

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Vol. XVIII. **CHICAGO AND NEW YORK, MAY 3, 1902.** **No. 726.**

THE AMERICAN FLORIST

SEVENTEENTH YEAR.

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Annual convention at Brooklyn, N. Y., February, 1903. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Asheville, N. C., August, 1902. Edwin Lonsdale, Chestnut Hill, Pa., Sec'y.

AMERICAN ROSE SOCIETY.

Annual meeting at call of executive committee, LEONARD BARRON, 136 Liberty St., New York, secretary.

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Notes on Aquatics.

The season for planting aquatics having arrived, everything should now be in readiness. All repairs to natural ponds made necessary by severe winter weather, or by the incursion of muskrats, should be completed. In most sections it will be possible to ascertain the condition of the stock carried over, as the warm weather experienced of late will have stimulated active growth and lily pads are to be seen on the surface of the water. Where new work is being carried out it will be important to attend to marginal planting as the season is advancing, and late planted stock will require careful attention.

After the severe winter we have just passed through, it is most gratifying to note the condition of the bamboos. In some instances, where much exposed, the leaves are sear and dried up, but without exception they are all alive and showing signs of growth. It was a deplorable sight to see these noble grasses almost level to the ground when coated, as they were, with ice, and surprising to see them assume their natural position after relieved of the weight, and suffering no damage. They grow in height, beauty and attractiveness every season and are increasing in popularity. Do not fail to include these with the other hardy grasses, arundos and so forth in connection with planting the margin or surroundings of the pond or water garden, also such bushes as Cephalanthes occidentalis, Spiræa opulifolia and andromedas in variety.

In shallow water Typha latifolia is always at home and is worthy of a position in the best regulated water garden, as are many of our native grasses, flags and so forth. One of the most charming aquatic plants in connection with typha, or cat-tails, is Lythrum roseum. These should be planted in masses to secure the best effect, and where there is ample space hibiscuses in variety should be planted, if not already naturalized, also Iris pseudoacorus and Lobelia cardinalis.

Where space is limited and plants grown in boxes or tubs it will be necessary to replant, first renewing the soil. When planting select three or four of the strongest crowns which will, in all probability, give the finest and best flowers. Do not consider that because they did so well last year they will do equally as well this year. The condition of plants grown in tubs or boxes must not be compared with plants growing in a natural pond or even planted out in an artificial pond. It will be well to look over all stock and in cases where new ponds were planted two or three years ago it may be necessary to do some thinning out, as all nymphæas, given a fair condition to develop, will, in limited quarters, soon become crowded. The result will be smaller flowers, and where bunched together the leaves instead of floating on the surface will stand out of the water. These are liable to be attacked by red spider and thrips, causing disfigurement to the pond as well as the loss of flowers.

It may be considered quite safe in any section to plant or transplant hardy nymphæas, but bear in mind that while hardy nymphæas may be transplanted from now until the end of August, to obtain the best results the first season, plant as early as is practicable. Mistakes are made occasionally by beginners, and others not well versed with the different varieties, in selecting both hardy and tender nymphæas, also nelumbiums, and having them shipped early. It follows that one or the other will suffer. If hardy nymphæas are purchased and shipped early, say in April, and tender varieties and nelumbiums are included in the same order and no instructions given as to time or date of shipment, the whole order would doubtless be filled. If the party receiving the goods has a greenhouse or other means whereby the tender varieties and nelumbiums could be protected until it was safe to plant out of doors, the plants might be saved and give every satisfaction, but without these accessories the plants would perish save in southern states.

It is folly to plant too early, especially nelumbiums, although they are hardy, and buyers of aquatics requiring both hardy and tender varieties will do well if they wish all at one time to wait until it is safe to plant nelumbiums or tender nymphæas and include the hardy ones with them, instead of including the tender with the hardy when it is safe only to plant the hardy. As a rule May is the best time to transplant nelumbiums although in southern states April may be as good. It is safer to leave the transplanting of these until the first leaves appear on the surface of the water.

May is the month for planting nelumbiums but it is difficult to fix a date; seasons are early or late, floods may interfere with digging and even a snow storm may cause serious inconvenience, as it did in the western states last year.

Those securing tubers in April and starting them indoors will doubtless gain on those planting tubers out in May. Our season is none too long, even for nelumbiums. While writing on nelumbiums I would mention a case that recently came into my observation. A novice becoming interested in aquatics, had a pond stocked with various nymphæas and nelumbiums. The pond, in due time was filled with the nelumbiums. Believing there was money in it, he has this season determined to get some cash returns from his pond and has offered the different varieties by name for sale. When asked how he could determine one variety from another in the condition of tubers, he blandly replied that he could tell them by feeling.

I am under the impression that sports occur among lotuses but I am not prepared to assert it as a fact at present. I know it requires vigilence and care to keep a number of varieties distinct and true to name. It is also more difficult to keep nymphæas, especially hardy varieties, true to name. I have no suspected sport here but the greatest difficulty is when a hybrid, or cross-fertilized form, produces seed, as the seedlings rarely correspond with the parent plant and here I beg to state there are spurious forms of Nymphæa odorata Caroliniana. The true form is scarce and entirely different from that offered by a western grower, although I presume that this particular person has no doubt that his stock is the true form. All water lilies are good flowers, but if every seedling is worthy of a specific name we shall soon have them by the thousands and it will be necessary to establish a committee to gauge these seedlings, so as to prevent them from getting into commerce or making our catalogues too bulky.

WM. TRICKER.

Herbaceous Plant Notes.

All stock in the herbaceous grounds came safely through the winter. Very few, even of the doubtfully hardy species have suffered and none were lost, though no covering of any description was applied. I am not in favor of protecting established plants, as I have stated often before. Too frequently they are smothered by the material used as covering. We could not find time early last fall to do any dividing and replanting and we did not care to risk late planting, but now we have been at this job for several weeks, taking up one or two varieties at a time from the borders and, after cutting them up, replanting them in newly spaded and manured ground before they have time to wilt.

Where there is a large and varied collection, you must be constantly on the lookout unless you have two or three reliable men, who have had several years experience in digging and dividing herbaceous plants. Otherwise you cannot leave them a minute alone. They may destroy, spoil or tramp on one of your most valued treasures while you are gone.

In digging up, they may shove in the spade slantingly and cut off the fleshy tap root of a rare alpine or they may cut half the fibers of a shallow rooting species by inserting the spade too near the collar of the plant. If they are not familiar with the habit of each species or variety, you have to tell them: "Now go deep down with your spade," or "now be careful, the roots are very brittle, handle them very carefully," and so forth.

The mixing of varieties similar in growth, must also be guarded against and when you dig up several of the same species your men are rarely to be trusted in the matter. With things that are grown in large quantity, it is different, but there are hundreds of species and varieties which are only grown by the dozen or even in less numbers and here is where you have to exercise care to guard against mistakes and mixtures.

On the whole the spring has been very favorable for transplanting herbaceous stock. Frost was out of the ground in March and the soil in working order soon after snow disappeared. Since then we have had pleasant but cool weather, so that plants have not made much top growth and can yet be safely transplanted.

But after all we have really quite a number of spring flowers fully out in bloom. Arabis albida, A. albida fl. pl., A. alpina, A. alpina variegata and A. lucida are splendidly out. Caltha palustris monstrosa fl. pl. shows quite a number of its large, deep golden yellow, densely double flowers. Aubretias in lilac, blue, purple, rose and red varieties are a mass of bloom. Erythroniums, white, purple and rose are at their best. Omphalodes verna has opened its first sky blue, forget-me-not-like flowers.

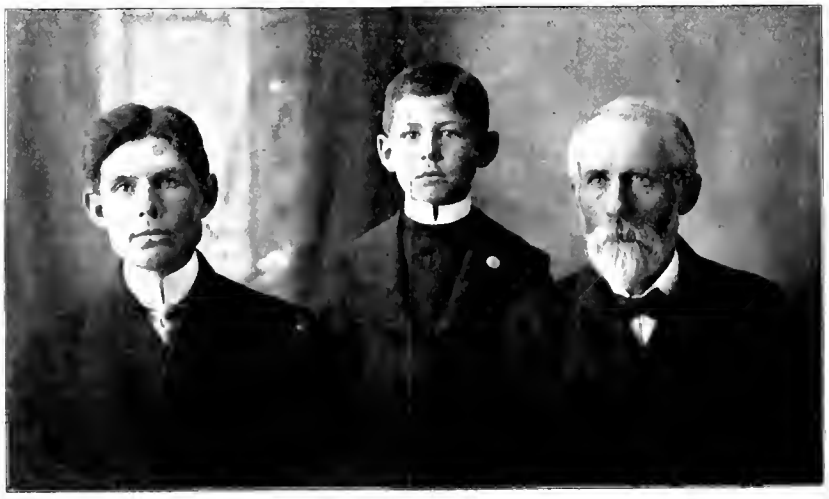
Phlox subulata in seven or eight various colored varieties is beginning to show up well. Iberis saxatile, I. sempervirens and I. sempervirens fl. pl., are a mass of white. Hepaticas are in full bloom. The megaseas show their pink spikes. Daphne cneorum is also beginning. Primulas are nearly all out. Auriculas have opened the first flowers. The dwarf Iris pumila is out for a week now.

Pulmonarias and mertensias are grand. M. Sibirica, I want to mention here, is superior to M. Virginica with us. Genista saggitalis, the low, prostrate, spreading, plant, has been a mass of gold for some days past and will surely continue for a month to come. Sanguinarias show up well in the rockery. Waldsteinia fragarioides is well furnished with its yellow strawberry-like flower clusters. The adonis is still in good form, though it was in bloom at the end of March.

Claytonia Virginica shows its pinkish drooping flowerheads. Draba aizoides, on the rocks, is full of yellow sprays. Anemone nemorosa and its pretty double form are both out in the shady nooks and the tallest of all is the yellow, poppy-like stylaphorum, a common but nevertheless a very ornamental early blooming plant.

Six or eight different species of violets are fully out, with more to come in a few days, and the trilliums are also there. So flowers are not scarce in the herbaceous border, though it is early in the season and hyacinths and tulips have hardly begun to make an appearance and yet we can find but very few places where these early spring flowers have been introduced.

J. B. K.



A. H. Budlong. Kenneth Budlong. J. A. Budlong.

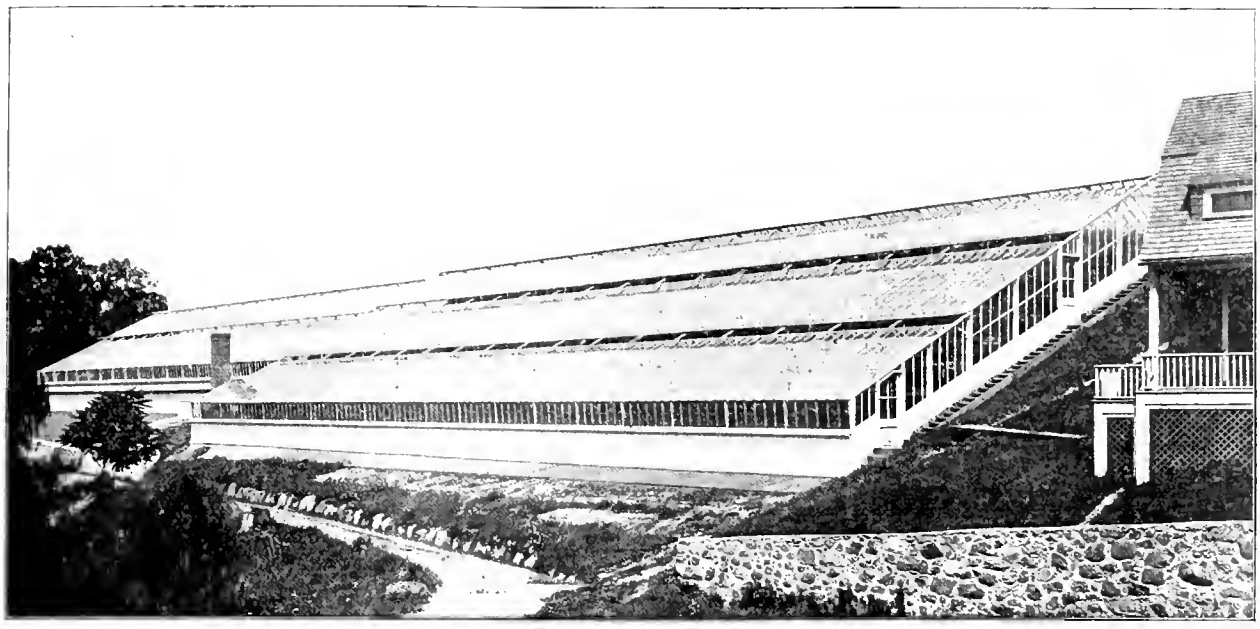
THREE GENERATIONS OF THE BUDLONG FAMILY.

WITH THE GROWERS.

J. A. BUDLONG, CHICAGO, ILL.

The pursuit of happiness in this world is, after all, largely a matter of dollars and cents. It is possible to be cheerful on an empty pocketbook, but it requires an optimistic temperament. For this reason, to the majority of us the choice of a vocation is a matter of much moment, attended with far reaching consequences. So it was with the elderly gentleman in the group on this page, but to the younger man it came largely as a matter of course, and the lusty lad in the center, while he may have other aspirations at the moment, can hardly escape the consequence of representing the third generation of the Budlong family, for is it not written that the sins of the father shall be visited upon the children even to the third and the fourth generation? Doubtless this applies when a man establishes a successful greenhouse industry.

J. A. Budlong was born at Providence, R. I., sixty-one years ago and now seldom misses his annual visit to the family seat. He came to Chicago in 1862, engaging in business with his brother, L. A. Budlong, in market gardening, the growing of onion sets, also building up one of the largest pickle factories in the country, but since he engaged in cut flower growing Mr. Budlong says that he hasn't found a profit in pickling It was fifteen years ago that he built modest greenhouses at Bowmanville and conducted them along unpretentious lines until about five years ago, when, with the assistance of his only son, the business was considerably enlarged. Mr. Budlong is one of those upon whom the



SIDE HILL GREENHOUSE OF A. L. THORNE, FLUSHING, LONG ISLAND, NEW YORK.

cares of business rest lightly but there is not a more vigorous man in the trade, no matter what his years. Athletic in every fiber of his body, it is his pleasure to take long bicycle tours and his leisure is always spent in some way which contributes to his physical enjoyment.

A. H. Budlong, more familiarly known as Bert, was born in Chicago, the year before the fire. He was brought up in the garden and about the greenhouses and as soon as he had completed his course in the commercial college was taken into the business, somewhat against his will, although he says he certainly has now no cause to regret the choice that was made for him. He was married in 1892 and has two bright children, Kenneth, aged nine, whose striking resemblance to his father is shown in the picture, being in direct line for a course in rose growing and greenhouse management. The place now has 125,000 feet of glass, much of it having been built since a wholesale store was opened at 37 Randolph street, where the cut of some twenty-five consignors is also handled. Glass to the extent of 50,000 feet is being added this year.

Six new connected rose houses are now well along toward completion. These are 27x200, built with Garland's iron gutter and posts, without purlin posts, 1 inch pipe being used for purlins, braced by a wire truss which runs through the range. There are no posts in the houses, except the gutter posts. The ventilation is all on the north side of the ridge, each alternate sash lifting from the top, the others from the bottom, which insures ventilation in all kinds of weather. These houses each have four five-foot benches, with 20-inch walks. An unusual feature here is that the 2x6 stringers for the benches are lengthways of the house, with bottom boards crossways. This permits the bench posts to be six or seven feet apart, instead of two and one-half to three feet. The glass is 16x18 and the bars are sixteen feet on the south side and fourteen feet on the north, the gutters six feet, the ridge thirteen.

In these new houses the two center benches are to be planted with Beauty, the side benches with Bride. Beauty is always one of the greatest successes here but last fall thrip got in and a very great deal of hard work has failed to eradicate the pest. It has meant much loss, and this season strong fumigation with tobacco, which Mr. Budlong thinks is the only preventive, will be continued from the time the plants are housed until it becomes no longer safe. Three times as many Brides and Bridesmaids will be planted as last year and Meteor will be more largely grown, as it is done to perfection. Liberty is to be discarded, but its space is to be given to Ivory. Mr. Budlong is a believer in carrying over rose stock but the exigencies of building require that the whole place be replanted with young stock this year. They have been propagating roses with fine results, of 250,000 Beauty cuttings at least ninety-five per cent having rooted. They have sold faster than they would root and this has grown to be an important part of the business.

The greatest departure of the season will be the erection of three houses 27x200 for carnations, all efforts for some years having been centered on rose growing. These houses will be identical with the rose houses and will be planted to such sorts as Hill, Triumph, Lawson, Crane and Peru.

All this big range will be heated from a central boiler plant, the present battery of three eighty-five and two fifty horse-power boilers being supplemented by one of 200 horse-power under which a Jones underfeed stoker will likely be operated. The extreme distance of piping from the boiler will be 500 feet. In the new range there will be three feed pipes across the ends of the houses, with a valve on each. These will supply the pipes under the benches, all of which will be flows and without valves. These pipes empty into three returns along the far end of the range.

A Side-Hill House in Flushing.

The accompanying illustration gives an exterior view of a portion of the greenhouses of A. L. Thorne, at Flushing, Long Island, an establishment which enjoys an enviable reputation in the New York market for the quality of the roses and carnations grown therein. As will be seen, the house is built on a moderately steep side-hill, facing nearly south. Mr. Thorne, who is a very observant and methodical gentleman, states that he considers this side-hill house the most economical as to cost of heating, in his establishment, the coal used for a given area being twenty-five per cent less than that used in his top-hill houses. The top range is heated by four No. 57 Hitchings boilers, and the range here illustrated, by two No. 57 and one No. 58. He attributes this saving mainly to the manner in which the side-hill house is protected from the north and west winds. The house is divided by a glass partition running north and south. In the smaller division, 40x150, are American Beauties. There are two ventilators in the roof here and one under the lower bench. The larger division, 60x167, is devoted to Bride and Bridesmaid roses. Here are three ventilators in the roof. From this house Mr. Thorne states that, when in crop, he cuts from 800 to 2,000 flowers daily. The entire length of the house is 317 feet and no difficulty has been experienced in keeping a uniform temperature throughout.

CHRYSANTHEMUMS.

PROPAGATING.

It is now time to put in cuttings of all varieties that are wanted for planting out in June. If the stock plants have not been neglected they will at this time be producing some fine cuttings, which will root readily. They will require close attention to prevent them wilting and will take a spraying two or three times a day. The best place to root chrysanthemums at this season is a north-side propagating house, using fresh, clean, sharp sand. Keep the cuttings shaded, also the temperature of the house a little close for a few days. After they have commenced to root ventilate more freely but guard against all draughts. Pot the young stock as soon as possible after it is well rooted, and after they take hold of the soil give as light and cool a place as you can.

Early propagated stock which has been potted a few weeks will be growing rapidly now and must not be neglected. If they require it shift up into larger pots. The general routine of the work in caring for chrysanthemums for the next few weeks will be to figure up enough stock of the right varieties for your requirements and to see that the plants are kept free of insects, also that they do not suffer for want of water or by overcrowding. Artificial heat can be dispensed with altogether now and a crack of ventilation left on all night, which will give the plants a sturdy, vigorous growth, also a constitution fit to stand the strain of work later on.

THE BEST CHRYSANTHEMUMS.

ED. AM. FLORIST:—What are the best chrysanthemums to grow for exhibition, also best for standards? I should be pleased if you would give me instructions how to proceed. The plants I have are in 3-inch pots. Will they make plants large enough for the fall exhibitions? J. W. S.

The best chrysanthemums to grow into bush specimens for exhibition are varieties with a dwarf, stocky habit like Ivory, W. H. Lincoln, Henry Hurrell, Mutual Friend, Mrs. Henry Robinson, Mme. F. Perrin, Geo. W. Childs and Col. D. Appleton. Among the best for standards are Niveus, Mayflower, Golden Wedding, Georgianna Pitcher, Hicks Arnold, Mrs. S. T. Murdock and Geo. W. Childs. Plants in 3-inch pots at this time are too small to make very large specimens for this season. The best thing to do with plants of that size now is to pot them along as fast as they require it, giving them every encouragement by paying strict attention to watering, airing and topping, figuring on giving them the final shift about the middle of July. They can be worked up into nice specimens in 8-inch pots and with some of the most vigorous possibly in 10-inch. I would not advise "J. W. S." to try and do much in the standard line with plants in 3-inch pots at this time. They should by now be at least two feet high; more would be better. It will therefore be much cheaper for "J. W. S." to let some one else grow the standards for this season and then make an earlier start another year. October and November is a good time to get them started. Grow them along till about three feet high, then pinch the tops out and also remove the side shoots except about six or eight at the top of the plant, which should be allowed to grow to form the head, they in turn being pinched back as required.

FROM CUTTINGS TO CUT BLOOMS.

ED. AM. FLORIST:—I should be pleased to have you outline for me the culture of Glory of Pacific and Polly Rose chrysanthemums from the cuttings to the cut bloom. R. L.

Glory of Pacific and its sport, Polly Rose, are very useful early chrysanthemums, but their season is rather short, and this should be taken into consideration when planting them. It is a good time to start the cuttings from now up till the first of June. They are both very vigorous growers and will go right ahead from the start. In planting you will have to figure to set them about six inches apart each way on account of their heavy foliage. They easily might take more room than that, but I doubt if it would pay. Like a good many varieties with heavy foliage they will sometimes wilt badly during excessively hot weather, especially if the beds are allowed to get too wet. In such instances it is best to keep the soil a little dry, making up for it by extra syringing and dampening the walks. Outside of this they will take the same treatment as other commercial varieties and in taking the buds we have had the best results from the crowns, taken about August 15.

CHAS. W. JOHNSON.

ARRANGEMENT OF FLOWERS AND FOLIAGE

Railroad Fares to Asheville.

The railroads represented in the Southeastern Passenger Association have agreed to a special rate of one fare for the round trip to Asheville and return from all points in their territory for the S. A. F. convention next August. This covers all the territory east of the Mississippi, and south of the Ohio river to Cincinnati and a line drawn therefrom through White Sulphur Springs and Washington.

This is the lowest rate of transportation ever conceded to the society and should insure a very large attendance from that section of the country. The railroads participating in this agreement are the following:

Alabama Great Southern Railroad,
Alabama & Vicksburg Railway,
Atlantic Coast Line Railroad,
Atlanta, Knoxville & Northern Railway,
Atlantic, Valdosta & Western Railway,
Atlantic & Birmingham Railroad,
Baltimore & Ohio Southwestern Railroad,
Central of Georgia Railway,
Charleston & Western Carolina Railway,
Cincinnati & New Orleans & Texas Pacific Railway,
Florida East Coast Railway,
Frisco System (K. C. M. & B. R. R.),
Georgia Railroad,
Georgia Southern & Florida Railway,
Illinois Central Railroad,
Jacksonville & Southwestern Railroad,
Louisville & Nashville Railroad,
Macon, Dublin & Savannah Railroad,
Macon & Birmingham Railway,
Mobile & Ohio Railroad,
Nashville, Chattanooga & St. Louis Railway,
New Orleans & Northeastern Railroad,
Norfolk & Western Railway,
Plant System of Railways,
Richmond, Fredericksburg & Potomac Railroad,
Southern Railway,
The West Point Route (A. & W. P. R. R. & W. Ry. of Ala.)
Tifton & Northeastern Railroad,
Tifton, Thomasville & Gulf Railway,
Washington Southern Railway,
Western & Atlantic Railroad,
Wrightsville & Tennille Railroad,
Yazoo & Mississippi Valley Railroad.

For the Trunk Line, New England, Central and Western Committees' territories rates have not yet been fixed, but for such part of the journey as comes within southeastern control, passengers from other jurisdictions are assured of a fare based upon the rate above given and as soon as anything more definite has been agreed upon, prompt announcement of same will be made.

WM. J. STEWART, Sec'y.

American Carnation Society.

Reports of the Indianapolis meeting of the society will be ready for distribution early in May. These will be sent to all paid up members and to any who may join the society during the coming year. Membership costs $2 per annum and this amount is to be sent the secretary if you wish to join.

DEPARTMENT OF REGISTRATION.

Peter Fisher, Ellis, Mass., registers Enchantress, a beautiful shade of light pink, deepening toward the center, similar to but far ahead of Daybreak at its very best In size and substance it is as far ahead of that grand old variety as Lawson was in its class at the time of its introduction. The plant is a splendid grower, of vigorous constitution, ideal habit and a very early, free and continuous bloomer. Blooms are of fine form, the guard petals being wide and well arranged. The center is full and well built up. The calyx does not burst and the blooms run three and one-half inches to four inches in diameter. The stem is two to three feet, strong and stiff and supports the flower perfectly erect. Easily the greatest advance in its color to date.

It is in the same class as Lawson, its polen parent, but ahead of that variety in form, size of bloom, length of stem, productiveness and early blooming. It is of easy cultivation, a splendid propagator, shipper and keeper

ALBERT M HERR, Sec'y.

A Well Grown Cyclamen.

The accompanying illustration is from a photograph of a cyclamen grown by Frank Sladen, gardener to George W. Fifield, Lowell, Mass. Mr. Sladen's cultural methods are simple. He sows the seeds in pans and when the plants are up pricks them off into flats filled with light loam, leaf mold and sand. The young plants are kept in the house, with plenty of air in favorable weather. After the first potting they are shifted twice, as they require it, a little extra manure being added to the soil each time. The final shift brings them to 7-inch pots. When they begin to set buds a little manure water is given once a week.

CYCLAMEN GROWN BY FRANK SLADEN, LOWELL, MASS.

Boston.

BREEZY NARRATIVE OF THE SEASON'S HAPPENINGS AT THE HUB AND IN ITS VICINITY —OUTDOOR FLORAL DISPLAY —CITY RETAILERS REPORT NOTHING DOING BUT LOCAL MEN FIND THEMSELVES OVER RUN WITH PLANTING ORDERS —GARDENER TAKES UP COMMERCIAL PURSUITS —VISITORS AND OTHER NOTES.

Boston is at present experiencing the delights of an early and very exuberant spring. Everybody who can is out of doors enjoying the feast of color and fragrance. The gardens are glowing with yellow forsythias, scarlet pyruses, gorgeous magnolias, feathery spiræas and brilliant tulips, daffodils and hyacinths The soft green of young foliage is everywhere and the air is redolent with the odor of cherry blossoms. It is not surprising, under such conditions, that the theater of floral interest should shift from the confines of the flower store to the enticing landscape of woodland, park and garden and that the city dealer, on on being pressed for news to help fill out the weekly budget of the industrious scribe, has to confess that he finds himself entirely destitute.

Of course, there are weddings, engagements, deaths and an occasional dinner where flowers in greater or less quantity are demanded and the frequent transatlantic steamer departures with which this port is now favored add to the opportunities for the city florist to eke out a living, and the curbstone broker stands ever-ready to barter on the daily shipments of greenhouse product which arrive in augmented bulk at the wholesale houses, but the grower, although insistent as ever in regard to the market value of his product, finds his thoughts turning seriously to the problems raised by the approach of the planting season and the annually recurring question of whether to build or not to build, while, if he is engaged in local retail trade, he finds himself literally swamped with the stupendous demand for shrubs, plants and shade trees which the prevailing revival in garden taste has brought forth. Whatever may be the lot of the city florist, his suburban brother certainly realizes that there is no such thing as rest in these hustling spring weeks and goes to bed when the day is ended, weary in body and mind, and the clubs and other prized "functions" of a social nature are forgotten and must get along as best they can without him.

This latter observation was inspired by the absence of more than one-half of the members at the meeting of the Horticultural Club last Thursday night despite the fact that it was known that the always-popular M. H. Norton was to preside, and also by a visit to the nurseries of R. & J. Farquhar & Co., at Roslindale, where brother Wm. Donald, erstwhile a private gardener of wide renown, but now manager of the greenhouse and nursery end of that enterprising firm, is learning, as so many private gardeners yearn to learn, just where the fun comes in of being a commercial man and how it feels as compared with the fun of winning medals at the exhibitions, and it is no wonder that his features wear a puzzled intensity of expression that speaks for itself. But the stock speaks for itself, too, and the two long greenhouses are filled to overflowing with a tremendous variety of bedding material and the acres of nursery, frames and storage sheds are equally expressive of prosperity and skillful management.

Visitors from afar have not been numerous the past week S. S. Pennock's earnest representative, E. J. Fancourt, favored us with a brief call and reported business in the ribbon department excellent all along the line except in Boston, and our esteemed contemporary, J. Austin Shaw, also favored us with a call, which we unfortunately missed. A valued friend whom we used to welcome with pleasure every spring as a worthy exponent of Emerald Isle enterprise, Hugh Dickson, writes from Belfast that he is now married and settled down for life and, with the added cares of a new branch establishment at Dublin, thinks he may never see "the States" again. As a stand-off to this displiriting intelligence comes the news that Boston is to be honored next week with a visit from George C. Watson, with order book in hand, also incidentally his ginger jar, pepper pot and various other characteristic accessories. Knowing the value of discretion we shall treat him with deference, feed him on beans and other delicacies and be careful not to jar him.

George A. Sutherland has taken advantage of a vacant store adjoining his establishment on Hawley street and has filled it up with the largest stock of metal wreaths, porcelaine flowers and other manufactured material of this class ever displayed in Boston. As Decoration day now looms up in the near future and the unusually forward season may cause the usual supply of spring blossoms to fall short, George sees prospects ahead of a big trade in these artificial goods.

The daily papers report another "hold up" in which Stephen Geary, a gardener of Bangor, Me., now employed at Winthrop, was the victim. He was struck on the head with a black-jack and robbed of $5, all the money he had. His assailants were two colored men, one of whom was promptly captured by the police.

New York.

TRADE NOT HEAVY AND SUPPLIES ALL THAT MARKET CAN ASSIMILATE AT LOW PRICES.—OUTDOOR FLOWERS FROM SOUTH FIND WELCOME.—CARNATIONS HAVE THE ADVANTAGE OF ROSES IN RECEPTION BY BUYERS.—CLUB MUST MOVE.—A VARIETY OF TRADE AND PERSONAL DOINGS

Last week's report of the state of the cut flower trade would fit this present week as well. We have not the extreme hot weather, and much-needed showers have intervened, but the conditions of supply and demand have not changed materially. Outdoor lilacs are being brought from the south in large quantities and, being popular, are sold readily by all grades of florists to all classes of people. Daffodils from the open ground are also crowding in and have settled the market for the indoor goods, excepting

in the case of some of the very choice varieties. Violets, as a rule, are valueless. Roses are abundant in all grades, as are also carnations, but the latter seem to have the advantage somewhat. Lilies are very abundant. This fact came in fortunately for Alex. McConnell, who on April 29 had a big wedding decoration at the Church of the Heavenly Rest, in which millionaire Ziegler's daughter was the bride and in which the extensive decoration of chancel and aisles was almost exclusively of lilies and palms Steamer trade is fully up to the average for the date.

The New York Florists' Club has been notified that the Elks' Hall, where they met for a number of years, will not be available for their use any longer. A special meeting was called for last Monday evening, at which it was decided to leave to the officers of the club the selection of a new headquarters.

The new Cut Flower Exchange opened at 5 a. m. May 1, amid most auspicious circumstances. There was a large crowd present and all were highly pleased with the surroundings and location. The hall is very spacious and light.

A new double pink geranium, very floriferous and of excellent habit has been put on the market by J. M. Horsburgh, of Elizabeth, N. J., under the name of Harriet Cleary. J. P. Cleary is duly elated thereat.

George Saltford has written a handbook for beginners in violet culture to be published next week by the Violet Culture Company The title is, "How to Make Money Growing Violets."

Clucas & Boddington are moving to more commodius quarters at 812 and 814 Greenwich street. C. H. Joosten is also changing his address from 85 Dey street to 178 Chambers street.

Julius Roehrs has just received from Germany a choice piece of marble statuary in recognition of his approaching silver wedding anniversary.

Rovatzos & Moltz have opened a wholesale store at 6 West Twenty-sixth street, opposite the entrance to the Exchange.

George Saltford is fitting up and is about to open a cut flower commission house at 46 West Twenty-ninth street.

W. H Kay has removed from 42 Dey street to 244 Fulton street, where he will occupy the entire building.

Visitors: G. C. Watson, Philadelphia; Arthur Cowee, Berlin, N. Y.; J. T. Butterworth, South Framingham, Mass.

Gleanings of Greater Gotham.

Recorded in the phonograph.—William Elliott: "The beef trust might pinch the inwards of some less unfortunates; it's not the case with us The Hollanders were overgenerous with their consignments, insomuch that it kept us guessing where we were going to find a market for 200 cases of roses and conifers. Have overcome the obstacle and cleaned up a profit that is satisfactory to both sides of the house."

Henri Beaulieu: "My pansies, Madame Perret, were awarded a gold medal at the Pan-American to Mr. Wm. Scott; the seeds were supplied by me. Please be sure to tell it in the AMERICAN FLORIST"

Charlie Carlin: "Whene'er I take my walks abroad, how many things I see."

Billie Bogart: "I was always good looking and always expect to be."

Enchantress to Lawson: "Don't be so puffed up."

Johnnie Weir: "I'm worse than a Greek, if there's any money to be made at it."

President Sheridan: "Please put that motion in writing."

Frank Traendly: (sotto voce) "Anything doing?"

Chicago.

TRADE ACTIVE AND SUPPLY AND DEMAND WELL BALANCED—BUSINESS DOWN TO A STEADY SPRING LEVEL.—SUPPLY SHORTENED BY REPLANTING AND OTHER CAUSES.—BIG HAIL STORM WRECKS GREENHOUSES AT BLUE ISLAND.—NOTES OF THE LOSSES.—NOTES OF DOINGS OF GROWERS AND OTHERS.

A feeling of general satisfaction with trade conditions prevails in the wholesale market. In the last ten days supplies have continued to decline, while demands increased until the ratio between them has assumed an excellent balance. Beauties are going off crop with most of the large producers and supplies are not now unwieldy, with the prospect of $4 for long-stemmed stock before many days. There is a good deal of the very short material but it is moving at fair prices. Brides and Bridesmaids are of good quality for the season, although the latter are losing somewhat in color. Meteor, with many growers, is showing marked improvement. The Liberty cuts are coming on and Kaiserin is beginning to make its appearance. There are still a great many carnations, but those of shipping grade are none too plentiful. Whites continue to lead the demand, but reds are also frequently called for. Violets are about out of the market and bulbous stock is seldom seen, except belated Easter lilies and callas, which continue to be plentiful. The first outdoor tulips are at hand. Lily of the valley has shortened up decidedly and better prices are being realized. Smilax is selling well, but there is enough for all requirements. Asparagus is not very good, as a rule, but there is lots of it There seems a very good prospect for at least an ample supply of greens next season, for several big growers are enlarging their capacity in this direction.

The most destructive hail storm which has been known in this section in many years swept over Blue Island on the afternoon of April 25 The stones were heavy enough to break all greenhouse glass in their path and the wind was so strong that it added to the breakage. The heaviest loser was Bryfogle, the vegetable grower, who will need upwards of 800 boxes of 16x24 glass to repair the houses. This means a loss of more than $4,000, to say nothing of the injury to the stock, which was very great. Heim Brothers lost 600 boxes of glass, and a great deal of the stock was cut to pieces and rendered valueless. The same story is told of H & R. Hilmers, where 300 boxes of glass were broken. W. F. Hennig, who has just started in business, lost 100 boxes, under which were 2,000 fine geraniums in 4-inch pots and other bedding plants which were practically ruined.

Wietor Brothers are preparing to bench 50,000 chrysanthemums for fall, their list of varieties running the whole course of the early to late sorts of recent introduction. They have also bought 3,000 Harrisii and longiflorum bulbs for next spring's forcing.

Kennicott Brothers Company got into their additional space this week, their room being enlarged some thirty percent by the removal of a partition in the building. During the summer the place will be remodeled and the facilities much improved.

Luke Collins has taken possession of the Paterson place, formerly occupied by Ed. Eagle, and is preparing to relay the glass on a couple of the houses, the rest of the place being in very fair shape. Mr. Eagle is now in a new place farther south.

The tulips at Lincoln Park have been in bloom this week. The authorities are evidently buying a very inferior grade of bulbs now, the plants being very uneven Many of the beds are empty.

H. Basuke, at Bowmanville, has had fine success this season with carried-over Beauties. He had a fine crop for Christmas and has another good cut on now. Randall handles it.

The Adam Schillo Lumber Company has been organized by the heirs of Adam Schillo, from whom many of the local greenhouse people have been buying their lumber.

We are informed by the J. D. Thompson Carnation Company that blooms of their new variety, Enchantress, will not be ready for exhibition before October 1.

During the hail storm of April 25 Mrs. Bryfogle, of Blue Island, was thrown from her buggy in a runaway and slightly injured.

Mrs. Warren, who has conducted the Klunder place on Michigan avenue since the old gentleman's death, is looking for a purchaser.

There will be thousands of visitors at the parks tomorrow and during the next few days, for the tulip displays are at their best.

Bassett & Washburn are glazing a new house 35x300 and 20 feet to the ridge, which is to be devoted to asparagus.

O. P. Bassett, Mrs. Bassett and her mother went to West Baden Tuesday evening for the usual ten days' stay.

Paul Kopanka has gone to Kansas City to become foreman for George M. Kellogg, at Pleasant Hills, Mo.

E. A. Asmus & Co. have their place in good running order now and report a steadily increasing business.

The annual spring picnic of the employes of Vaughan's Seed Store will take place May 11.

Visitors: C. A. Dutton, Holland, Mich.; H. B. Blaisdell, Bradford, Ill.

Philadelphia.

WONDERFULLY HEAVY CUT OF BEAUTIES.—QUALITY EXCELLENT AND PRICES VERY LOW—OTHER STOCK ALSO PLENTIFUL BUT WELL CONSUMED.—BEDDING PLANTMEN HAVE ALL THEY CAN DO.—STOCK ALREADY EXHAUSTED IN MANY LINES.—NOTES OF VARIOUS DOINGS OF MEN OF THE TRADE.

This is Beauty weather and the quantity of this rose now coming in completely dwarfs all the other varieties. All the shipping boxes are pressed into service and still there are not enough and in some cases they are carried in bundles. The quality of the stock is excellent, when the quantity is considered. One grower sent in 1,300 blooms for one day's cut. Prices are away down; $1.50 per dozen will buy a fine grade of extra long-stemmed stock and, as the fakirs are seen on the busy corners in the shopping districts, with great armloads of just such stock, calling out "15 cents, two for a quarter," some idea may be had as to what they pay. Bridesmaids and Brides are also plentiful, but the

market seems to take the bulk of the stock without trouble; $6 to $10 is the price. Robt. Scott & Son are sending in some well colored Scott roses. It is a pity this variety does not have a longer stem, as it is a beautiful flower of perfect form and color when half to full blown. We hope to see more of it next season. Carnations are good and plentiful; $2 will now buy very fine stock, but a few fancies still fetch $3 to $4, although the demand for these is light. This week will wind up the violets. The streets are now lined with lilac and spring blossoms, which sell well.

The bedding plant men are now very busy. Geraniums, particularly, are moving very quickly and all classes of this stock is in great demand. Good roses are scarce, the most of the stock being too small to suit fastidious customers who want an effect at once and are willing to pay for it. Rhododendrons are also in great demand. H. Waterer is sold out and says he had to refuse orders for over a thousand plants, as he could not get the stock to supply them.

M. Rice, of M. Rice & Co., sailed for Europe last Saturday. Mr. Rice says he finds it pays to go to the European markets and look the goods over personally and in this way get next to the novelties that may be offering. His firm report the best business in their history the past year.

Mr. and Mrs. Robert Crawford celebrated the twenty-fifth anniversary of their wedding last Friday evening. Their many friends gathered to extend their congratulations. The house was handsomely decorated and all present enjoyed themselves hugely.

H. Bayersdorfer has a scheme to centralize the wholesale business, both of cut flowers and florists' supplies, that if he could bring it about would certainly revolutionize things. We wish him success, but—

Robt. Craig & Son have just received a large importation of bay trees, which carried very well. They are handling thousands of rooted carnation cuttings; in fact, they never had such a demand.

Pennock Brothers have had a pretty window decoration of apple blossoms. Two large trunks and limbs of apple trees were covered with the branches in bottles of water.

Joseph Heacock reports an immense sale of young Beauties and could have sold thousands more if he had room to handle the young stock.

Geo. C. Watson is off on a trip to Boston and vicinity. K.

Cleveland.

CLUB HOLDS WELL ATTENDED SESSION.—INTEREST IN THE QUESTIONS AND DISCUSSIONS.—ABOUT THE LILY TROUBLES—THE BEST BEDDING GERANIUMS.—OTHER BEDDING PLANTS.—TRADE STILL ACTIVE ON CUT FLOWERS—VARIOUS NOTES.

The regular meeting of the club was held April 28, with the attendance beyond the average. It is very gratifying to note the increased interest taken in these meetings. Out of the question box came a query from A. Schmitt: Is there such a lily as longiflorum "multiflorum" and what is meant by calling a lily that only produces from one to three flowers to a stalk "multiflorum?" The question remained unanswered, but in the discussion which followed Adam Graham expressed the opinion that the bulbs shipped to this country from Japan are in a great measure seedlings collected in a haphazard way by the natives, sold to the dealers, who bundle them into boxes, ship them to this and other countries labeled to suit the purchaser, "multiflorum," "giganteum," "eximum," or any other old "mum." In his opinion this state of affairs will continue until the business of lily growing in Japan is taken in hand by thoroughly practical men and a process of weeding out practiced until nothing but the best strain remains in cultivation. Not until then need we expect relief from the lily trouble. It is a commendable fact that the Harrisii growers of Bermuda are working on these lines at present, as a marked improvement has been noticed in the bulbs from Bermuda this season. A further improvement is promised for next year. It is to be hoped the promises will be fulfilled and the Harrisii in time restored to its former glory.

In geraniums, Mr. Schmitt says the new variety, Jean Viaud, is a decided acquisition to the bedding list Nutt and Hederant are considered among the best of the older varieties. There is an opening for a good white one. Wm. Hart said Hederant, or double Grant, as some call it, requires a heavy soil to grow it to perfection. Planted in light soil it has a tendency to rust. There was a diversity of opinion concerning heliotrope as a bedding plant, Mr. Brinker claiming the demand is increasing for this old-time favorite, while others thought there was a decline in the demand for heliotropes, fuchsias and ivy geraniums.

The stores still continue to do a good business and prices remain about the same, with some slight variations. Sweet peas are becoming plentiful. Carnations still continue scarce. Smilax has shortened up and good stock is hard to get; plenty of adiantum is to be had.

Mr. Cushman, of Sylvania, O., honorary member and ex-president of the Cleveland Florists' Club, was in town last week looking very happy. It is a daughter.

Mrs. S. A. E. Lyman, of the Essex Greenhouses, is sending in some extra fine snapdragon.

R. Hoffman, of Miles avenue, reports business good. ECHO.

Waterbury, Conn.

NOTES OF A VISIT TO A SUCCESSFUL GROWER.—HEAVY CUT OF HIGH GRADE ROSES—EXPERIENCE WITH THE NEWER CARNATIONS.—NOTES OF OTHER DOINGS.

It is evident from the widespread discussion of the superiority of grafted roses over those on their own roots, that the former will be largely planted this coming season. All through the New England states the grafted rose practically holds sway, having displaced the own root stock at the ratio of at least three to one. A. Dallas, who is not only a practical grower, but a man endowed with business acumen as well, has kept a record for the past few years, showing the yield of two rose houses, each 20x150. Thus his book shows that from October 1, 1901, up to March 1, 1902, his cut amounted to 62,194, all first-class roses, such as would bring in the open market $8 per hundred. These are actual figures and speak for themselves Aside from all other considerations, having equipped his houses with solid beds, he finds no need of replacing his plants every summer. On the contrary, the difference between four-year-old plants and young stock, as I observed at his own place, seems to be in favor of the former. Thus considerable is saved in labor and expense.

Four houses, each 20x150, are given to carnations and one of equal dimensions to smilax, asparagus and miscellaneous plants. Among the pinks Marquis most decidedly takes the lead and, in Mr. Dallas' opinion, one would have to seek high and low to find its equal. Frances Joost, Genevieve Lord and the old James Dean are likewise behaving splendidly, while Lawson, like everywhere else, stands without a peer. Morning Glory is away ahead of Daybreak, and, though comparatively small, it has certainly proved a most desirable and paying variety. Cressbrook and Nelson will be added to the list of pinks next season. In reds Crane and Jubilee are the only two, both doing well, while in whites Queen Louise holds first place, with White Cloud and Flora Hill as close seconds. Bradt is the only fancy.

Under the supervision of foreman Carl Bjorklund things about the establishment are in the pink of condition. Neatness and order are not the least attractive features about the place. At the Union street establishment, where the store is located, palms and ferns are grown in quantity. Business has been exceptionally good all through the season and the spring season bids fair to prove a record breaker. NOMIS.

Tarrytown, N. Y.

HORTICULTURAL SOCIETY HOLDS INTERESTING MEETING.—MEMBERSHIP LIST GROWING STEADILY AND RAPIDLY.

The regular meeting of the Tarrytown Horticultural Society was held on April 24, President Wm. Scott in the chair. The following were proposed for membership: H. H. Rayner, Tarrytown; Wm. Hasting, of Tuxedo Park; Robert Borcham, of Ardsley, and Henry Kastberg, of Dobbs Ferry. The following were elected to membership: Edward Cosgrove, Henry Harms and James Ballantyne, and to honorary membership, W. R. Cobb, Tarrytown, and N. E. Sands, of Ardsley. It was decided to hold a show in June and the arrangements were referred to the executive committee. The schedules for the November show are now ready and will be sent on application to the secretary, E. W. Newbrand, Tarrytown.

An essay was read by Wm. Gomersall, of Fishkill, entitled "Our Outdoor Fruits," and after discussion a vote of thanks was given Mr. Gomersall. A. J. R.

Allentown, Pa.

GROWER STARTS WITH FOUR MODEL HOUSES.—WILL GROW FOR WHOLESALE.

John F. Horn, when he concluded to move into his own place, built, to start with, three carnation houses each 20x300 and one rose house 25x140. These are built in the best possible way and equipped with all the modern appliances. Besides his retail trade, which is large, Mr. Horn intends growing for the wholesale market as well. The best standard varieties and a few of the novelties of this year's introduction will constitute the carnation stock to be grown next season. NOMIS.

CRETE, ILL.—Gottwald Heinrich has opened a store at Chicago Heights, with Miss Anna Brockman in charge.

ALBANY, N. Y.—The partnership heretofore existing under the name of Woodward, Sherman & Eberle was dissolved April 25 by mutual consent. The business will be continued by Frank A. Sherman and Frederick W. Eberle, under the name of Sherman & Eberle.

THE AMERICAN FLORIST

SEVENTEENTH 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.

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.

cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

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-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., Chicago.

MORE grafted roses will be planted this spring than ever before, particularly in the west.

WE are in receipt of some good blooms of marguerites and spikes of stocks from N Greivelding.

THERE was never greater demand for competent growers and it certainly spells higher wages for first-class men.

A NEAT and salable window box is made of inch boards covered with rough bark, bound by half round, bark covered strips at the corners.

THE number of legitimate "want" advertisements in a publication is always a good indication of the way that paper is read by the people.

DESPITE the fact that many growers have met with little success in growing Liberty, plants of this rose are the most readily salable item in the list of young stock

THE mailing label on your paper shows when your subscription expires; when you send your renewal note that the date changes within two weeks; it will serve as your receipt.

CONTRIBUTIONS to our columns are welcomed, but correspondents must not fail to sign their full name. There is no other place but the waste basket for unsigned manuscript.

Hail Insurance.

There was a severe hail storm at Blue Island, Ill., last week. Ten of the hail stones weighed one pound and it may be easily imagined that they made considerable havoc with greenhouse property. The losses to local florists, estimated on a strictly conservative basis, were about as follows: Heim Bros , $5,000: H. & R. Hilmers, $2 000; Mrs. Bryfogle, (market gardening) $6,500; W. F. Hennig, $700. There are a couple of other smaller florists at Blue Island, whose losses we could not ascertain. As a matter of information it may be stated here that most of the glass on the establishment of Heim Brothers was 16x24, double thick. Three-fourths of these panes were broken. One or two old houses were glazed with single thick glass and practically every pane was broken.

Not one of these concerns carried hail insurance. The lesson is obvious, and every greenhouseman throughout the country will do well to take it to himself. Write at once to John G. Esler, Saddle River, N. J., and tell him to insure your greenhouses.

It Did the Business.

ED. AM. FLORIST:—Enclosed is $1 to pay for our one-inch advertisement "Fifty Thousand Rose Plants." It appeared only once but it did the business; sold all our plants.

Fostoria, O. FOSTORIA FLORAL CO.

Plant Exhibits at Asheville.

ED. AM. FLORIST:—Our Auditorium is completed and the grounds are ready for planting. If any florist wishes to exhibit growing plants of any kind at the August S A. F. meeting, I will be glad to plant and care for a limited number free of all charge except the freight or express on same. J. W. C. DEAKE.

Asheville, N. C.

The Lily Question.

Elsewhere in this issue we print part of a letter from Japan bearing on the Lilium longiflorum question and apparently confirming the views taken in recent articles which have appeared in the AMERICAN FLORIST. It would seem that the fierce competition here and in Japan has caused the importers of these bulbs to overlook the primary rights of buyers to receive true stock fully matured and in condition to produce first-class results if properly handled. There is a moral question involved here. No self-respecting nurseryman will dig a deciduous tree in leaf or allow it to be dug except in the presence of the man who is to use it and who takes the risk himself after a full explanation.

Greenhouse Building.

Mason City, Ia —Wheeler Floral Company, two houses 20x42; one 25x42.

Creston, Ia.—Floral Park Greenhouses, two houses 20x80.

Warren, O.—John Adgate, two houses.

Manchester, Mass.—Philip Dexter, conservatory 135 feet long.

Beverly Cove, Mass.—Geo. E. Ward, range of houses.

Edgely, Pa.—Floral Exchange, rose house 63x307.

West Medway, Mass.—Albert Smith, cucumber house. Chas. M. Smith, cucumber house.

Hartland, Me.—H. C. Fuller, one house

Yonkers, N. Y.—S. Untermyer, range of conservatories.

Orange, N. J.—B. N. French, house 12x70. E. Van Gasbeck, house 12x57.

Brooklyn, N. Y.—P. McGowan, conservatory.

Chrysanthemum Society of America.

The action taken by those members of the Chrysanthemum Society of America, who met at Indianapolis in February, should be endorsed by and receive the hearty support of all who grow the chrysanthemum, for there is much good work awaiting the doing in the chrysanthemum field. The interest in the chrysanthemum is extensive and assuredly will be long sustained; since the popular regard for the flower has grown to such an extent it will always be in large demand in its season. The record of work performed by the C. S. of A. from its inception to date, though falling short of what might be expected in volume and comprehensiveness, is at least satisfactory in its efficiency, and the benefits arising therefrom have accrued to the growers.

The action above mentioned, of holding an exhibition in chrysanthemum time, should arouse widespread general interest. The Horticultural Society of Chicago has made the exhibition an assured fact, and it now behooves chrysanthemum growers to try and make the show in Chicago next November the greatest and most complete chrysanthemum exhibition ever yet held. A preliminary list of premiums has been issued. It contains fifty-one classes for chrysanthemum flowers and plants. Copies of the list can be obtained on application to Edwin Lonsdale, Wyndmoor, Pa., or E. A Kanst, 5700 Cottage Grove avenue, Chicago, Ill.

This exhibition will certainly bring together a large number who are specially interested in the chrysanthemum, and it would seem eminently fitting to further signalize the occasion by holding a chrysanthemum convention at the same time and place; for, as before said, there is work to be done, and it can best be accomplished when there is a large "community of interests" gathered together.

Reviewing the work that has been accomplished by the society, we are confronted with the fact that it has been mainly along commercial lines. Coincident with this work we have seen commercial standards of excellence materially advanced. We have also seen the chrysanthemum as an exhibition flower successfully exploited and brought to a surpassing degree of excellence. A continuance of this is most desirable, but a society organized in the interests of a particular flower should take cognizance of all its types and forms. The time will be opportune in Chicago next November. Shall we avail ourselves of it?

A. HERRINGTON, Pres.

OBITUARY.

CHARLES E. KIRKHAM.

Charles E. Kirkham, aged about fifty years, of Petersburg, Va , dropped dead, April 22, at the office of the Southern Express Company. Death resulted from heart trouble. He is survived by a widow. The deceased was a member of member of A. P. Hill Camp of Confederate Veterans.

JOHN BAHLS.

In the death of John Bahls, who passed away on April 20, Cleveland lost one of its pioneer florists. Coming from the northern part of Germany, he started in Cleveland as private gardener to Dr. Schenck. This position he resigned and started into the commercial line on St. Clair street, where he conducted a successful business for over forty years. His kindly disposition won for him a host of friends. He is survived by a daughter.

J. STERLING MORTON.

The death, at River Forest, Ill., April 28, of J. Sterling Morton, Secretary of Agriculture in President Cleveland's second cabinet, will be mourned both by those who enjoyed his personal friendship and by all who admire manly virtue and robust integrity in public life. By nature a controversialist, Mr. Morton's whole public career was one of straight steering against obstacles. He was unalterably opposed to the free distribution of seeds by the government and found himself out of harmony with congress. "Plant trees" was the motto printed on his private stationery and he will long be remembered as the founder of Arbor day. Mr. Morton was born in Adams, N. Y., April 22, 1832, but his parents, descended from Puriton stock,

early removed to Monroe, Mich Here the boy attended school, going thence to the University of Michigan and to Union College, New York. In 1855, the year following his graduation, he married and located in Nebraska, being identified with the territorial history of that commonwealth and a candidate at its first gubernatorial election, losing by an irregularity because of which 160 votes were thrown out. Mr. Morton was frequently pointed to as the representative farmer; certain it is that he was the friend of the tiller of the soil, the horticulturist, the gardener and the florist.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (six words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1902 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—Steady, by sober industrious man, 11 years in America, grower of cut flowers, plants, etc. Address, with offer,
WILL, care American Florist.

SITUATION WANTED In retail florist store; 16 years' experience in leading New York establishment. First-class references. Address
E G, 50 West 29th St, New York.

SITUATION WANTED—As foreman and grower of cut flowers and plants. Have been foreman with prominent florists around Chicago for a number of years. Address
FLORIST, Box 51, Hinsdale, Ill.

SITUATION WANTED—By practical florist, 23 years' experience with palms, ferns, orchids, blooming and forcing plants. Good designer, decorator and salesman. Private or commercial place. Address O F, care American Florist.

SITUATION WANTED—As foreman by thoroughly practical florist. Good decorator, designer, etc. Grower of No. 1 roses, carnations and 'mums. First-class commercial or private position. Good wages expected. Address
G. FOREMAN, care P. O., Canton, O.

SITUATION WANTED—By good all-around man, 33 years of age, single, 18 years' experience in all branches—lawn, greenhouses, roses, shrubs, trees, etc. Private place preferred; best of references from America and Germany
Address S L, care American Florist.

SITUATION WANTED—By a competent florist; grower of first-class roses, carnations, 'mums, violets and general greenhouse plants; 25 years' experience. Want position as foreman. Can manage men with success. Best of references; strictly temperate; expect good wages. Address
C H W, care American Florist.

SITUATION WANTED—By single, middle aged man, as gardener and florist, on private place or otherwise; honest, and competent to produce wonderful results at the least expense. A fair salary and permanent place. Will go anywhere. Address for particulars, stating best wages paid.
S S, care American Florist, Chicago.

WANTED—A good greenhouse hand; wages $20.00 to $25.00 per month with board.
W. L. SMITH, Aurora, Ill.

WANTED TO BUY—Greenhouses with dwelling and good soil. Have $1000 to $1200 cash. Address H H, care American Florist.

WANTED—Rose and carnation grower and one good designer and decorator. State experience and wages. W. A. DUKE, Danville, Ill.

WANTED—To lease, within 50 miles of Chicago, a place of 5,000 to 15,000 feet of glass in first-class condition. Address
C W, care American Florist.

WANTED—A good florist to grow roses, carnations, 'mums and general stock. $30.00 per month; board and room. State age and references. C. HUMFELD, Clay Center, Kans.

WANTED—A smart young man with some experience in greenhouse work. State wages expected without board. Give references. Address GIBSON BROS., Newport, R. I.

WANTED—A first-class Beauty grower, married man preferred. Will pay good wages to right man. If satisfactory will give full charge of establishment. JNO. MUNO,
51 Wabash Ave, Chicago.

WANTED—Rose and carnation grower, to take charge of 20,000 feet of glass Must be well recommended. State wages wanted with board and washing, also age. Address
JOHN L. WYLAND, De Haven, Pa.

WANTED Competent store man to take charge of a first-class store. Must have the very best of references as to ability and qualifications. Address, stating salary expected,
THE GRANT-WILSON FLORAL CO.,
480 Prospect St., Cleveland, O.

WANTED First-class rose grower to take charge of section. Best references required as to ability, character and sobriety. State wages expected when writing. Address
THE J. A. BUDLONG & SON CO.,
171 Canal street, Providence, R. I.

WANTED—We have a good chance for a thorough, first-class grower who wants to enter business for himself, to take charge of a new range of glass devoted to growing roses, carnations and palms for the retail store. This will bear close investigation. Address
G W, care American Florist.

WANTED AT ONCE—A florist and gardener, to take charge of four houses, each 50x20 feet, and small garden. Must understand growing 'mums, roses and carnations. Married man preferred; $30 per month and board, or house and fuel furnished. Address
MT. STERLING FLORAL CO., Mt. Sterling, Ky.

WANTED—Florist to take charge of 10,000 feet glass. Must understand roses, carnations and general greenhouse stock. State wages expected and give references. This will lead to further advancement, as new block of houses are soon to be erected. Party must be able to come at once. Address
THE GRANT-WILSON FLORAL CO,
606 Jennings Ave., Cleveland, O.

FOR SALE—Good second-hand greenhouse material. L. A. WHEELOCK, Ovid, Mich.

FOR SALE Bargain: 3,000 feet second-hand glass 16x24, double thick. Address
R C, care American Florist.

FOR SALE—Prosperous, up-to-date, growing florist business; established 12 years. Address for particulars, MRS. S. N. ALKIRE, Greenview, Ill.

FOR SALE—6,000 feet of glass well stocked, house, etc. All O. K. and in good order. Bargain; terms easy; other business. Address
Box 53, Decatur, Ill.

FOR RENT—Greenhouses and 14 acres of land with good dwelling and good water supply, without extra expense for rent. Enquire of
T. H. WRIGHT & CO., Ft. Dodge, Ia.

FOR SALE—Three greenhouses, 7-room dwelling, stable, 7,000 bedding plants, etc Illness cause of selling. Good home trade. Address
MRS. K. HARRIE DANE, Winchester, Mass.

FOR SALE—Fine store fully equipped for retail florist; doing good business; will be sold at great sacrifice on account of death of partner. For particulars, call at
2202 Michigan Ave., Chicago.

FOR SALE—At a bargain, greenhouses, 25,000 feet of glass, land and good dwelling house, barn, etc., in best of condition and well stocked; near Chicago; owner going into other business. Address H G, care American Florist.

FOR SALE—25,000 feet of glass; established 15 years, 8 miles from city hall, Chicago, dwelling house, barn, wagons, tools, etc., all complete and at a bargain. Right man could make price asked in one year. Address
CHICAGO, care American Florist.

FOR SALE—Florist's business. Well established and doing a good retail business. Located in one of Chicago's wealthiest suburbs; 25,000 feet of glass well stocked for spring sales. For full particulars and price address
E, care American Florist, Chicago.

FOR RENT—A prosperous retail and wholesale business; new houses complete; 15,000 feet of glass, 16x24; one acre of land, and dwelling; rent $60 per month; opposite Woodmere Cemetery gates; one mile from Detroit, Mich. Address
ANTON KAIER, Woodmere P. O., Mich.

WANTED,

Rose Growers

Good wages and a desirable position for competent and faithful men.

SOUTH PARK FLORAL CO.,
NEW CASTLE, INDIANA.

FOR SALE OR RENT—6,000 feet of glass, hot water heat; own water works; sale for all you can grow. Quick buyer can double price asked for stock in sixty days; terms easy; no triflers. For particulars Address
J. G. REYNOLDS & SON,
261 W. Pulteney street, Corning, N. Y.

Position Wanted as

MANAGER OR FOREMAN

on commercial place. Wholesale or retail. References of the highest quality.

M. BLOY, 212 Woodlawn Ave., Buffalo, N. Y.

WANTED.

At once, a man who can grow roses, carnations, 'mums and general stock. Send references and wages expected. Steady place the year round.

CHRISTIAN DEHN, Saratoga, N. Y.

WANTED A first-class store man. The advertiser wishes to open a first class store in one of our largest and most progressive cities, and would like to correspond with a competent florist who would like to invest a corresponding amount of capital. This is a No. 1 chance for the right man. Address, stating qualifications and, the amount of capital you would be able to invest.
F C, care American Florist.

WANTED **ROSE PROPAGATOR** of more than ordinary **SKILL.** Must be thoroughly competent with cuttings and in root grafting; should understand hybridizing, crossing, etc. Useless to apply unless you have long experience and can show a successful record. Position permanent to man who can fill it. State wages expected, age, married or single, full particulars as to experience and furnish references. **California Rose Co., Los Angeles, Cal.**

$300 Per Month.

Do you want it? If so, buy me out NOW, at your own price. Good reasons. 15,000 feet. It costs you a postal card to have particulars.

C. S. FITZSIMMONS, Lansing, Mich.

For Sale at a Bargain

Greenhouses, 25,000 square feet of glass, all in good condition and paying well; within 20 miles of Chicago. Owner is going to retire from business. Address
F S, care American Florist.

FOR SALE Business including two new greenhouses, 50x25 feet, well stocked with all kinds of plants. Houses are built in the latest and most improved styles. Store fixtures including an elegant soda fountain and all pertaining to it. Stock of palms and confectionery, chairs and tables for ice cream parlor. Right in the heart of the business portion of city. Established 5 years. Am the only one in the business here—population 40,000. Reasons for selling, I want to go west to friends. Write for particulars. **L. O'Sullivan, West Superior, Wis.**

If you want to get the want you want to get, you want to get your want ad into the

AMERICAN FLORIST

Try it now.

Every advertisement represents a genuine want. It pays to answer them.

PRICE LIST.

	Per doz.
Roses, Beauties, 30 to 40 inch stem	$3.00
" " 20 to 24 "	$2.00 to 2.50
" " 12 to 15 "	1.00 to 1.50
" " short	.50 to .75
	Per 100.
Brides, Maids, Meteors, Gates	$5.00 to $7.00
Golden Gates, special, fancy	8.00 to 10.00
Roses, our selection	3.00
Carnations, extra fancy	2.00 to 2.50
" fancy, good average	1.50
Violets	.50 to 1.00
Mignonette	4.00 to 5.00
Easter Lilies, select	10.00 to 12.50
" " seconds	6.00 to 8.00
Callas	10.00 to 12.00
Tulips, double	4.00
" single, all colors	3.00
Daffodils, double, extra fine	3.00
Lily of the Valley	3.00 to 4.00
Asparagus Per string,	.50 to .75
" Sprays Per 100,	2.00 to 3.00
" Sprengeri "	3.00 to 6.00
Common Ferns per 1000	3.00
" " Per 100	.30
Galax Leaves Per 1000	1.00 to 1.50
Smilax, extra heavy Per 100	15.00 to 18.00
Leucothoe Sprays "	1.00
Adiantum "	1.00

We are receiving a very fine line of

ROSES AND CARNATIONS

As well as all other stock and are the only firm in Chicago carrying a stock of

WILD SMILAX

always on hand.

J. B. Deamud,

51 Wabash Ave., Chicago.

WILD SMILAX PER CASE.

No. 1, 15-lbs	$2.50	No. 4, 35-lbs	$4.50
No. 2, 20-lbs	3.25	No. 5, 40-lbs	5.25
No. 3, 25-lbs	3.75	No. 6, 50-lbs	6.00

Prices subject to change without notice.

E. H. Hunt,

WHOLESALE.....

Cut Flowers

THE "OLD RELIABLE,"

76 Wabash Ave., CHICAGO.

The Cincinnati Cut Flower Co.,

416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

LILY BULBS

Rubrum, Auratum, Album, Giganteum, Single Tiger, Double Tiger. Close rates.

Gladiolus "1900"

NOVELTY. Very showy for cut flower work and florists' window decorations. Spikes 15 inches long, very strong grower, rich red color, three white spots on lower petal. Good substance, lasting well after cutting. Successive plantings of this would secure fine window show the whole season. Per 100, $3.75.

GLADIOLUS Mixtures A good assortment.

Vaughan's Seed Store, New York. Chicago.

COMMISSIONS CARRIED OUT IN LONDON

or any part of Great Britain.

Messrs. WILLS & SEGAR will attend to any commission from American florists for the supply of Cut Flowers, Birthday Flowers, Bouquets, High Class Floral Designs, etc., to their clients who may be traveling in England.

WILLS & SEGAR, Court Florists to His Majesty, The King.

ROYAL EXOTIC NURSERY.

TELEGRAMS, FLOSCULO, LONDON. Onslow Crescent, South Kensington, LONDON, ENGLAND.

Frank M. Ellis,

WHOLESALE FLORIST,

1316 Pine Street, ST. LOUIS, MO.

CONSIGNMENTS SOLICITED.

H. G. BERNING

Wholesale Florist

1322 Pine St., ST. LOUIS, MO.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

Wholesale Flower Markets

MILWAUKEE, May 1.

Roses, Beauty, long, per doz.	2.00@ 3.00
" " med. "	1.00@ 1.50
" " short "	.50@ .75
" Liberty	6.00@10.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	4.00@ 6.00
" Golden Gate	4.00@ 6.00
" Perle	4.00@ 6.00
Carnations, ordinary	1.00
" fancy	2.00
Callas	8.00
Harrisii	10.00
Lily of the valley	4.00
Daffodils	3.00@ 4.00
Tulips	2.00@ 3.00
Adiantum	.75@ 1.00
Smilax	18.00@20.00
Asparagus	65.00
Common ferns	.25

PITTSBURG, May 1.

Roses, Beauty, specials	20.00@30.00
" " extras	12.50@18.00
" " No. 1	6.00@10.00
" " No. 2	2.00@ 4.00
" Bride, Bridesmaid	2.00@10.00
" Meteor	2.00@ 6.00
Carnations	1.00@ 3.00
Lily of the valley	2.00@ 3.00
Violets	.20@ .75
Harrisii lilies	8.00@12.00
Pansies	.50@ .75
Daisies	.50@ 1.00
Tulips	3.00@ 4.00
Sweet Peas	.50@ 1.00
Smilax	15.00@18.00
Adiantum	.75@ 1.00
Asparagus	35.00@40.00

CINCINNATI, May 1.

Roses, Beauty	10.00@30.00
" Bride	2.00@ 4.00
" Bridesmaid	2.00@ 4.00
" Meteor	2.00@ 6.00
" Perle	2.00@ 4.00
" Liberty	1.00@ 6.00
Carnations	1.00@ 3.00
Harrisii lilies	8.00@10.00
Lily of the valley	3.00@ 4.00
Tulips	3.00@ 5.00
Romans, Paper Whites	2.00@ 3.00
Asparagus	50.00
Smilax	15.00
Adiantum cuneatum	1.00
Common ferns	.20

ST. LOUIS, May 1.

Roses, Beauty, short stem	5.00@12.50
" " long stems	15.00@25.00
" Bride, Bridesmaid	3.00@ 8.00
" Meteor	3.00@ 5.00
" Golden Gate	4.00@ 6.00
Carnations, ordinary	1.00@ 1.50
" choice	2.00@ 2.50
Sweet peas	.25@ .75
Harrisii	5.00@ 8.00
Callas	6.00@10.00
Lily of the valley	3.00@ 4.00
Lilac	3.00@ 5.00
Jonquils	.25@ .50
Smilax	15.00
Asparagus Sprengeri	1.00@ 1.50
" Plumosus	1.00@ 1.50

MICHIGAN Cut Flower Exchange,

WM. DILGER, Manager,

WHOLESALE COMMISSION.

Full line of Florists' Supplies and Decorations. Special attention to shipping orders.

26 Miami Avenue, DETROIT, MICH.

RICE BROTHERS

WHOLESALE FLORISTS and FLORAL SUPPLIES.

Receivers and Shippers of Fresh Cut Flowers.

Special attention to shipping orders. A complete line of Florists' needs. Send for price list. Prompt returns on all consignments.

128 N. Sixth St. MINNEAPOLIS, MINN.

Please mention the American Florist when writing.

C. A. KUEHN, Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

Pittsburg Cut Flower Co. Ltd

WHOLESALE FLORISTS.

Pittsburg, Pa.

Please mention the American Florist when writing.

Watch This Space

FOR FUTURE BARGAINS.

JOHN BROD,

349 West North Avenue, CHICAGO, ILL.

Greenhouses, Niles Center, Ill.

ELECTROS...

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO.,

.....324 Dearborn St., CHICAGO.

Week after week we have been making a

Little Argument

On this page to attract new business. We have told of our facilities to handle YOUR trade—told you simply, offering no more than we can perform. Many have responded. Doesn't the strength of our position appeal to YOU? Send us a share of your business—give us all if we earn it.

E. C. Amling

The Largest, Best Equipped and Most Centrally Located Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St. CHICAGO.

L. D. PHONES CENTRAL 1999 AND 1977.

PRICE LIST.

BEAUTIES.			
30-36-inch stems,	per doz.,		$3.00
24 " "	"		2.00
20 " "	"		1 50
16 " "	"		1.00
12 " "	"		75
6 to 8-in. "	per 100	$4.00	5.00
			Per 100
Brides		$4 00	6.00
Maids		4.00	6 00
Meteors		4 00	6.00
Gates		4.00	6.00
Carnations		1.25	1.50
" large and fancies		2 00	3.00
Callas	per doz.,	1 00	1.25
Sweet Peas		1.00	1.50
Valley, select			4.00
Asparagus plumosus, per stg,		.50	.75
" Sprengeri			4.00
Ferns	per 1000, $2.50;		.25
Galax	" 1.25;		.15
Leucothoe sprays			1.00
Adiantum		1.00	1.50
Smilax	per doz.,	1.50	2.00

Prices subject to change without notice

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

SMILAX We have a steady demand for good Smilax and would like regular consignments.

The F. R. WILLIAMS CO.

WHOLESALE FLORISTS.

Telephone Connections. CLEVELAND, OHIO.

WEILAND-AND-RISCH

CHICAGO'S RELIABLE

Wholesale Growers and Shippers of

CUT FLOWERS,

59 Wabash Ave., Chicago.

SEND FOR WEEKLY PRICE LIST.

WHOLESALE FLORISTS

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florists

31-35 Randolph St., CHICAGO.

☞ Consignments solicited.....

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

Please mention the American Florist when writing.

Poehlmann Bros. Co.

Wholesale Growers of

and Dealers in **Cut Flowers**

All telegraph and telephone orders given prompt attention.

GREENHOUSES: Morton Grove, Ill.

35-37 Randolph Street, CHICAGO, ILL.

When writing to any of the advertisers on this page please mention the American Florist.

Wholesale Flower Markets

CHICAGO, May 2.

Roses, Beauty,	30 to 36-inch stems	3.00
" "	24 " "	2.00
" "	20 " "	1.50
" "	15 " "	1.00
" "	12 " "	.75
	6 to 8 " " per 100	4.00@ 5.00
" Bride, Bridesmaid		3.00@ 6.00
" Meteor		3.00@ 6.00
" Perle		3.00@ 6.00
" Golden Gate		3.00@ 6.00
Carnations		1.00@ 3.00
Violets		.50@ 1.00
Lily of the valley		3.00@ 4.00
Harrisii		8.00@12.00
Callas, per doz.	1.00@1.25	
Tulips		2.00@ 4.00
Daffodils		2.00@ 3.00
Adiantum		1.00@ 1.50
Common ferns	per 1,000 $2 50	.25
Galax leaves, per 1000	$1.00	.15
Smilax	per dozen 1.50@ 2.00	

H. N. BRUNS,

1409-1411 W. Madison St., CHICAGO.

LILY of the VALLEY

Only The Best. Cut and Pips.

Please mention the American Florist when writing.

CHOICE

LILY of the VALLEY

in large quantities, the finest that is grown, $4 and $5 per 100.

JOHN WOLF, SAVANNAH, GA.

Please mention the American Florist when writing

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Avenue, CHICAGO.

FRANK GARLAND,

Wholesale Grower of **Cut Flowers**

SPECIAL ATTENTION GIVEN TO HARDY CUT **FERNS**

55-57 WABASH AVENUE,

Telephone Central 3284. CHICAGO.

GEO. REINBERG,

Wholesale Grower of *Cut Flowers*

Choice American Beauties.

We will take care of your orders at reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.

Headquarters for American Beauty.

51 Wabash Ave., - CHICAGO, ILL.

JOHN MUNO,

Wholesale Grower and Shipper of **Cut Flowers**

Room 221, 51 Wabash Ave., CHICAGO.

TELEPHONE CENTRAL 3598. All telegraph and telephone orders given prompt attention.

A. L. Randall,

WHOLESALE FLORIST.

4 Washington Street, CHICAGO.

Send for weekly price list and special quotations on 1000 lots.

American Florists Ads

Always do business,
Week days and every day
Sundays and holidays,
All over the country,
At home and abroad.

SAMUEL S. PENNOCK,
Wholesale Florist,
1612-18 LUDLOW ST., PHILADELPHIA, PA.

Liberties.

GEO. A. SUTHERLAND,
34 Hawley St., BOSTON.
Telephone 1270 Main.
BEST BOSTON FLOWERS. All Supplies. An entire floor Devoted to Stock and Manufacturing. Distributing Agent for United States for the wonderful

"Koral" LETTER, unequalled for design work. Script, any color, 3½c a letter. Block letters, 1½c each. The most elaborate design work to order in a few minutes.

GENERAL AGENTS:
H. BAYERSDORFER & CO., Philadelphia.
REED & KELLER, New York City.

SPECIALTIES THIS WEEK:
Special American Beauty,
CARNATIONS,
Lily of the Valley, Violets.

CITY HALL CUT FLOWER MARKET
WELCH BROS., PROPS.
9 CHAPMAN PLACE,
15 PROVINCE STREET.
Boston, Mass.

The best market for Growers who can ship good Cut Flower stock.

J. K. ALLEN,
106 West 28th Street, Telephone 167 Madison Sq. NEW YORK CITY.
OPEN AT 5 A. M. DAILY.

N. F. McCARTHY & CO.
84 Hawley St., BOSTON,
ARE RECEIVING ELEGANT ROSES. ALL VARIETIES.
DON'T YOU WANTSOME?
Tel. 734 and 64 Main.

Geo. M. Moss,
WHOLESALE FLORIST,
32 South 17th Street, PHILADELPHIA, PA.
Long Distance 'Phone 1-41-26 D.
Consignments of Roses, Carnations, Violets solicited.

N. Y. CUT FLOWER EXCHANGE
Coogan Bldg, 6th Ave. and W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.

Wholesale Flower Markets

BOSTON, Apr. 30.

Roses, Beauty, extra	20.00@30.00
" " medium	6.00@15.00
" " culls	2.00@ 4.00
" Bride, Bridesmaid, Meteor.	1.00@ 4.00
" extra	5.00@10.00
Sweet Peas	1.00
Carnations	1.00@ 2.00
" fancy	2.50@ 3.00
Lily of the valley	2.00@ 3.00
Violets	.30@ .60
Lilies	6.00@ 8.00
Narcissus	.50@ 1.50
Tulips	.50@ 1.50
Callas	6.00@ 8.00
Adiantum	1.00
Asparagus	50.00
Smilax	12.00@16.00

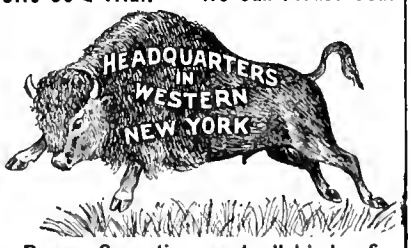
PHILADELPHIA, Apr. 30.

Roses, Tea	6.00@10.00
" " extra	10.00@15.00
" Beauty, extra	20.00@25.00
" " firsts	10.00@15.00
" Queen of Edgely, extra	40.00
" " " firsts	25.00
Carnations	2.00@ 3.00
Lily of the valley	4.00@ 5.00
Asparagus	25.00@50.00
Smilax	15.00@20.00

BUFFALO, May 1.

Roses, Beauty	7.00@35.00
" Bride, Bridesmaid, Meteor	6.00@12.50
Carnations	1.50@ 5.00
Violets	.50@ 1.00
Lily of the valley	3.00@ 4.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.50

Give Us a Trial. We Can Please You.



Roses, Carnations and all kinds of Seasonable Flowers in stock.
WM. F. KASTING, Wholesale Commission Florist,
481 Washington St., Buffalo, N. Y.
Dealer in Florists' Supplies and Wire Designs.
Open Day and Night.

George Saltford,
WHOLESALE
Commission Florist,
46 West 29th Street,
NEW YORK.
Fair dealing and prompt returns guaranteed. Correspondence solicited.

MARKETING for flowers is a pleasure if done at the Headquarters of the
NEW YORK CUT FLOWER CO.
Here is the choicest stock of the most eminent growers, fresh every morning and in full variety. Goods selected and shipped to any part of the country. Always room for growers looking for an outlet for good cut flower stock.
DAILY REPORTS. WEEKLY PAYMENTS.
SALESROOMS { 55 & 57 West 26th St., NEW YORK CITY.
TELEPHONES: 2239 Madison Sq. 2034 Madison Sq.
J. A. MILLANG, MANAGER.

EUGENE BERNHEIMER
Wholesale Florist,
Phone 14269 A, 1604 Ludlow St., **Philadelphia.**
CONSIGNMENTS OF ROSES SOLICITED.

AMERICAN FLORIST ADS ALWAYS DO BUSINESS
Week days and every day, Sundays and holidays,
ALL OVER THE COUNTRY AT HOME AND ABROAD.

BEAUTIES VALLEY

Leo. Niessen,
N. W. Cor. Filbert and 13th sts., Philadelphia.

Note the Smile of Satisfaction

When the consignor reads his returns the buyer opens a box of flowers From

JOHN I. RAYNOR, WHOLESALE COMMISSION FLORIST.

Telephone 1998 Madison Square — 49 W. 28th St., NEW YORK.

Walter F. Sheridan,

Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

YOUNG & NUGENT

WHOLESALE FLORISTS 42 West 28th Street, NEW YORK,

Are shipping the finest Roses, Carnations, Valley, Orchids, Novelties, in the New York Market. Price List to Applicants.

TELEPHONE 2065 MADISON SQUARE.

Telephone Nos. 2239 and 2034 Madison Square.

MOORE, HENTZ & NASH

Wholesale Commission Florists,

55 and 57 West 26th St., NEW YORK CITY.

Adjoining New York Cut Flower Co. salesroom. Finest Salesroom in the Trade. Inspection Invited. All business, selling or shipping, strictly commission.

WHOLESALE WILLIAM GHORMLEY, COMMISSION

RECEIVER AND SHIPPER OF FRESH CUT FLOWERS. DAILY STOCK OF ALL THE CHOICEST VARIETIES FROM BEST GROWERS WHO SHIP TO NEW YORK.

ORCHIDS, ROSES, CARNATIONS, VALLEY.

Largest receiver of VIOLETS in America

Telephone 2200 Madison Square, 57 WEST 28th STREET, NEW YORK CITY.

JOHN YOUNG

Special American Beauties, Surpassing Carnations, Violets, Lily of the Valley, Orchids, and all Seasonable Flowers.

51 West 28th St., NEW YORK.

Tel. 1905 Madison Sq.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR

Violets and Carnations

GROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER,

30 West 29th St., New York.

Telephone 551 Madison Square.

Frank Millang,

CUT FLOWERS,

WHOLESALE COMMISSION,

Coogan Building, 6th Ave. and 26th Street,

Phone 299 Madison Square. NEW YORK.

ESTABLISHED 1872.

JOHN J. PERKINS,

COMMISSION FLORIST,

Solicits Consignments or Shipping Orders. Satisfaction given in both.

Write for Terms. 115 West 30th St., New York.

POPULAR WITH THE TRADE.

Therefore a profitable place to send your Flowers.

M. A. HART'S,

48 West 30th St., New York City.

Telephone 325 Madison Square.

Choice Carnations. Selected Roses.

Traendly & Schenck

NEW YORK CITY,

38 W. 28th Street, Cut Flower Exchange.

New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

NEW YORK, Apr. 30.

Roses, Beauty, select	15.00@25.00
" " medium	5.00@10.00
" " culls	1.00@ 3.00
" Bride, Bridesmaid	3.00@ 8.00
" Jacq. and Brunner	3.00@ 8.00
" Liberty	3.00@10.00
" Meteor, Golden Gate	2.00@ 5.00
" All kinds, job lots	1.00@ 2.00
Carnations	1.00@ 3.00
Carnations, fancy	3.00@ 5.00
Violets	.10@ .50
Lily of the valley	2.00@ 3.00
Daffodils Tulips	.25@ 1.00
Hyacinths	1.00@ 2.00
Callas, Lilies	3.00@ 5.00
Sweet Peas	.50@ .75
Cattleyas	35.00@50.00
Mignonette	1.00@ 3.00
Smilax	12.00@15.00
Adiantum	.75@1.00
Asparagus	35.00@50.00
" Sprengeri, per doz. bun.	2.00@ 3.00
Lilac, per bunch	.50@ .75

CHAS. MILLANG,

50 W. 29th St.,

NEW YORK.

FORD BROS.

Receivers and Shippers of

FRESH FLOWERS.

Best Violets in New York market.

111 WEST 30TH ST., NEW YORK.

Telephone 157 Madison Square.

Julius Lang

53 West 30th Street, NEW YORK.

REPRESENTS THE BEST GROWERS OF

ROSES, CARNATIONS, VALLEY.

TELEPHONE 280 MADISON SQUARE.

ALEX. J. GUTTMAN,

Wholesale Commission Florist,

A full supply daily of the choicest New York and New Jersey

FLOWERS.

52 W. 29th Street, NEW YORK CITY.

Telephone 1738 Madison Square.

A. H. LANGJAHR,

Wholesale Commission Florist,

BEST FLOWERS SHIPPED AT LOWEST NEW YORK PRICES.

19 Bearum Place, Brooklyn, N. Y.

TELEPHONE 939 MAIN.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE.

Now in Season:

FREESIAS, DAFFODILS, TULIPS

LILAC, SWEET PEAS and ACACIA.

EDW. C. HORAN,

47 WEST 28TH ST.,

Tel. 421 Madison Square, ...NEW YORK.

CUT FLOWERS AT WHOLESALE.

All Roses, Violets

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

J. E. NORTHRUP, Pres.; S. F. LEONARD, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

Twentieth annual convention, Minneapolis, Minn., June 24-26, 1902.

A. H. GOODWIN, of the Goodwin, Harris Company, Chicago, is making a California trip.

THE Sioux City Seed and Nursery Company, of Sioux City, Ia., has contracted for the raising of 1,000 acres of beans in the vicinity of Cass City, Mich.

THE Dallas, Tex., *News* claims that that city handled last year 25,000 pounds of turnip seed, 100 cars sorghum seed, 100 cars of seed oats, besides a general line of field seeds, potatoes, onion sets, etc.

PRIVATE advices from Holland, dated April 14, contain the following: "The outlook is for a medium crop of tulips, frosts and cold having done them harm. Hyacinths and narcissi are in fair condition."

WE understand that the Brown Bag-Filling Machine Company, Fitchburg, Mass., will do the packing of free seeds under the new government contract and that Mr. Phillips, of Toledo, Ohio, will superintend the work.

Theodosia B. Shepherd Company.

The Theodosia B. Shepherd Company has filed articles of incorporation with the county clerk, capital stock $30,000, all of which has been subscribed. It is incorporated to grow, buy and sell all kinds of plants, seeds, bulbs, trees and nursery stock, etc. The directors for the ensuing year are Theodosia B. Shepherd, 160 shares; W. E. Shepherd, 67 shares; Myrtle Shepherd, Lloyd Shepherd, 74 shares; Edith Shepherd Kelsey, 1 share; Margaret Shepherd Oaks, 1 share.

The Hyacinth Situation.

In its issue of April 1, the *Bulletin*, a French horticultural publication, has the following regarding the hyacinth situation, more especially that of the south of France:

The ruling prices in the south of France for white hyacinths are very high, too high in fact. The florists who force them will, to our notion, not find any profit in them. It is to be regretted that the prices are neither reasonable nor justified. In acting thus the growers will work against their interests. We know from good authority that the large buyers of bulbs are looking for a plant which will supplant the Roman hyacinth and secure for them a reasonable profit. In Holland, on the contrary, the hyacinths are very cheap this year. The prices are at least one-third lower than those of last year. White tulips are perhaps a little higher in price.

Japanese Longiflorum Lilies.

A long-time resident of Japan writes, March 31, as follows, in a private letter answering an inquiry from a gentleman much interested in the growing of lilies under glass:

"I am in receipt of your favor of the 6th ult. and note your remarks as to the general dissatisfaction with the growing stock of Lilium longiflorum now under glass in your own country. I have anticipated this complaint for the last two or three years and have expressed my opinion to my constituents on several occasions. The remedy is not far to seek.

"My experience in bulb growing and shipping for the last forty years leads me to the conclusion that they are lifted much too early. It has resulted from the suicidal rivalry existing between two firms, one a Japanese firm, and the other a German one. Previous to the last three or four years longiflorums were not lifted before the middle of August, which is none too soon. From that date until the end of October is the proper time for lifting, but when these firms were cutting one another for the American business each firm was anxious to get its first shipment off before the other and so it has been going on until last year, when the bulbs were dug up in the middle of July, packed immediately and shipped.

"Now, for your information I would tell you that at this time of the year the bulbs are in a growing condition, full of sap, and the stems green and it goes without saying that having to cut off these green stems and hurriedly packing the bulbs before ever they have been allowed to develop the embryo buds for the next season's growth, naturally a failure takes place in the following season's growth, whereas, if a bulb is allowed to shed its stem and develop buds in embryo, or properly speaking, when the bulb is ripe, produces the best result after its next planting. They get these goods early in your market but I will go so far as to say that if you received longiflorum in September or October you would be able to get them forward by Easter and they would produce fine strong plants with abundance of bloom."

DOYLESTOWN, PA.—John Andre is adding two houses to his establishment on the lower state road.

Special OFFER

Pæonias, Cycas and Asparagus Plu. Seed

Asparagus Plumosus Nanus, per 100 seeds, 85c; per 1000 seeds, $7.50.
Asparagus Sprengeri, 100 seeds, 25c; 1000 seeds, $1.50; 5000 seeds, $6.50.
Cycas Revoluta, (Sago Palm), in splendid condition ranging in weight from one lb. upwards. Per 10 lbs., 80c; 25 lbs., $1.75; 100 lbs., $7.00. (Special prices in case lots.)
Paeonias, Double Sweet Scented in splendid mixure with two to five strong eyes at the following **Low Prices for Quick Sales:** Per doz., 75c per 100, $5.00.
We are now Booking Orders for FRENCH AND DUTCH BULBS.

JOHNSON & STOKES, 217-219 Market St., Philadelphia, Pa.

ESTABLISHED 1802

THORBURN'S SEEDS

YELLOW OR BLACK LOCUST.

We have just received a large shipment of extra fine fresh seed and shall be pleased to quote special low prices on application. Inquirers should state quantity required.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

Cycas Stems

NEW STOCK
ALL SIZES
Prices:

Vaughan's Seed Store, CHICAGO. New York.

DAHLIAS AND SECOND SIZE **GLADIOLUS**

Dahlias, show and Decorative, roots, $25 and $50 per 1000. No. 2 Gladiolus, mixture of pink and about 35 to 40 per cent white, at $3.00 per 1000.
CASH WITH ORDER.

ROWEHL & GRANZ, Hicksville, L. I., N. Y.

Florists' Calendar FOR MAY.

SEEDS TO SOW NOW.

	100	1000
ASPARAGUS PLUMOSUS NANUS (true),	$ .85	$7.50
" **SPRENGERI**	.25	2.00
PRIMULA SINENSIS FIMBRIATA, in pure white, rose, crimson, blue	.25	.75
PRIMULA, mixed, finest strains	.20	.50

CINERARIA HYBRIDA max. grandi., pkt., 500 seeds, 25c; 5000 seeds, $1.00.
CINERARIA HYBRIDA nana, dwarf, pkt. 500 seeds, 25c 5000 seeds, $1.00.
CALCEOLARIA HYBRIDA grandi., or dwarf grandi., pkt., 25c.
Our Specialty, BERGER'S Never Fail Pansy Mixture, made up by ourselves from choicest prize sorts containing all colors and sorts. **TRY IT,** you will come again. 1000 seeds, 25c; 5000 seeds, $1.00. We also offer all best named sorts, Snow Ring, Gold Else, Faust, Queen Victoria, Meteor, Lord Beaconsfield and many others, separate, at 1000 seeds, 25c; 5000 seeds, $1.00. **Bugnot, Odier, Cassier, Trimardeau,** same price. **Cassier's New Giants, unrivalled,** 500 seeds, 20c; 1000 seeds, 30c.
SWEET PEA SEED, in florists' best sorts, your choice as to name, lb. 25c; 5 lbs. $1.00. Mixed Eckford's, lb. 20c.
Just in, PANDANUS UTILIS Seed, 100 $1.00; 1000 $8.50.
Fern Spores, choicest mixed, pkt. 25c.

CLEARANCE OF WINTER STOCK
as long as it lasts.

LILY BULBS, Rubrum or Album, 6 to 8-in., $2.50 per 100; 8 to 9-in., $3.50 per 100; 9 to 11-in., $5 per 100; 11 to 12-in., $3 per 100.

	100	1000
Gladioli—American Hybrid, 60 per cent white and light	$1.00	$8.00
May, well-known florists' favorite	1.50	14.00
Begonias, sgl., 1 to 2-in., separate colors	1.75	15.00
" dbl., 1 to 2-in., mixed	3.00	
Monbretias, finest grandiflora sorts	.60	5.00

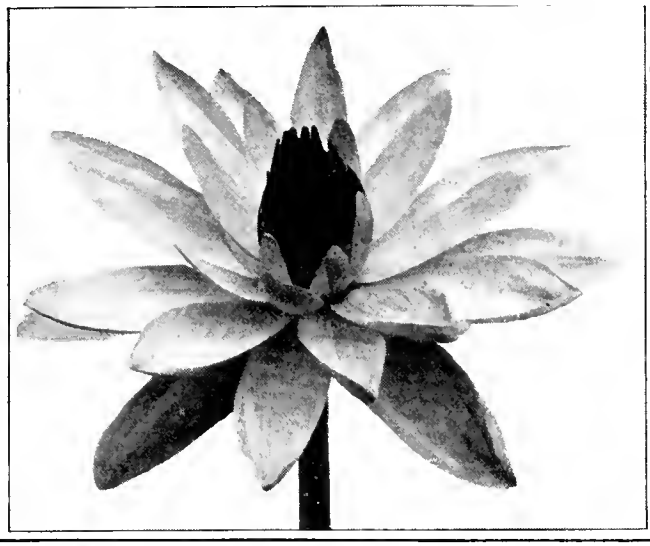
Left a few hundred choice fancy leaved **Caladiums** per doz. 75c; 5.00
CYCAS REVOLUTA, ½ to 20 lbs.; 100 lbs., $7.00; 500 lbs., $30.00.
Iris Kæmpferi, 100 in finest sorts, $7.00; dozen, $1.00.
Tuberose Bulbs, 3 to 4-inch; 1000, $6.00.

NEW DAHLIA GERMANIA GIANT.

Finest silvery pink. Large flowers on long stiff stems; sold at 25 cents a dozen through season in New York Market. Certificate of merit at Madison Square flower show 1901. Strong field-grown clumps, each 25c; dozen, $2.50; 100, $15.00.

☞ Above stock is **cheap** only to **CLEAR** out. Bulbs are of the finest **grade** and **quality.**

H. H. BERGER & CO.,
Established 1878. 47 Barclay St., NEW YORK CITY
Please mention the American Florist when writing.



Now is the Time to Plant

Hardy Water Lilies

in order to secure best results this season. We have the largest and most complete collection of Hardy Nymphæas in the world. It embraces American and French Hybrids, native and foreign species. For prices see our Spring edition of Dreer's Wholesale Price List, which is sent to the Trade only. We are pleased to answer all correspondence regarding making of ponds, best varieties, etc.

HENRY A. DREER, 714 CHESTNUT STREET, **Philadelphia, Pa.**

TAKE NOTICE.

An immense stock and full line of the choicest bedding plants now ready, and quote you the following low prices for cash, out of pots:

Ageratum, blue, $7.00 per 100.
Begonia Vernon, red, and **Erlordi,** pink, just beautiful, $8.00 per 100.
Begonias, best mixed, Santo Sonia, Pres. Carnot and others, $1.00 per dozen.
Calendula, pure yellow, $6.00 per 100.
Cobæa Scandens, 4-in. pots, staked up, 2 ft. high, $8.00 per 100.
Fuchsia, mixed varieties, 4-in. pots, $8.00 per 100; 5-in., $1.50 per doz.
Geraniums, have 10,000 of them, such as La Pilot, double red; Mme. Thibaut, double pink; La Favorite, double white, and other varieties in 4-in. pots, $7.00 per 100.
Heliotrope, 4-in., $7.00 per 100.
Honeysuckle, sweet scented, 5 to 6-in pots, 20c to 25c each.
Nasturtiums, Empress of India and other choice colors, $5.00 to $7.00 per 100.
Ivy Geraniums, mixed colors, 4-in. pots, $7 per 100.
Periwinkle, large plants, 4-in. pots, $1.00 per doz.
Scarlet Sage, best varieties, very fine, strong plants, $7.00 to $8.00 per 100.
Daisies, white and yellow, from 7-inch pots, full of flowers, 2½ ft. high, $2.00 per doz.
Dracæna Indivisa, 7-inch pots, about 3 ft. high, imported, 75c to $1.00 each.

I have the following small plants to offer, out of 2½ and 3-inch pots:

Alyssum, Little Gem. **Ivy,** Kenilworth.
Alternanthera, red & yel. **Lobelia,** trailing.
Cuphea. **Phlox** Drummondi.
Coleus, mixed colors. **Pelunia,** single, dwarf variegated and California, giant.
Tradescantia. **Torenia Fournieri.**
Verbenas have 10,000 of them, mixed colors.
Asters, 2 and 2½-in. pots, $2.00 per 100; choice colors, mixed or separate.

25 plants sold at 100 rate.

GODFREY ASCHMANN,
(Rising Sun,) 1012 Ontario St., PHILADELPHIA, PA.

TO MAKE ROOM I OFFER

150 Kentia Belmoreana, 2¼-in..... $5.00 per 100
400 " " 3-in..... 10.00 per 100
200 " " 4-in., 2d size 15.00 per 100
100 Latania Borbonica, 3-in..... 5.00 per 100
100 Pandanus Utilis, 2¼-in..... 4.00 per 100
75 " " 3-in..... 8.00 per 100
400 Selaginella Emmeliana, 2¼-in.....3.00 per 100

All healthy stock. Cash with order.

JOSEPH E. BONSALL, SALEM, OHIO.

S. S. SKIDELSKY,

708 N. 16th Street,
PHILADELPHIA, PA.

CORRESPONDENCE SOLICITED.

CROWDED FOR ROOM?

You want to buy Roses now, but are crowded for room. Why not place your order now with **Geo. A. Kuhl** and have them grown into 3-in. for May or June delivery. We believe in shifting Young Roses often. All stock offered in 2½-in. has been shifted from 2-in. and is equal to most stock advertised as 3-in., and when we send it out is well established. Our varieties, Meteors, Brides, Maids, Perles, La France, Kaiserin, Wootton, Belle Siebrecht, Pres. Carnot, Golden Gate, Am. Beauties, and Liberty. Write us at **Pekin, Ill.**

Imported Bulbs for Florists' Forcing

Send Us Your List for Pricing.

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 Spiræa** are unexcelled.

Bulbs secured from us will be subject to careful inspection and approval on arrival, and if in any way unsatisfactory, will be made good at once.

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 shipments and large importations supply half our profits.

Write for Prices before closing any forcing stock orders.

VAUGHAN'S SEED STORE,
14 Barclay St., New York.
84-86 Randolph St., Chicago.

Cyclamen Giganteum

Extra strong July Seedlings in separate colors:
2½-inch pots, $4.00 per 100
3-inch pots, 8.00 per 100
4-inch pots, 12.00 per 100

LEHNIG & WINNEFELD,
HACKENSACK, N. J.

SPECIALTIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery,
CHRYSANTHEMUMS,
SMILAX, VIOLETS.

In Best Varieties

Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.

CASSIA FALCATA

Not a new plant, but a good rare old one. Blooming equally profuse, it is a good companion plant for Salvia Splendens; color lemon yellow; extra fine for Park or Garden decoration. Can be kept over winter in cool cellar.

$1.50 per doz. $10 per 100.

J. T. TEMPLE, DAVENPORT, IA.

Please mention the American Florist when writing

CUT FLOWER

Dahlias, all field roots, two new kinds: **Emperor,** the darkest cut Dahlia in trade, and **Giant,** the finest Cactus up to date. The flowers are 7 to 8 inches in diameter, color black, on very strong stems, each kind $1.50 per doz. 100 fine cut Dahlias for $4.00, all named and the best in the trade. **Cannas,** Mme. Crozy, Black Prince, Burbank, Henderson, $2.00 per 100. **Hollyhocks,** Allegheny strain, $2.50 per 100. Cash please. **Shellroad Greenhouse Co., Grange P. O., Baltimore, Md.**

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

R. C. BERCKMANS, Pres.; R. J. COE, Vice-Pres.
GEORGE C. SEAGER, Rochester, N. Y., Sec'y.
Twenty-seventh annual convention, Milwaukee, Wis., June 11-13, 1902.

IT is stated that Northern Spy apple trees are very scarce.

JESSE E. WRIGHT, foreman for the J. Wragg & Sons Company, Waukee, Ia., is dead.

AT Fredonia, N. Y., it is reported that an aggregate of 300 acres of grape cuttings are being put in by five nursery firms.

THE property known as High Rock in Lynn, Mass., has been purchased by the city and will be devoted to park purposes.

A NOTABLE addition to the park reservations of Troy, N. Y., has been made in the securing of Warren Hill, the price paid therefor being $110,000. The property includes seventy acres, upon which are two elegant buildings. The location is elevated and affords a magnificent outlook.

GEORGE C. SEAGER, secretary of the American Association of Nurserymen, is out with his circular announcing a fare and one-third rate to Milwaukee for the twenty-sixth annual convention, to be held June 11 to 13, at the Plankinton House. Among the speakers announced are L. H. Bailey, N. H. Albaugh and A. Willis.

P. J. BERCKMANS says that all stock intended for long journeys must be thoroughly defoliated and hardened. Trees should be taken up without mutilating the roots and no branches or roots cut. Puddle the entire tree in stiff clay and let it dry and pack in tight cases lined with building paper. Use dry moss and charcoal and pack the cases very tight. Mr. Berckmans says that packed in this manner they have had stock in transit over four months and ninety per cent of it grew after planting.

Columbus, O.

CUT FLOWER BUSINESS ACTIVE AND SPRING BUSINESS OPENING BRISKLY.—VARIOUS NOTES OF LOCAL CONDITIONS.

Business is still very brisk and all the firms report being very busy filling orders and preparing for the spring bedding trade. Quite a few are still holding their best roses at $1 50 per dozen and carnations at 75 cents per dozen. Some postals are being received from Cleveland, Chicago and other points offering strong inducements to encourage bargain sales on certain days, claiming the overproduction in those cities will enable them to quote prices to suit. The demand still continues for Crimson Ramblers which seem to be in good supply. Stock in general is holding out well in quality and in fair supply, with the exception of smilax, which is short and scarce. Among carnations Marquis is the leader just now, for the cut from this variety is fine everywhere. Outdoor planting of young carnations is about done and we are having rain enough to save them. Palms for store openings have been in great demand but by most of the growers this is considered a "thank you" job, since the price paid does not justify one when the injury to the stock is taken into consideration.

Geo. L. Miller, of Newark, was in Columbus this week and reports a larger shipping business than in any previous year. CARL.

Indianapolis.

SEVERE STORM DAMAGES GREENHOUSES.—THE PRINCIPAL LOSERS.—TRADE CONDITIONS FAVORABLE.—VARIOUS NOTES.

A heavy windstorm recently swept over this vicinity, doing much damage. At Mr. Edward's place two greenhouses, one 20x100, the other 12x100, were completely wrecked. E. A. Nelson had several ventilators blown off and the gable of one of his new houses crushed in. Other florists escaped with slight damages.

Since the good rains everything outside has improved wonderfully. Huntington & Page, one of the largest growers of onions, reports prospects very bright.

Ralph Richardson, a young florist well known in Indiana, took strychnine a few days since.

The Smith & Young Company is breaking ground for a new rose house.

Herbert Bertermann was married to Miss Pearl Holt April 23.

Visitors: John H. Sievers, San Francisco; Myer Heller, New Castle; C. A. Rieman, Connersville. H. J.

WE ARE HEADQUARTERS FOR
Cut Flowers, Seeds, Bulbs and All Florists' Supplies.
Get our quotations on your wants before ordering elsewhere.
McKellar & Winterson Co.
45-47-49 WABASH AVE., CHICAGO.

METEOR 7000 VERY FINE PLANTS
2 1-2-inch Pots
$2.50 PER 100.
$20.00 PER 1000.
South Park Floral Co., New Castle, Ind.

Import Freight Agents Delaware, Lackawanna & Western Railroad Co. at New York, N. Y.
ENERGY. ECONOMY. DISPATCH.
F. B. VANDEGRIFT & CO.,
Publishers of Vandegrift's United States Tariff.
Customs Brokers and Forwarders. Foreign Express, Export and Insurance Brokers.
NEW YORK Office, 66 Beaver Street Telephone, 928 Broad | A. B. C. Code Used Cable Address, Vanorift. | CHICAGO Office, 315 Dearborn St. Phone Harrison 840.

Park Architects and Dealers
will find whatever they want in the
Holland Nurseries, DeBilt near Utrecht
HOLLAND.
SPECIALTIES ARE: Conifers, Evergreens, Hardy Shrubs, Lilacs, Ornamental Trees, Fruit Trees in different forms, Azaleas, Rhododendron Ponticum and Hybridum.
Please send list of your wants and write for general catalogue. We will make you special offers. Write to
GROENEWEGEN & ZOON,
De Bilt, near Utrecht, Holland.

CLEMATIS Large Flowering, leading kinds, strong 2-year plants from 4-inch pots in 12 sorts. $2.50 per doz.; $20.00 per 100. 25 at 100 rate.
Choice Hardy Monthly ROSES in twelve (12) kinds, $1.50 per doz., $10.00 per 100.
ADIANTUM, (Maiden Hair Ferns), strong clumps, $5.00 per 100; 75c per doz.
F. A. Baller, Bloomington, Ill.

RHODODEDRONS....
500 Clumps of Rhododendron Maximum, 6 to 8 ft. high, at $25 a doz. Prices of smaller clumps and Kalmias on application.....
L. F. KINNEY, Kingston, R. I.

BEDDING Plants.

	Per 100	Per 1000
Roses, Brides and Maids, 2-in	$2.00	$18.00
Geraniums, best var., 3 and 4-in	$3.50 to $7	
" Mme. Salleroi, 2-in	2.00	
Dracæna Indivisa, 5-in	10.00	
Heliotrope, 2-in	2.00	18.00
Petunia, large dbl. flowers, 2 in	2 00	18.00
Lobelia, C. P. C. and White Gem, 2-in.	1.50	
Alyssum, 2-in	1.50	
Salvia Bonfire, 2-in	2.00	18.00
Smilax, from flats, 25c; by mail	.30	
Asters, best strains, strong transplanted	.50	

CASH OR C. O. D.
McALLISTER & CO., Batavia, Ill.

B. W. DIRKEN,
Oudenbosch, Holland.
ORNAMENTAL AND FOREST TREES A SPECIALTY.
Conifers, Evergreens, Hollies, Etc.
Prices on Application.

GERANIUM DRYDEN
The finest bedder; silver medal at Buffalo last year. $6.00 per 100, 2½-inch pots; $3.00 per 100, rooted cuttings. Cash please.
Henry Eichholz, Waynesboro, Pa.

American Florist Advts.
Reach all the Trade.

DREER'S

Hardy Perennial Plants.

We are carrying an Immense Stock of these popular plants.

Varieties marked with a ★ are suitable to cut.

	Doz.	100
Achillea Filipendulina, 3 in. pots	$.75	$6.00
Achillea Millefolium Roseum, 3-in. pots	.60	4.00
*Achillea The Pearl, 3 in. pots	.60	4.00
Achillea Tomentosa, 3 in. pots	1.00	8.00
Aconitum Barbatum, strong plants	1.25	10.00
Aconitum Fisberi, strong plants	1.50	12.00
Aconitum Napellus, strong plants	1.25	10.00
*Anemone Japonica Alba, 2¼-in. pots	.75	5.00
*Anemone Japonica Rubra, 2¼-in. pots	.75	5.00
*Anemone Lady Ardilaun, 2¼-in. pots	.75	5.00
*Anemone Whirlwind, 2¼-in. pots	.75	5.00
*Anemone Queen Charlotte, 2¼-in. pots	.75	6.00
Anemone Pennsylvanica, 2¼-in. pots	.75	6.00
Anemone Sylvestris, 3-in. pots	.75	6.00
Ajuga Reptans Rubra, 3-inch pots	.75	6.00
Ajuga Genevensis, 3-in. pots	.75	6.00
Alstromeria Chiliensis, 3-in. pots	1.00	8.00
Amsonia Tabernæmontana, str'g plants	.75	6.00
Anchusa Italica, strong plants	.75	6.00
*Anthemis Tinctoria, 3-in. pots	.60	4.00
*Anthemis Tinctoria, Kelwayi, 3-in. pots	.60	4.00
*Anthemis Tinctoria, Pallida, 3-in. pots	.60	4.00
*Asters, 12 choice hardy vars., 3 in. pots	1.00	8.00
*Aster Grandiflorus, 2¼-in. pots	2.00	15.00
Anthericum Liliastrum, strong plants	.75	5.00
Anthericum Liliago, strong plants	.75	5.00
Artemisia Abrotanum, strong plants	.75	6.00
Artemisia Purshiana, strong plants	.75	6.00
Artemisia Stelleriana, strong plants	.75	6.00
*Asclepias Tuberosa, 2-year-old roots	.75	6.00
Asphodelus Luteus, strong divisions	.75	6.00
Bocconia Cordata, strong divisions	.75	6.00
*Boltonia Asteroides, strong divisions	.75	6.00
*Boltonia Latisquama, strong divisions	.75	6.00
Calimeris Iocisa, strong divisions	.75	6.00
Caltha Palustris, strong divisions	.75	6.00
Caltha Palustris fl. pl., strong divisions	.75	6.00
*Caryopteris Mastacanthus, 3-in. pots	.75	6.00
Cassia Marylandica, strong 1-year-old	.75	6.00
Campanula Alliariæfolia, 3-in. pots	.75	6.00
Campanula Carpatica, blue and white, 3-in. pots	1.25	10.00
Campanula Celtidifolia, 3-in. pots	1.00	8.00
Campanula Grossekii, strong divisions	.75	6.00
Campanula Rotundifolia, 3 in. pots	.75	6.00
Campanula Trachelium, 3-in. pots	1.00	8.00
Centaurea Canariensis, 3-in. pots	1.00	8.00
Centaurea Hirta Nigra Var., 3-in. pots	.75	6.00
Centaurea Glastifolia, 3-in. pots	.75	6.00
Centaurea Montana Rubra, 3-in. pots	.75	6.00
Centaurea Montana Lady Hastings 3-in. pots	1.00	8.00
*Chrysanthemums, Hardy Pompon, 2¼-in. pots	.50	3.00
*Chrysanthemum Maximum Filiformis, 3-in. pots	.75	6.00
*Chrysanthemum Maximum Triumph, 3-in. pots	.75	6.00
Cimicifuga Racemosa, strong plants	1.00	8.00
Chrysogonum Virginianum, str'g plants	.75	6.00
Clematis Davidiana, 1-year clumps	.75	6.00
*Clematis Recta, 2-year-old plants	1.50	12.00
*Coreopsis Lanceolata Grandiflora, strong clumps	.75	6.00
Coreopsis Lanceolata Grandiflora, strong 3-in. pots	.60	4.00
Dictamnus Fraxinella, strong plants	1.00	8.00
Dictamnus Fraxinella Alba, str'g plants	1.25	10.00
Dielytra Spectabilis, strong clumps	.75	6.00
Digitalis Ambigua, strong plants	.75	6.00
Digitalis Gloxiniæflora, strong plants	.75	6.00
*Doronicum Caucasicum, 3-in. pots	1.25	10.00
*Doronicum Excelsum, 3-in. pots	1.25	10.00
Dracocephalum Ruyschianum, strong divisions	1.00	8.00
Echinops Ruthenicus, 4-in. pots	.75	6.00
Epimedium Lilacea, strong plants	2.00	15.00
Epimedium Macranthum, strong plants	2.00	15.00
Epimedium Niveum, strong plants	2.00	15.00
Epimedium Sulphureum, strong plants	$2.00	$15.00
Erigeron Glaucus, strong divisions	1.00	8.00
Erigeron Speciosus, strong divisions	.75	6.00
Eryngium Amethystinum, strong plants	2.00	15.00
Eryngium Planum, strong plants	1.00	8.00
*Euphorbia Corollata, strong roots	.60	4.00
*Feverfew Little Gem, 2¼ in. pots	.60	4.00
Funkia Cœrulea	.60	4.00
Funkia Subcordata Alba	1.00	8.00
Funkia Undulata Media Picta	1.25	10.00
Funkia Thomas Hogg	1.00	8.00
*Gaillardia Grandiflora, 3-in. pots	.75	6.00
Gaillardia Grandiflora, 4-in. pots	1.00	8.00
Geranium Sanguineum, strong divisions	1.00	8.00
Geranium Sanguineum Album, strong divisions	1.00	8.00
Geum Atrosanguineum, fl. pl., 3-in. pots	.75	6.00
Geum Coccineum, 3-in. pots	.75	6.00
Geum Coccineum, fl. pl., 3-in. pots	.75	6.00
Geum Heldreichi, 3-in. pots	.75	6.00
*Gypsophila Paniculata, strong 1-year	.75	6.00
Gypsophila Paniculata Compacta, strong one-year	.75	6.00
*Helenium Autumnale Superba, strong divisions	1.00	8.00
Helenium Grandicephalum Striatum 3-in. pots	.75	6.00
*Helenium Hoopesi, strong divisions	1.00	8.00
*Helenium Pumilum, 3-in. pots	1.00	8.00
*Helianthus Multiflorus, fl. pl., 2¼-in	.75	6.00
*Helianthus Multiflorus Maximus, 2¼-in. pots	.75	6.00
*Helianthus Miss Mellish, strong divisions	.75	6.00
*Helianthus Mollis, strong divisions	.75	6.00
*Helianthus Orgyalis, strong divisions	.75	6.00
*Helianthus Rigidus, strong divisions	.75	6.00
*Helianthus Tomentosum, strong divisions	1.25	10.00
*Heliopsis Pitcherianus, strong divisions	.75	6.00
*Heliopsis Scaber Major strong divisions	.75	6.00
Hemerocallis Dumortierii, strong plants	.75	6.00
Hemerocallis Fulva, strong plants	.60	4.00
Hemerocallis Flava, strong plants	.60	4.00
Hemerocallis Kwansoflora plena, strong plants	.60	4.00
Hemerocallis Middendorfii, strong plants	1.25	10.00
Hemerocallis Thunbergii, strong plants	.75	6.00
Hibiscus Militaris, strong 1-year-old	.75	6.00
Hibiscus Moscheutos, strong 1-year-old	.75	5.00
Hibiscus Moscheutos Roseus, strong one-year-old	.75	5.00
Hibiscus Moscheutos Crimson Eye, strong one-year old	.75	5.00
Heuchera Sanguinea, 3-in. pots	1.00	8.00
*Iris Kæmpferi, 25 choice named vars.	1.50	10.00
Iris Kæmpferi, choicest mixed vars.	1.00	8.00
Iris Germanica, 12 choice named vars.	.75	6.00
Iris Germanica, choice mixed varieties	.50	4.00
*Iberis Sempervirens, strong divisions	.75	6.00
Inula Brittanica, 3-inch pots	.75	6.00
Inula Ensifolia, 3-in. pots	1.00	8.00
Liatris Graminifolia, strong plants	1.00	8.00
Liatris Scariosa, strong plants	.75	6.00
Liatris Spicata, strong plants	.75	6.00
Linum Perenne, one-year-old plants	.75	6.00
*Lobelia Queen Victoria, 3-in. pots	1.00	8.00
Lychnis Chalcedonica fl. pl., 3-in. pots	2.00	15.00
*Lychnis Vespertina Alba, strong clumps	1.25	10.00
*Lychnis Viscaria Splendens, 2¼-in.	.75	6.00
*Lysimachia Clethroides, strong plants	.75	6.00
Lythrum Roseum Superbum, strong plants	.75	6.00
Monarda Didyma, 3-in. pots	.75	6.00
Monarda Didyma Purpurea, 3-in. pots	.75	6.00
Monarda Didyma Rosea, 3-in. pots	.75	6.00
Monarda Didyma Splendens, 3-in. pots	.75	6.00
Monarda Fistulosa Alba, 3-in. pots	.75	6.00
*Myosotis Palustris Semperflorens, 3-in. pots	$.60	$4.00
*Myosotis Robustus Grandiflorus, clumps	.60	4.00
Œnothera Pilgrimi, 3-in. pots	.75	6.00
Pardanthus Sinensis, strong divisions	.75	6.00
Papaver Orientale, strong 3-in. pots	.75	6.00
*Pæonias, Double Herbaceous, 10 choice varieties	1.50	12.00
*Pæonias, Single Herbaceous, 12 choice varieties	2.25	18.00
*Pentstemon Barbatus Torreyii, strong clumps	1.00	8.00
Pentstemon Cœrulea, strong divisions	1.00	8.00
Pentstemon Digitalis, 3-in. pots	.75	6.00
Pentstemon Diffusus, strong divisions	1.00	8.00
*Pentstemon Ovatus, strong divisions	.75	6.00
*Perennial Phloxes, 50 choice varieties, 3-in. pots	.75	6.00
*Hardy Pinks, 5 choice vars., 4-in. pots	.75	6.00
*Platycodon Grandiflorum, strong roots	.75	6.00
*Physostegia Virginica, 3-in. pots	.75	6.00
*Physostegia Virginica Alba, 3-in. pots	.75	6.00
Plumbago Larpentæ, strong divisions	1.25	10.00
Plumbago Larpentæ, 2¼-in. pots	.60	4.00
Polemonium Cœruleum, 3-inch pots	1.00	8.00
Polemonium Cœruleum Alba, 3-in. pots	1.00	8.00
Polemonium Richardsoni, 3-in. pots	1.50	
Potentilla Formosa, strong divisions	.75	6.00
Potentilla Hopwoodiana, strong divisions	.75	6.00
Pontentilla Phœnix, strong divisions	.75	6.00
*Pyretorum Hybridum Mixed Seedlings, clumps	1.00	8.00
*Pyrethrum Uliginosum, strong divisions	.75	6.00
*Primula Veris Superba, strong plants	1.25	10.00
Ranunculus Acris fl. pl., strong plants	.75	6.00
*Rudbeckia Golden Glow, 4-in. pots	.75	6.00
*Rudbeckia Newmani, strong divisions	.75	6.00
*Rudbeckia Purpurea, 3-in. pots	1.00	8.00
*Rudbeckia Subtomentosa, strong divisions	.75	5.00
*Rudbeckia Triloba, 3-in. pots	.75	6.00
Salvia Azurea Grandiflora, strong plants	1.00	8.00
Santolina Incana, 2¼-in. pots	.50	4.00
Santolina Chamæcyparissus, 2¼-in. pots	.50	4.00
*Scabiosa Caucasica, strong plants	1.00	8.00
*Scabiosa Caucasica Alba, strong plants	1.25	10.00
Saxifraga Crassifolia, strong plants	1.50	12.00
*Sedum Spectabilis, 2¼-in. pots	.75	6.00
*Statice Incana, strong plants	.75	6.00
*Statice Gmelini, strong plants	1.25	10.00
*Statice Latifolia, strong plants	1.00	8.00
*Statice Tartarica, strong plants	.75	6.00
Teucrium Canadense, strong plants	1.00	8.00
*Thalictrum Aquilegifolium, strong plants	1.25	10.00
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Thalictrum Adiantifolia, strong plants	1.50	12.00
Thalictrum Anemonoides, strong plants	1.25	10.00
Thalictrum Glaucum, strong plants	1.25	10.00
Thermopsis Caroliniana, 1-year-old	1.00	8.00
Tradescantia Virginica, strong	.60	4.00
Tradescantia Virginica Alba, strong	.60	4.00
Tricyrtis Hirta, 3-in. pots	1.00	8.00
*Trollius Europæus, divisions	.75	6.00
*Tritoma Pfitzeri, strong divisions	1.00	8.00
Veronica Candida, strong divisions	.75	6.00
Veronica Longifolia Subsessilis, 2¼-in. pots	.75	6.00
Veronica Incana, strong divisions	1.00	8.00
Veronica Rosea, 3-in. pots	1.00	8.00
Veronica Spicata, strong divisions	1.00	8.00
Veronica Spicata Variegata, strong divisions	1.00	8.00
Vinca Minor, strong clumps	.75	6.00

For a full list of HARDY PERENNIALS with illustrations and descriptions, see our current catalogues.

HENRY A. DREER, 714 Chestnut St., PHILADELPHIA, PA.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 79 Milk St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Flatbush.

Following is the record of the bowling at Flatbush, Brooklyn, N. Y., on Thursday evening, May 1:

Player	1st	2d	3d	4th
Riley	130	133	135	202
E. Dailledouze	168	126	119	
P. Dailledouze	99	118	115	
H. Dailledouze	128	119	131	
Raynor	152	128	146	156
Siebrecht	115	143	119	115
Wocker	114	143	129	134
Stewart	164	131	121	126
Lang	157	151	139	198
Schwake	96	102	112	

At New York.

Following are the scores recorded at the regular practice game of the bowling club on April 28:

Player	1st	2d	3d	4th
Burns	178	162	165	159
Lang	181	216	184	182
Thielmann	175	165	170	182
Siebrecht	134	156	133	130
Smith	156	187	158	142
Traendly	134	199	120	157
Hafner	177	153	136	127

Afterwards three of the leading artists had a match game of their own, with the following result: Siebrecht, 97; Traendly, 92; Hafner, 95.

At St. Louis.

The St. Louis Florists' Bowling Club is hard at work and has arranged a series of games for which a prize will be awarded each month. There will be a set of handicaps and the games of last week were as follows:

Player	1st	2d	3d	Hdc.	T'l
Bereke	180	176	168	8	524
Ellison	180	217	185	scratch	582
Weber	141	147	158	31	456
Adels	194	154	157	30	505
Sturtz	145	171	169	9	515
Kueho	144	194	159	6	497
Miller	203	170	213	35	589
Kunz	196	228	156	26	580
Ellis	134	193		35	327

R. J. M.

At Jamestown, N. Y.

At the last weekly roll the rose growers won by 115 pins, giving them a lead of eleven pins in twenty-seven games rolled. Following are the scores for the night:

CARNATIONISTS.	1st	2d	3d	T'l
Scott	134	97	149	380
Hennon	147	121	187	435
Whitcomb	135	133	101	359
Eidens	113	162	134	409
Lydon	131	141	143	415
Kelly	121	108	154	383
Doxey	104	121	120	345
Totals	855	883	988	2726

ROSARIANS.	1st	2d	3d	T'l
Bowyer	161	184	113	458
Gunton	137	165	123	385
Vanderhof	162	125	119	406
Brooks	99	144	114	357
Coyne	222	137	168	527
McCue	171	126	127	424
Carlson	99	94	111	304
Totals	1051	915	875	2841

A. S.

CORFU, N. Y.—William Scott has broken ground for his season's addition, six houses 20x150, which will be rushed to completion, for the rose stock is at hand with which they are to be planted.

Cincinnati.

BUSINESS QUIET AND CUTS HEAVY.—MUCH STOCK GOES TO THE BARREL.—CLIFTON COMPANY TO PAY IN FULL.—NEW GROWING ESTABLISHMENT RUMORED.—A GOOD YEAR.

Trade is rather quiet for this season of the year and we are having our spring glut of flowers and a good many find their way to the barrel. A little funeral work is about all that moves the flowers at present, there being no weddings or decorations of any kind worthy of mention. Smilax and asparagus are growing scarce and no doubt as soon as ferns are used up there will be quite a run on the same.

It has been stated by good authority that several wealthy men of this city intend to form a stock company to grow and sell choice cut flowers and plants for the local trade. Probably they are anxious to find out what it costs to produce these articles.

Gus. Adrian, Carl Schweizer and Fred. Gear acted as appraisers of the stock of the Clifton Rose Company, which went into the hands of a receiver some time ago. All the accounts owed by the company will be paid in full.

The Board of Directors of the Cincinnati Cut Flower Company held its annual meeting last week. Wm. Mann, the secretary, reports an increase of twenty per cent in the volume of business done over last year.

The bedding season is close at hand and all the growers handling this class of goods are in work up to their necks.

D.

Lowell, Mass.

CUT FLOWER TRADE HOLDS FAIR FOR THE SEASON.—STOCK PLENTIFUL EXCEPT CARNATIONS.—BEDDING PLANT BUSINESS BEGINS WITH A RUSH.—NOTES.

Business continues to keep up in pretty good shape. There has been considerable funeral work, with a spring wedding now and then to help out. The weather the past week has been very warm, causing flowers to bloom a little more freely. At the present time there is a good supply of stock, except carnations, which seem to be limited. Good blooms of the up-to-date varieties are fetching from $4 to $6 per hundred. Everybody is preparing for Memorial day, which is not far distant. Violets are of the past. Sweet peas are coming in, but at present the demand for them is greater than the supply; they sell for 25 cents per dozen. Some snapdragons of excellent quality are being sent in, which take the place of stocks, which are all gone for the present.

On Saturday, April 26, Patten had a very pretty decoration at the Rogers Hall school. The mantel in the spacious parlors was banked with adiantum and Balduin roses, with a fringe of yellow marguerites, which created much comment.

The spring trade has opened with a rush. Great is the activity seen at some of the greenhouses, getting their bedding plants into shape, also getting ready to plant out carnations.

A. M.

PORTLAND, ORE.—C. W. Scott, representing Vaughan's Seed Store, has been calling on the trade here this week.

CRESTON, IA.—I. C. Hon is resigning his position as manager for the Creston Greenhouses June 1 to engage in business for himself under the name of the Floral Park Greenhouses, building two houses as a starter.

The Chicago Market.

It has been a long time since the Kennicott Brothers Company has had occasion to complain of poor business. Of course there is a day occasionally that seems like the Fourth of July, but it's only by contrast with the day before, which seemed like Christmas, and the day to follow usually looks something like Easter in the amount of flowers handled. It is remarkable the amount of stock received, graded, cared for and sold (most of it shipped) in this house every day. Representing, as the Kennicotts do, more growers than any house in the west, and growers of all classes, from the man who grows a specialty and does it well, to the man whose houses shelter every plant known to the cut flower trade, they receive daily such varied quantities of stock as would pass the comprehension of one not familiar with the conditions of the Chicago market.

Where all this material goes to is a puzzle to those who have not seen the expressmen carrying away the boxes with the Kennicott label, and the city buyers who throng the place in the early morning, and again in the afternoon, for it is well understood by the city retailers now, as well as the country florists, that "when you can't get it anywhere else go to Kennicott's."

But there is just one distinction between the city and the country buyer at Kennicott's. That is that the country buyer takes first place. If stock is scarce, flowers are set aside to fill all country orders before anything is sold to the city trade. The out of town man must not be disappointed, for he relies on Kennicott's.

Perhaps that is one of the greatest reasons why their shipping trade has grown steadily, year by year.

But there is another strong point which appeals to the out of town buyer. He likes to know that he is paying Chicago market rates. This he knows when he sends his order to Kennicott's. No need to look for price lists, for the ticket shows just what the city man is paying for the same grade of stock at the hour of shipment.

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SMILAX, 2½ in., extra stock.
BOSTON FERNS, 2½, 3, 4, 5, 6, 7-in. Write

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$2.75 PER 100; $22.50 PER 1000.

Bridesmaid, Caroline Goodrich, Climbing Perle, Climbing Malmaison, Mme. Elie Lambert, Mme. Husson, Mme. Jos. Laperreire, Mme. Hoste, Mme. Welche, Maman Cochet, Marie Van Houtte, Pernet's Triumph, Pink Soupert, President Cleveland, The Bride, The Queen, Virginia, White Bon Silene

$3.00 PER 100; $25.00 PER 1000.

Auguste Compte, Augustine Halem, Antoine Weber, Bertha Clavel, Climbing Wootton, Crown Princess Victoria, Emilie Gouin, Eduard Littaye, Helen Gould (Balduin), Johannes Wesselhoff, F. L. Segers, Marquise de Vivens, Mme. Margottin, Mrs. Robert Peary, Ophirie, Papa Gontier, Princess Venosa, Rainbow, Reine Marie Henrietta, Sombreuil, Souv. de Jeanne Cabaud, Souv. de la Malmaison, Striped La France, White La France, White Marechal Niel

HYBRIDS, $3.00 PER 100; $25.00 PER 1000.

Anna Alexieff, Ball of Snow, Coquette des Blanches, Coquette des Alpes, Francois Levet, Glory Lyonnaise, Gloire de Ex Bruxelles, Giant of Battles, Lord Roseberry, La Reine, Mme. Plantier, Perle des Blanches, Prince Camille de Rohan

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HARDY CLIMBERS, $2.50 per 100; $20.00 per 1000, Royal Cluster, Prairie Queen, Tennessee Belle, Baltimore Belle.
AMERICAN WONDER, Ponderosa Lemon, from 2¼-in pots $3.50 per 100.
HIBISCUS, double and single, including **Peachblow** and variegated leaf **Cooperi tricolor**, $2.50 per 100; $20.00 per 1000.
CANNAS, started plants in 2½ and 3-in. pots: Austria, $3.00 per 100; Chas Henderson, $3 00 per 100; Italia, $4.00 per 100; Souv. de Asa Gray, $3.00 per 100. Same varieties from sand nicely started, 6 to 10 in. high, good foliage, $2 per 100.
BOSTON FERNS, 2½ in., $3 per 100; $25 per 100.
CALADIUM ESCULENTUM, 5 to 7-in., $2.00 per 100; 7 to 9-in., $4.00 per 100. Good sound bulbs.
PLUMBAGO, red, $3.00 per 100; blue, $2.50 per 100.
ASP. SPRENGERI, $2.50 per 100; $20.00 per 1000.
IPOMOEA LEARI, (Blue Moonflower), $25 per 100; $20.00 per 1000.
BEGONIA, Albo-Picta, Compta, Fuchsioides, Coccinea, Hybrida Multiflora, Zebrina, Decorus, $2.50 per 100.
ACHANIA MALVAVISCUS, $2.00 per 100.
SANSEVEIRA ZEYLANICA, 2½-inch, $3.00 per 100.
HONEYSUCKLE, Chinese twining, pot grown, 2½-inch, $2 50 per 100.

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Wild Smilax

50 POUND CASE, $3.00.
30 POUND CASE, $2.00.

New Crop DAGGER FERNS, ready May 1st, quality the best.

Write for quotations. **R. A. LEE, Monroe, Ala.**

FANCY or DAGGER **FERNS** $1.50 PER 1000

PRINCESS PINE, 5c per lb.

GALAX, green or bronze, 75c per 1000. Laurel festooning, 4c, 5c and 6c per yd. Green or Sphagnum Moss. Send for prices on large orders.

Telegraph Office New Salem, Mass.

CROWL FERN CO., P. O. Millington, Mass.

Dracaena Indivisa, 4-in. $10; 5-in.... Per 100 $15.00

Vincas, 5-inch	10.00
Geraniums, mixed.....4-inch $5.00; 3-inch	3.00
Salvias.....4 inch $5.00; 3-inch	3.00
Begonias, Flowering, 3-inch	3.00
" Rex	6.00
Sweet Alyssum, 2½-inch	2.00
Saxifraga, 3-inch	3.00
Cannas, 4-inch	5.00
" 3-inch	3.00
Pansies, fine, in bloom	2.00
" " "	1.00
Bellis Perennis	1.00
Spotted Calla, 5-inch	20.00

J. S. BLOOM, Riegelsville, Pa.

It will be to your advantage to ascertain the rates from Chicago to New York, New England and all eastern points applying over the Nickel Plate Road and its eastern connections. Three daily trains, on which there is no excess fare. One feature of service on that road is meals in dining cars, on American club plan. Pay for what you get, but in no event more than from 35c to $1.00. Folders, rates and all information cheerfully furnished by applying to John Y. Calahan, General Agent, 111 Adams St., Chicago, Ill. Depot, Fifth Ave. and Harrison St. 4

FOR MEMORIAL DAY.

NEW CROP DAGGER FERNS
Are now ready, A No. 1 quality, $1.50 per 1000.

BOUQUET GREEN
Princess Pine, 6c per lb.

BRONZE AND GREEN GALAX,
5000 lots, 75c per 1000.

LEUCOTHOE SPRAYS
75 cents per 100.

LAUREL FESTOONING
4c, 5c and 6c per yard. LAUREL WREATHS, to order, any size.

BOSTON, May 3rd, 1902.

We would respectfully inform the trade that our new crop of Dagger Ferns is now ready and they are A No. 1 quality. We carry a full assortment of Florists' Hardy Supplies as follows: Bronze and Green Galax, Hardy Cut and Fancy Ferns, Bouquet Green, Laurel Festooning, Laurel Wreaths, Bundle Laurel, etc.

P. S.—Extra choice Dagger Ferns, $2.00 per 1000. Satisfaction guaranteed and quick delivery. Order them now and avoid disappointment and the rush. Long distance telephone, 2618 Main.

HENRY M. ROBINSON & CO.
32-34-36 COURT SQ., BOSTON, MASS.

GALAX Bronze or green, 75c per 1000, in 2 00 lots or over; single 1000, $1.00. Fern, Fancy, $2.50 per 1000; Fern, Dagger, $1.50 per 1000. Leucothoe Sprays, bronze and green, assorted sizes, $1 per 100. Green sheet moss, $2.50 per bbl. bag.

L. J. KRESHOVER.
110-112 W. 27th Street, NEW YORK CITY.
Telephone call, 597 Madison Square.
HARRY A. BUNYARD, Mgr.

ROOTED CARNATION CUTTINGS.

Why not get the Best? They are the Cheapest.

You don't have to buy 200 to have 100 fit to plant out, when planting time comes. For every 100 we send, you have 101 when ready to plant. We have the finest and largest stock of NORWAY and ESTELLE in the country. Stock marked (*), now ready in flats. ☞Send us a list of your wants for special prices on large lots.

	Per 100	Per 1000
*General Maceo	$1.75	$15.00
*Ethel Crocker	1.75	15.00
*G. H. Crane	2.50	20.00
*Genevieve Lord	2.00	15 00
*Marquis	2.00	17.50
*Mrs. G. M. Bradt	2.50	20.00
*Chicago	3.50	30.00
*Morning Glory	3.00	25.00
*Mrs. T. W. Lawson	5 00	40.00
*Queen Louise	5.00	45.00
*Norway	4.50	40.00
Prosperity	6.00	50.00
*Governor Roosevelt	6.00	50.00
*Estelle	6.00	50.00
*Cressbrook	10.00	75 00
Enquirer	12 00	100.00
*Mrs. Potter Palmer	12.00	100 00
*Mrs. Higinbotham	12.00	100.00

BOSTON FERNS.

In pans, grown the way you like them, full, bushy, compact stock, ready for your counter trade.

	Each	Doz.	100
12-inch pans	$4.00	$40.00	
10-inch pans	3.00	30.00	
9-inch pans	2.00	20.00	
8-inch pans	1.50	15.00	
7-inch pans	1.00	10.00	
6-inch pans	.75	8.00	$60.00
5-inch pans	.50	5.00	40.00
4-inch pots		2.50	20.00
3-inch pots		1.50	10.00
2½-inch pots		.60	5 00

Started Plants of Cannas.

a full line of all the leaders. Write for prices.

ASPARAGUS PLUMOSUS NANUS.

Fine bushy stock in large quantity.

	Doz.	100	1000
5-inch pots	$4.00	$30.00	
4-inch pots	2 00	15.00	
3-inch pots	1.00	8.00	$70.00
2½-inch pots	.60	5.00	40.00

ARAUCARIA EXCELSA. A Big Bargain.

5-inch pots, 18 to 20 inches high, 4 to 6 whorls, each, 75c; dozen, $9.00.

FICUS ELASTICA (Rubber Plant).

7-inch pots, 36 inches high, very fine stock, $9.00 per dozen.

PHŒNIX CANARIENSIS.

Fine bushy plants, 8-inch pots, 36 inches high, each, $2.50; dozen, $24 00.

GREENHOUSES: WESTERN SPRINGS, ILL. **VAUGHAN'S SEED STORE,** 84-86 RANDOLPH ST., CHICAGO. 14 BARCLAY ST., NEW YORK.

CARNATIONS

Well Rooted and Healthy.

	Per 100	Per 1000
PROSPERITY, white overlaid with pink	$6.00	$50.00
GOV. ROOSEVELT, crimson	6.00	50.00
QUEEN LOUISE, white	4.00	40.00
BON HOMME RICHARD, white	4.00	30.00
IRENE, pink	4.00	30.00
TRIUMPH, pink	2.00	15.00
WHITE CLOUD, white	2.00	15.00
THOS. W. LAWSON, pink	4.00	35.00
MARQUIS, pink	2.50	20.00
G. H. CRANE, scarlet	2.00	15.00
AMERICA, scarlet	2.00	15.00
MRS. BRADT, variegated	2.50	20.00
GUARDIAN ANGEL	1.75	15.00

MICHAEL WINANDY, DEVON AVE. AND NORTH ROBEY. **CHICAGO.**

NEW CARNATIONS.

Cressbrook and Fair Maid, strong, from soil, $1 50 per doz.; $10.00 per 100; $75.00 per 1000.

CHRYSANTHEMUMS

Fine strong plants from 2½-inch pots, ready now. Our selection, all good standard sorts, $20.00 per 1000. We have many other varieties than here listed. Send for complete list. Price per 100:

T. Eaton	$1.00	R. Halliday	$4.00
Nellie Pockett	8.00	Major Bonnaffon	3.00
Lady Roberts	8.00	Philadelphia	5.00
Mrs. E. D. Smith	6.00	Pennsylvania	5.00
Golden Beauty	8.00	Modesto	3.00
Mrs. Chamberlain	8.00	Nagoya	3 00
Mme. F. Bergmann	3.00	M. de Montmort	3.00
Willowbrook	3.00	Glory of the Pacific	3.00
Merry Monarch	3 00	Lady Harriett	6.00
Polly Rose	3.00	Maud Dean	4.00
G. S Kalb	3.00	Xeno	3.00
Ivory	3.00	Geo. W. Childs	4.00
Mrs. J Jones	3.00	Intensity	4.00
H. A. Parr	3.00		

H. WEBER & SONS, Oakland, Md.

Chrysanthemums.

From 2½-inch pots, fine, strong plants, $2.00 per 100. Varieties: YELLOW—Major Bonnaffon, Golden Wedding, Yellow Jones, Yellow Queen, O. P. Bassett and Gloriana. WHITE—Western King, Queen, Niveus, White Jones, Mrs. Henry Robinson and Kate Brown. PINK—Mrs. Murdock, Mrs. Perrin and Mrs. E. G. Hill.

MRS. J. W. CROUCH, Chattanooga, Tenn.

'MUMS.

E. C. Hill, Robinson, Maude Dean, Yanoma, out of 2½-inch pots, $2.00 per 100. 25 other varieties. Maude Adams, Timothy Eaton, Goldmine, Col. Appleton, Modesto, Nagoya, out of 2½-in. pots, $3.00 per 100.

A. D. Montgomery 121 East Broad St. **Hazelton, Pa.**

Rose Plants for Sale

GOOD CLEAN STOCK, WELL ESTABLISHED.

Brides, Bridesmaids, Meteors and Golden Gates,

2-in. rose pots, $30 per 1000; 3-in. rose pots, $45 per 1000; 4-in. rose pots, $60 per 1000.

CHRYSANTHEMUM ROOTED CUTTINGS....

TIMOTHY EATON, $3 per 100.

The following varieties at $1.50 per 100:

WHITE—Early.
Fitzwygram, Knoo.

WHITE—Mid-season.
Ivory, Snow Queen, Evangeline, Mrs. H. Robinson.

WHITE—Late.
Mrs. Jerome Jones.

YELLOW—Early.
Yellow Fitzwygram, Marion Henderson.

YELLOW—Mid-season.
Bonnaffon, Mrs. O. P. Bassett.

YELLOW—Late.
Yellow Jerome Jones.

PINK—Early.
De Montmort, J. K. Shaw, Glory of Pacific.

PINK—Mid-season.
Xeno, Pink Ivory.

PINK—Late.
Mrs. Murdock.

Greenhouses, HINSDALE, ILL. **BASSETT & WASHBURN,** Store, 76 Wabash Ave., CHICAGO.

New Chrysanthemum "CREMO"

FIRST-CLASS CERTIFICATE FROM C. S. A.

The best early yellow Chrysanthemum to date; comes in with Glory of Pacific, from which it is a sport. A beautiful soft shade of yellow, the color being much more distinct than is usual with sports. It just fills a vacancy in yellow at that season.

PRICES FROM 2¼-INCH POTS.

35c each; $3.00 per dozen; $20.00 per 100.

McMILLAN & SONS, Hudson Heights, N. J.

Please mention the American Florist when writing.

IVORY AND BONNAFFON

CHRYSANTHEMUMS.

Plants from 2-inch pots, $2.00 per 100; $18.00 per 1000. Ready for immediate delivery.

WM. MURPHY, Wholesale Florist,

Station F. CINCINNATI, OHIO.

Chrysanthemums Rooted Cuttings of

Merry Monarch, white and yellow; Willowbrook, J. H. Troy, J. E. Lager, Robinson, Pacific, Polly Rose, Shrimpton, Bonnaffon, M. Henderson, Ivory, pink and white; Murdock, F. B. Hayes, Pres. Smith, J. Jones, $1.25 per 100; $10 per 1000.

Walter Molatsch, R. Halliday, Appleton, $2.00 per 100. Cash with order.

G. F. NEIPP, Aqueduct, Woodhaven P. O., N. Y.

Please mention the American Florist when writing.

Chrysanthemums.

OVER TWENTY VARIETIES.

Names on application, 2½-inch pots, $2.00 per 100; $15.00 per 1000. Rooted cuttings, $1.00 per 100.

G. G. NANZ, OWENSBORO, KY.

Chrysanthemum Plants.

MRS. BERGMANN and GEO. KALB, best early white, from 2 and 2½-inch pots, fine plants, $2 50 per 100.

VINCA VAR., from 2 and 2½-inch pots, $2.50 per 100, or $22.50 per 1000.

JOHN J. VONDERSAAR,

1535 Madison Ave., Indianapolis, Ind.

Please mention the American Florist when writing.

St. Louis.

MARKET HEAVILY STOCKED. — MEDIUM AND LOW GRADES PREDOMINATE.—ENGELMANN CLUB HAS AN INTERESTING SESSION.

The last meeting of the Engelmann Botanical Club was held on Monday evening with thirty-five members present. Mr. Luke gave a very interesting talk on annuals, especially the sixteen used in the distribution envelopes, and also showed the seeds in small bottles. He was followed by Miss Teppin, who made some very interesting remarks about the value of the hyacinth bean as a vine and covering plant and also described the best way for amateurs to grow pansies, advising that they either start them in the fall or buy plants from florists. P. T. Barnes followed and made the suggestion of growing gourds and pumpkins for covering porches. The seed committee reported that about 35,000 packets of seed had been distributed and that 25,000 more would be sent out in the next week.

Stock is considerably more plentiful this week but there is still very little first-class material. The roses that are coming in run from $6 to $8 for the very best. Carnations bring $2.50 for the fancies. Carnations are very plentiful this week but there is not an over-supply of white. Some very fine White Cloud and Marquis, with a few Prosperity, are seen. Sweet peas are coming in heavily and the general run of them do not bring over 50 cents to 75 cents per hundred. Lilacs are still bringing $3 to $5 per hundred sprays and quite a number have been used. R. J. M.

LENOX, MASS.—C. W. Ward, of Queens, N. Y., who had arranged to deliver an illustrated lecture on "The Improvement of Carnations in America," before the last meeting of the Horticultural Society, was prevented from so doing, important business matters making his presence necessary in West Virginia on that day. Mr. Ward will deliver his lecture to the society at some future date.

LAST CALL

CARNATIONS

MRS. HIGINBOTHAM,

The great light pink of the future; a winner everywhere.

Peter Reinberg, says: "Book me for 10,000"

W. N. Rudd says: "It's got 'em all skinned to death on color."

We are now shipping nice stock from soil at $12.00 per 100; $100.00 per 1000.

MRS. PALMER,

The best scarlet ever introduced; send for sample blooms. 3-foot stems, perfect flowers, 3½-in. in diameter, free as any variety of any color

$12.00 per 100; $100.00 per 1000.

	Per 100	Per 1000
CHICOT	$3.00	$50.00
PROSPERITY, from soil	4.00	30.00
CRANE, from soil	2.00	12.50
GOMEZ, from soil	2.00	12.50
ROOSEVELT	5.00	40.00
NYDIA	2.00	15.00
AVONDALE	2.00	15.00

Chicago Carnation Co., Joliet, Ill.

Please mention the American Florist when writing.

CARNATION CUTTINGS

All the new and standard varieties, free from rust and all other diseases. Our stock is in fine shape and all cuttings are well rooted when sent out.

	Per 100	Per 1000
HIGINBOTHAM	$12.00	$100.00
MRS. POTTER PALMER	12.00	100.00
PROSPERITY	4.00	30.00
NORWAY	5.00	40.00
IRENE	3.00	25.00
LAWSON	3.00	25.00
BON HOMME RICHARD	3.00	25.00
HOOSIER MAID	3.00	25.00
CRANE	1.25	10.00
THE MARQUIS	1.25	10.00
GENEVIEVE LORD	1.25	10.00
ARGYLE	1.00	7.50
GUARDIAN ANGEL	1.25	10.00

	Per 100	Per 1000
FRANCES JOOST	$ 1.00	$ 7.50
CERISE QUEEN	1.00	7.50
TRIUMPH	1.25	10.00
FLORA HILL	1.25	10.00
WHITE CLOUD	1.25	10.00
PERU	1.00	7.50
AMERICA	1.25	10.00
MRS. L. INE	1.50	12.50
MRS. BRADT	1.75	15.00
ARMAZINDY	1.25	10.00
EVANSTON	1.00	7.50
ESTELLE	5.00	40.00
WHITE CLOUD	1.25	10.00
MORNING GLORY	2.00	17.50

ROSE PLANTS.

2½-in. pots.	Per 100	Per 1000
METEOR	$3.00	$25.00
PERLE	3.00	25.00
GOLDEN GATE	$3.00	$25.00
LIBERTY	12.00	100.00

All Plants and Rooted Cuttings sold under express conditions that if not satisfactory when received they are to be returned immediately, when money will be refunded.

Write for prices on large quantities.

Peter Reinberg, 51 Wabash Ave., Chicago

Ivory

or White Golden Gate.

Guaranteed TRUE STOCK

Strong plants out of 2-in. pots.

$6.00 PER 100.
27.50 PER 500.
50.00 PER 1000.

W. A. Hammond

107 E. Broad St., Richmond, Va.

Please mention the American Florist when writing.

Wanted, 1,500

Grafted Bridesmaids

Name Lowest Price.

SOUTH PARK FLORAL CO.,
NEW CASTLE, INDIANA.

Orchids!

Arrived in excellent condition: Cattleya Skinneri, Peristeria elata (Holy Ghost Orchid), also Cattleya Dowiana and a number of Dendrobiums. Write for our illustrated and descriptive catalogue of orchids.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

THE Regan Printing House
NURSERY SEED FLORISTS' **CATALOGUES**
87-91 Plymouth Place,
CHICAGO

The New White

That is Hard to Beat. Rooted Cuttings from flats, A No. 1, stuff. Per 100, $4.50; per 1000, $40.00.

Vaughan's Seed Store, CHICAGO New York

PANSIES

The Jennings Strain.

Fine cold frame plants in bud and bloom, $1.50 per 100; $7.50 per 500. Cash with order.

E. B. JENNINGS, Lock Box 254, Southport, Conn.
Grower of the Finest Pansies.

Please mention the American Florist when writing.

PANSIES..

Giant Trimardeau from cold frames, $3 per 1000. Mme. Perret all sold.

J. P. FRYER 10211 Union Ave., CHICAGO, ILL.

Gladioli Maple Shade collection. A few thousand extra good 2d and 3d sizes. The best planting stock and the cheapest.
WILBUR A. CHRISTY, KINSMAN, OHIO.

CARNATIONS

ROOTED CUTTINGS.
Strong Healthy Stock.

The following at $12.00 per 100; $100.00 per 1000: Viola Allen, Stella, Alba, Jos. H. Manley, Mrs. Potter Palmer, Apollo, Harry Fenn, Dorothy Whitney.

The following at $10.00 per 100; $75.00 per 1000: Golden Beauty, Challenger; Mrs. E. A. Nelson, Cressbrook, Gaiety.

The following at $6.00 per 100; $50.00 per 1000: Gov. Roosevelt, Prosperity, Lorna, Norway.

Queen Louise, $5 per 100; $40 per 1000.

Mrs. Lawson, $4.50 per 100; $40 per 1000.

Morning Glory and Mrs. G. M. Bradt, $3.00 per 100; $25.00 per 1000.

Lizzie McGowan and Wm. Scott, $1.50 per 100; $12 00 per 1000.

THE COTTAGE GARDENS,
QUEENS, L. I., N. Y.

12,000 OLD

Beauty Plants

$50.00 PER 1000.

Have been one year on bench. Perfectly Healthy stock, guaranteed to be satisfactory in every respect. Special care given to dampening and mossing of roots for shipment.

J. A. BUDLONG,
37-39 Randolph St. CHICAGO.

ROSE PLANTS

From 2½-in. pots.	Per 100	Per 1000
METEOR	$3 00	$25.00
PERLE	3.00	25.00
BRIDE	3.00	25.00
BRIDESMAID	3.00	25 00
GOLDEN GATE	3.00	25.00
KAISERIN	3.00	25.00

The above named stock is clean, well rooted and free from disease.

GEO. REINBERG,
51 Wabash Ave., Chicago.

Please mention the American Florist when writing.

JOSEPH HEACOCK,
Wyncote, Pa., Grower of

Palms and Am. Beauty Roses.

ROSES Crimson Rambler, Climbing Clothilde Soupert.

Ramblers, 3 to 4½ ft., well branched...$10 per 100
" 2½ to 3 ft., " " ... 8 per 100
" 1½ to 2½ ft., " " ... 6 per 100
Soupert, strong field-grown plants..... 15 per 100

The Conard & Jones Co, West Grove, Pa.

Please mention the American Florist when writing

WE HAVE TO VACATE

unexpectedly **OUR CARNATION FARM** at 60th and Market Streets, and therefore offer at

REDUCED PRICES.

The following Rooted Cuttings are

First-Class Carnation Stock

	Per 100	Per 1000
12,000 NORWAY	$3.00	$25.00
4,200 PROSPERITY	3.50	30.00
7,500 ROOSEVELT	3.50	30.00
4,800 ESTELLE	$4 00	$40.00
2,500 DOROTHY	5.00	40 00
1,000 MACEO	1.50	10.00
8,000 MRS. F. JOOST	1.50	12.00

The above are all well rooted, in first-class condition, ready for immediate shipment.

ROBT. CRAIG & SON, Market and 49th Sts., **Philadelphia, Pa.**

The Sensational New Rose for 1902.

MRS. OLIVER AMES.

For description, prices, etc., see Trade List.

Henry A. Trask, Editor of "North American," says in a letter dated Feb. 19th, 1902. The box of roses arrived safely last Saturday afternoon. Please accept my thanks. To my mind they are the realization of the ideal. Yours very truly, H. A. TRASK, Editor.

$100.00 IS OFFERED IN PRIZES for Cut Flowers of this Rose at Madison Square Show next fall.

CHRYSANTHEMUMS Some new European varieties of sterling merit, the stock of which we control for the American Market, and also all the cream of last year's new European varieties, and all the New American varieties of this season's introduction; for those contemplating growing for the shows next fall the above will prove winners.

JOHN N. MAY, Summit, N. J.

Carnation Cuttings...

Well rooted, from clean, healthy stock, cool grown.

	Per 100	Per 1000
EGYPT	$1.75	$15.00
GENEVIEVE LORD	1.25	10.00
WHITE CLOUD	1.25	10.00
TRIUMPH	1.25	10.00
MME. CHAPMAN	1.25	9.00
ROOSEVELT	$4.50	$40.00
PROSPERITY	3.50	30.00
NORWAY	3.50	30.00
LAWSON	3.50	30.00
CRANE	1.50	12.50
PERU	1.25	9.00

Violets Imperial, Farquhar, Marie Louise, rooted runners, $9.00 per 1000; from 2-in. pots, $27.50 per 1000. Swanley White, from 2-in. pots, $27.50 per 1000. Lady Campbell, rooted runners, $7.50 per 1000; from 2-inch pots, $22.50 per 1000.

GRAND RAPIDS VIOLET CO., Grand Rapids, Mich.

ARE YOU INTERESTED IN

American Beauties?

We have now over 10,000 in sand and pots, up to 3-inch. Write us.

GEO. A. KUHL, PEKIN, ILL.

All The Best CARNATIONS

FORTY VARIETIES, nearly all from soil. Send for prices on what you need.

GEO. HANCOCK & SON,
GRAND HAVEN, MICH.

Dallas, Tex.

TRADE HEAVY BECAUSE OF MANY VISITORS IN TOWN.—CUT FLOWERS GO WELL.—MUCH FUNERAL WORK.—CARNATIONS FOR NEXT SEASON.—NOTES.

The past week has been a busy one for the florists. The reunion of the old confederates, held in this city, brought fully 200,000 strangers to town and the many receptions, balls, operas and other attractions gave all hands plenty to do in decorations and the cut flower line. The week ended with the funeral of Philip Sanger, one of our most prominent and highly esteemed merchants. Fully 200 designs were furnished for the occasion and it required four large wagons to haul them to the grave. The store men estimate the investment in flowers for this occasion at from $1,400 to $1,600.

All of the craft report general business as good. Every home is a bower of bloom here, the roses are in full bloom now and a car ride through any of our streets will convince the most skeptical that Dallas is truly the home of the rose. People generally take a great pride in their homes, and the well kept lawns, and abundant show of flowers surely speaks well for their taste.

All hands with the Haskell Avenue Floral Company are busy getting stock in shape for fall planting. They are growing 20,000 carnations in 4-inch pots for early planting, and 30,000 in the field for late planting. The season is so hot here in September that it is a difficult thing to plant from the open field in that month, but from pots the stock moves along with no check.

F. W. Beach is making preparations to take a trip north in a few weeks to see what he can find in new plants, and at the same time have a little rest, after a year's hard work. Mr. Miller will, in all probability, accompany him.

LONE STAR.

WAUKESHA, WIS.—Robert Schneck, formerly of Milwaukee, has removed here and is building two houses which he expects to have completed June 1.

Late Prices.

CARNATIONS Prosperity and Roosevelt at $3.50 per 100.

GERANIUMS a general assortment all correctly labeled at $10 per 1000. Jean Viaud and M. de Castellane at $2.50 per 100.

HARDY PHLOX in assortment, all labeled, at $12.50 per 1000. Above are all rooted cuttings and not transplanted plants. A few hardy Phlox from 2-inch pots at $2 per 100.

PANSIES medium sized plants with a flower and 1 to 3 buds on them (cold frame plants) at $1.25 per 100.

BONE MEAL the best for Florists' use at $3.50 per 200-lb. bag.

ALBERT M. HERR, Lancaster, Pa.

BEDDING PLANTS.

Strong healthy stock, right prices: Ageratum, Alternanthera, Alyssum, Asparagus, Aster, Cannas, Carnations, Centaurea, Coleus, Daisies, Ferns, Feverfew, 12,000 Geraniums, Heliotrope, Ivy, Lobelia, Nasturtium, 30,000 Pansies, Pelargonium, Petunia, Salvia, Stevia, Stocks, Verbena, Vinca and others. Come and inspect or write for prices on what you want. **LUDWIG MOSBAEK, 8500 Anthony Ave. near South Chicago Ave., Chicago.**

CYCLAMEN.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM. Finest strain in the world, in four true colors, transplanted from flats, strong plants, from 5 to 6 leaves, $3.00 per 100; $25.00 per 1000; from 2½-inch pots, $4.00 per 100; $35.00 per 1000.

GERANIUMS. Standard varieties, labeled, my selection, all colors, extra well grown stock from 3½-inch pots, $5.00 per 100; from 2½-inch pots, several 1000 plants left, mixed, $2.50 per 100, $20.00 per 1000. **PAUL MADER, East Stroudsburg, Pa.**

Cannas, Roses, Palms, Etc.

CANNAS. Strong, 3-in. pot plants, unless noted at $4.00 per 100.

Florence Vaughan, Italia, Queen Charlotte, Pres. Cleveland, J. D. Cabos, Sophia Buchner, Egandale, Burbank, Duke of Marlborough, Alsace, Robert Christie.

Martha Washington, at $6.00 per 100.

ROSES. A general assortment of Ever-blooming varieties, strong, 2-inch and 2½-inch pots, $2.50 per 100; $20.00 per 1000.

GERANIUMS. S. A. Nutt, Mme. Barney, Richelieu, La Favorite, John Doyle, Mme. Charles Molin and Beaute Poitevine, $30.00 per 1000.

	Per 100
Marquis de Castellane	$6.00

Set of 4 New Bruants for 60c.
Set of 8 New Doubles for $1.50.
In good assortment, our choice of varieties, $27.50 per 1000.

	Per 100
PRIMULA FORBESI	$3.00
HELIOTROPES	2.00
SELAGINELLA Emmeliana	2.00
FUCHSIAS, in good assortment of varieties, 2½-in. pots	2.50
BEGONIAS Vernon and Vulcan	2.50
LANTANAS in variety	2.50

PALMS.

Areca Lutescens, 2½-in. pots, $30.00 per 1000	4.00
Areca Lutescens, 3-in. pots	8.00
Areca Lutescens, 4-in. pots., 3 plants in a pot	20.00
Kentia Belmoreana, 2½-in. pots	7.00
Kentia Belmoreana, 3-in. pots	15.00
Latania Borbonica, 2½-in. pots	3.00
Latania Borbonica, 3-in. pot, $40 per 1000	5.00
Pandanus Utilis, 2½-in. pots	5.00
Pandanus Utilis, 4-in. pots	15.00
Pandanus Veitchii, 4-in. pots, $6.00 per doz.	

The Storrs & Harrison Co.

PAINESVILLE, OHIO.

GERANIUMS.

	Per 100
10 standard Varieties, 2½ inch pots	$5.00
10 Standard Varieties, 3-inch pots	4.00
Alternanthera, Yellow	1.50
Alternanthera, Red	2.00
Ageratum, 2 varieties, blue	2.00
Asparagus Sprengeri	2.00
Verbenas	2.00
Seedling Petunias	3.00

COLEUS.

	Per 100
12 varieties, 2-inch pots	$2.00
Cannas, 8 varieties, 4-inch pots	10.00
Centaurea Cymn., 2-inch pots	2.00
Vinca Variegata, 2½-inch pots	2.50
Asparagus Plumosus, June 1st	3.00

CASH OR C. O. D.

JOS. H. CUNNINGHAM, DELAWARE, O.

FERNS.

Mixed varieties, strong stock and good assortment, in 2-inch pots, $3.50 per 100; $30.00 per 1000.

BEARD BROS., West Fort Street, ...DETROIT, MICH.

50,000 Canna Roots

Alphonse Bouvier, Mme. Crozy, Chas. Henderson, Marquant, Burbank, $12.50 per 1000; $1.50 per 100. Mixed, $10.00 per 1000; $1.25 per 100.

MICHIGAN CUT FLOWER EXCHANGE, DETROIT, MICHIGAN.

Orders booked now for my new Fern NEPHROLEPIS FOSTERIANNA

"ANNA FOSTER"

at $25 per 100, small plants, delivery in Sept. 1902.
BOSTON FERNS, $25 per 100.
KENTIAS, 6-inch, 30 inches, $1.00 each.
DRACAENA INDIVISA, 6-in., $6 per doz.; 7-in., $7.
20,000 GERANIUMS, best kinds, 4-inch.
R. C. Verschaffeltii and G. B. **COLEUS,** 75c per 100.
L. H. FOSTER, 45 King St., Dorchester, Mass.

GERANIUMS Fine 4-in. Geraniums in choice standard kinds, in bloom, $7.00 per 100. Fine lot fuchsias, $1.00 per dozen.

VERBENAS Mammoth Verbenas, good assortment, 3-inch, $3.00 per 100; 2½-inch, $2.50 per 100.

ROSE CUTTINGS Standard varieties of Roses, rooted cuttings, $1.50 per 100; $12.00 per 1000.

W. H. GULLETT & SONS, LINCOLN, ILL.

Everybody is more pleased if you say "saw your ad. in the American Florist" when writing.

100,000 GIANT PANSIES

Best strain, strong plants, all transplanted and grown cool, 50c per 100; $4.00 per 1000. Express prepaid.

ASTERS, Hohenzollern, pure white, delicate rose and red (Roemer's), last year novelty, grandest aster to date. Mammoth size, 7 inches across, double to center, resembling a large Japanese chrysanthemum, unsurpassed for cutting or bedding, plants branching, with strong stems 18 to 20 inches long, 70c per 100; $6.00 per 1000.

Queen of the Market, white, red, pink and mixed.

Florists' Upright Branching, outer petals recurved, center petals incurved, superb cut flower, pure white, daybreak pink, fiery scarlet and lavender.

Late Branching or Semple's, white, rose pink, lavender, red and mixed.

All the above are the best money makers for florists, strong, healthy plants, assorted to suit, 50c per 100; $4.00 per 1000. Express prepaid for cash with order.

DES MOINES PLANT CO.,
38th St., Des Moines, Iowa.

BURBANK'S Shasta Daisy

The coming cut flower and pot plant; nice to follow 'Mums. Plants each 50c; 5 for $1.50; 10 for $2.50; 25 for $5.00.

MITTING FLORAL COMPANY, LOOMIS, CAL.

Please mention the American Florist when writing.

SPECIAL TRADE LIST FOR THE MONTH OF MAY.....

Asparagus Comorensis. This new variety grows faster than Plumosus and makes strings in half the time, foliage more graceful and lighter in color, 2-in. 35c. doz.; $3 per 100.

Size of pots.	Per doz.	100
Asparagus Plumosus.....2	$ .35	$3.00
Asparagus Sprengeri.....2	.25	2.00
Ageratum, dark and light blue....3	.50	4.00
Abutilon Savitzii.....3	1.00	7.00
Bouvardias, single and double, white, pink, scarlet.....2	.35	2.50
Bouvardia Humboldtii, jasmine flowering, sweet scented.....2	.40	3.00
Carnations, McGowan, Flora Hill, Crocker.....2½	.40	3.00
Chrysanthemums, best stand. var. 2½	.40	3.00
Cuphea Platycentra.....2½	.40	3.00
Clematis, large flowering varieties, strong plants.....	4.00	
Clematis Paniculata, strong plants 4	1.50	10.00
Clematis Paniculata, strong plants 3	.75	5.00
Cobæa Scandens.....3	.50	4.00
Dracæna Sanderiana.....3	2.00	
Dracæna Indivisa.....5	3.00	
Dracæna Seedlings from flats.....		1.00
Echeveria Glauca strong plants...4	1.00	7.00
Echeveria Secunda Glauca, flats...		3.00
Feverfew, Little Gem.....2½		3.00
Geraniums, best bedding varieties 3	.50	4.00
Geraniums, Mrs. Parker.....2½	.75	5.00
Geraniums, Mme Salleroi.....2½	.35	3.00
Glechoma, variegated German Ivy 2½	.35	3.00
Hydrangea Thos. Hogg.....2½	.50	4.00
Ivy, hardy English strong plants..4	1.50	10.00
Ivy, hardy English.....3	.75	5.00
Lobelias, Emperor William, Pumila splendens and pure white.....2½	.35	3.00
Lantana, Le Naine, best dwarf var. 2½	.35	3.00
Petunia, double white.....2½	.35	3.00
Umbrella Plants.....3	.75	5.00
Violets, the California, La France and Princess of Wales.....	.35	3.00
Vincas, variegated strong plants 4	1.00	7.00
Aster Plants, Queen of the Market, Semple's, from flats.....		1.00
Chrysanthemums, R. C., from soil..		1.50

C. EISELE, 11th and Jefferson Sts., Philadelphia, Pa.

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Mrs Winters

THE WORLD'S BEST WHITE DAHLIA.

Novelties and Standard varieties. 18 yrs'. experience and have failed of no prize competed for.

See my catalogue before placing your order. Cannas and Hardy Plants. Cheap mixtures are dear; get the best.

W. W. WILMORE, The Dahlia Specialist, BOX 382, DENVER, COLO.

GIANT SWEET

ALYSSUM

$1 per 100; $8 per 1000.

ASTERS,

Vick's best, separate colors, great big strong plants from soil, 60c per 100; $5.00 per 1000.

CANDYTUFT,

from soil, 50c per 100; $4.00 per 1000. Express paid.

C. Humfeld, Clay Center, Kas.

CANNAS Burbank, Henderson, Mme. Crozy, F. Vaughan, P. Marquant, L. E. Bally, A. Bouvier, J. C. Vaughan, Egandale, Souv. de Antoine Crozy in variety, started, $2.50 per 100.

ALTERNANTHERAS P. Major, red, R. C., 60c, postpaid. Pot plants, red, yellow, pink, $2.00 per 100.

BOSTON FERN 2½-inch, 3c; 3-inch, 8c; 8-inch, $1.00.

Begonias, flowering, in variety, 2½-in., 2½c.

Russelia Multiflora and Elegantissima 2½-in. 4c.

Vinca Major, strong, fine runners, 2-in., 3c. Cash.

A. J. BALDWIN, NEWARK, OHIO.

ASTER Plants

Semple's Branching and Queen of the Market, in white, pink, blue and red, fine plants, grown from the finest seed saved by myself, at $2.50 per 1000; 40c per 100.

J. C. SCHMIDT, BRISTOL, PA.

SEASONABLE STOCK.

GERANIUMS.

Jean Viaud, Mme. Landry, Mme. Charlotte and Hubert Charron, $5 per 100. Marvel, Duc de Montemart, La Favorite, Wm. Pitzer, Countess de Castiers and Mars, $3.00 per 100.

BEGONIA

Rex, a large collection of salable varieties from 2½ and 3-inch pots.

PELARGONIUMS.

Strong stock from 2½ and 3-inch pots, in bud and bloom, W. C. Boyes, Euclid, Bridegroom, Crimson King, Evening Star, Innocence, Joseph Leigh, Linda, Mrs. O. W. Childs and Prince George, $12 per 100. Mme. Thibaut, Robt. Green, Sandiford's Best, Sandiford's Wonder and Victor, $8 per 100.

FEVERFEW

Matricaria, $2.50 per 100.

PHALARIS ARUNDINACEA VAR.

One of the most suitable plants for bordering Canna Beds, $4 per 100.

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Golden Glow, 2-inch pots, $2.50 per 100. Newmanii, 2-inch pots, $3.00 per 100.

HELIANTHUS

Multiflorus Plenus, double, 2-inch pots, $2.50 per 100. Multiflorus Plenus, single, 2-inch pots, $2.50 per 100. Rigidus, $3.00 per 100.

NEPHROLEPIS

Cordata Compacta and Nephrolepis Cordifolia. This is exceptionally strong 3-in. pot stock, and a bargain, $4 per 100.

RAMBLER ROSES.

2-yr.-old extra strong, 8c each. 75 yellow, 75 pink and 75 white.

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With Leaves On...

JAPANESE FERN BALLS.

We have an immense stock of Fern Balls, well furnished with leaves, at $5.00 per dozen. Culls from $3.00 per dozen, up.

The Geo. Wittbold Co., Chicago, Ill.

COLEUS In 20 best varieties 2-in., per 100, $2; per 1000, $18. Rooted Cuttings per 100, 60c; per 1000 $5. If by mail add 10c per 100.

NEPHROLEPIS WITTBOLDII.

Rooted Runners, per dozen.....	$1.00
3-inch pots, strong, per dozen.....	2.00
Large Plants from Bench, ready for 7-inch pots, each.....	1.00
Latania Borbonica Palms, 2-inch, ready for 3-inch, 100, $3.00; per 1000.....	25.00
Grevillea Robusta, 3-inch, per 100.....	5.00
Heliotrope in variety, named, per 100.....	2.00
Umbrella Plants, 2-inch, per 100.....	2.00
Chrysanthemums, Major Bonnaffon, 2-inch, per 100.....	2.00
Ageratum, White Cap, 2-inch, per 100.....	2.00
Alyssum, double, 2-inch, per 100.....	2.00
Begonia, Albo Picta, (good for baskets or vases) 2-inch, per 100, $3.00; 3-in. per 100,	5.00
Lobelia, 2-inch, per 100.....	2.00

CANNAS, a large stock of rooted tubers ready for pots. Send for list and prices. Cash or satisfactory reference. **George L. Miller, Newark, O.**

Geraniums

STANDARD VARIETIES, 3½-in. pots, $6.00 per 100; $50.00 per 1000.

CANNAS, standard varieties, 4-in. pots, $7.00 per 100, $60.00 per 1000.

EUGENE LEWIS, ELMIRA, N. Y.

500,000 VERBENAS.

60 finest named varieties, including our **NEW MAMMOTH WHITE, "MRS. McKINLEY."** The finest white verbena grown; perfectly healthy; free from disease. Plants, $2.50 per 100; $20.00 per 1000. Our list is the choice of millions of seedlings. Send for circular.

J. L. DILLON, BLOOMSBURG, PA.

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IMPATIENS THE QUEEN

This variety we now offer for the first time, it being far ahead of any cheap blooming house plant that we know of. A grand plant for out-of-town florists.

Flowers 1¼ to 1½ inches in diameter, color a delicate satiny pink with bright carmine eye, center of petals faintly tinged with white, wonderfully profuse and of the easiest culture. Price, 2-inch pot plants, $1.50 per doz.; $10.00 per 100.

CENTRAL MICHIGAN NURSERY, Kalamazoo, Mich.

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Honeysuckle Vines WANTED.

Name variety, number and price.

C. B. WHITNALL, MILWAUKEE, WIS.

Please mention the American Florist when writing.

BEGONIA GLOIRE DE LORRAINE, Begonia Light Pink Lorraine,

For June and Later Delivery, $15.00 per 100, $140.00 per 1000.

Edwin Lonsdale, Wyndmoor, near Chestnut Hill, Pa.

Syracuse, N. Y.

GROWER HAS MANY NOTEWORTHY CARNATION SEEDLINGS.—BEDDING PLANT SEASON OPENING.—DOINGS OF VARYING INTEREST.

L. E. Marquisee has one of the finest places in the state. He is working up a nice stock of Empire State, which is to be introduced in 1903. Mr. Marquisee has several seedlings and some of them are beauties. One which is not named is a pure scarlet in color and from three to four inches in diameter. It is well built up in the center and the calyx is perfect. The edges are heavily serrated and the stem is very long and wiry. He also has a rather flat carnation of a beautiful crimson. Another is a pure salmon with no harsh shade and well formed. There is also a white penciled with pink and another one which is dark red. None of these have been named and will probably not be until near the time when the cuttings are to be put on the market.

Quinlan & Company report that the season for bedding plants is opening with a large demand for pansies and verbenas. The former bring 40 cents and latter $1. Mr. Wheadon expects to have a better summer trade this year than ever before.

The Auburn City Railway Company is planning to make extensive improvements at Lakeside Park this summer and will put in new flower beds, shrubbery and California privet hedge.

A movement is being made here to get the school children interested in growing flowers and several thousand packets of seeds have been distributed among them.

Henry Morris had a magnificent palm decoration for the recent musical festival.

A. J. B.

Washington.

C. Schellhorn has let the contract for a new dwelling to cost $3,500 at his place at Good Hope. The material is already on the ground. He also contemplates building another rose house 25x150, like the one he built last year, from which he has cut a large quantity of roses.

Trade shows little change notwithstanding the fact that flowers are plentiful and cheap. P. G.

MEADVILLE, PA.—Geo. W. Haas & Son report that business so far this year is better than that of last year for the same period.

BAY TREES

PYRAMIDS,	4 feet high	$10.00 a pair
"	5 feet high	12.00 a pair
"	5½ feet high	14.00 a pair
"	6½ feet high	20.00 a pair
"	7 feet high	22.00 a pair
"	8 feet high	25.00 a pair
STANDARDS,	dia. of crown, 24 inches	15.00 a pair
"	dia. of crown, 24 inches	18.00 a pair
"	dia. of crown 28 inches	20.00 a pair
"	dia. of crown, 3 feet	30.00 a pair
"	dia. of crown 3½ feet	35.00 a pair
"	dia. of crown, 4 feet	50.00 a pair
STANDARD BOXWOOD CROWNS		5.00 a pair

All the above plants are in green-painted pots. Plants of perfect shape. Cash with order. If to be shipped outside New York, add 50 cents each for packing.

ANTON SCHULTHEIS, Florist.
P. O BOX 78. COLLEGE POINT L. I.

VIOLETS

Rooted cuttings of Marie Louise, Lady Campbell, Swanley White and Imperial, 2¼-in. pots, $3.00 per 100 $ 5.00 per 1000.

CARNATIONS, rooted cuttings.
SEND FOR CATALOGUE.

CRABB & HUNTER, Grand Rapids, Mich.

Plant and Rooted Cutting List

NOW READY FOR SHIPMENT.

ROOTED CUTTINGS.

	Per 100
Coleus, Red Verschaffeltii	$ .75
Geraniums, Mme. Pollock	1.50
" Happy Thought	1.50
English Ivy	1.00
Heliotrope	.60
Chrysanthemums	1.25

POT PLANTS.

	Per 100
Pteris Tremula, 2¼-inch	$1.50
Pteris Tremula, 2½ inch	2.25
Pteris Tremula, 3-inch	4.00
Roses Ulrich Brunner, 2½-inch	3.00
Hydrangea Otaksa, for growing on, 4-inch	5.00
Hydrangea Otaksa, " " 5-inch	7.00
Hydrangea Otaksa, " " 6-inch	10.00
Hydrangea Otaksa, " " 7-inch	15.00

CHRYSANTHEMUMS W. H. Lincoln, Jerome Jones, Golden Wedding, Philadelphia, Ivory, Thornden, Pres. Smith, Minnie Wanamaker, Louis Boehmer, Maud Dean, Viviand-Morel, Major Bonnaffon, G. W. Childs, Mme. Bergmann, Glory of Pacific, J. G. Whilldin. Rooted cuttings, grand stuff, $1.25 per 100; $10.00 per 1000.

☞ All the above sold on the positive guarantee of their being first-class, if not, your money at once refunded.

Having to rebuild our greenhouses this season the following stock is in our way at the start. If you want any speak quick: Asparagus Plumosus, 3-year, from bed five clumps, $18.00 per 100. Kentias, 2½-inch very fine, $5.00 per 100 Roses—Ulrich Brunner and Paul Neyron, 2-year-old, from boxes, own roots, $8.00 per 100. Kentia Seedlings, from flats, 1 year, $3.50 per 100. Geranium Mrs Pollock and Happy Thought, 1 and 2-year stock, plants from bench, $5.00 per 100. Cannas, 4-year-old, $5.00 100. Steel Wire Stakes, galvanized, No. 8 wire, 3 feet, used one season, $5.50 per 1000.

JOHN IRVINE & SONS, Bay City, Mich.

A Discount of 50% on Wittboldii Ferns

FOR 30 DAYS ONLY.

2½ inch, $5.00; 3-inch, $8.00; 4 inch, $12.00; 5-inch, $20.00 per 100.
Bench plants, $3 to $8 per 100. Good for 8-inch pots, 50 cts. each.

This is a rare chance to get a stock of this New Fern cheap.

CASH PLEASE. **A. J. BALDWIN, Newark, Ohio.**

A FEW GOOD THINGS YOU WANT.

KENTIA BELMOREANA and FORSTERIANA, special price to reduce stock. 2½ in., 8c; 3-in., 15c; 4 in. 25c; 5-in., 50c 6-in., $1.00. 3, 4, 5-in **ARECA LUTESCENS,** 2 and 3 plants to a pot, same price. These are excellent lot of clean, cool grown plants.

BOSTON FERNS, 4c, 8c, 15c, 30c and 50c each.

DRACAENA INDIVISA, 3, 4, 5-in., 6c, 10c, 25c each.

GERANIUMS, 2-in., Bonnat, double and single Grant, La Favorite, S. A. Nutt, Atkinson, Salleroi, Poitevine, M. Barey, Kleher, John Doyle, Jaulin, Riccard, Mrs. E. G. Hill, Perkins. Per 100—2-in., $3.00; 3-in., $5.00.

ASPARAGUS SPRENGERI, 2-inch, $3.00 per 100; Plumosus, 3-inch, $8.00 per 100.

ENGLISH IVY, 2-in., $3.00; 3 in., $6.00 per 100. Verbena, Petunia, Smilax, Achyranthes, Lobelia, Coleus, Alternanthera, Tomato Plants, Campbell Violets, Aster, Ageratum, Heliotrope, Vinca Var., Giant Alyssum, Scarlet Sage Clara Bedman, 2 in., $2.00 per 100; 3-in., $4.00 to $5.00 per 100.

Send for wholesale lists. Cash or C. O. D.

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

Fine, Healthy Stock.

	Per 100
ROSES—Bridesmaid, 3-in. pots, per 1000, $32, $3.50 Bride, 2¼-in. pots, ready for shift, " $28,	3.00
GERANIUMS—Dbl. Grant, S. A. Nutt, Murkland, and dbl. deep Geraniums, 3-in. pots,	5.00
2¼-in. pots of the above varieties	2.50
Assorted, 2¼-in. pots	2.50
Assorted **VERBENAS, VINCA VAR., SALVIA, and PURPLE HELIOTROPE,** 2-in. pots	2.00
ALTERNANTHERA—2 varieties, red and yellow; Golden Bedder and assorted **COLEUS; GERMAN IVY,** and 3 varieties **AGERATUMS,** 2-in. pots	1.50
ROOTED CUTTINGS—Alternanthera, 3 varieties, and assorted Coleus per 1000, $5,	.55

CASH PLEASE.

R. I. HART, Hackettstown, N. J.

GERANIUMS All the best varieties, extra fine plants. S. A. Nutt, Marvel, Grant, F. Perkins, Mme Jaulin, La Favorite, Hill, etc., 3-in. $3.00 per 100; 4-inch in bud or bloom, $5.00 per 100 **PANSIES,** extra fine plants from cold frame, now in bud $1.00 per 100, $8.00 per 1000. **DOUBLE DAISIES,** large plants 75c per 100; $5.00 per 1000. **ASPARAGUS SPRENGERI,** seedlings from flats ready for potting, $3.00 per 100. **Hill Top Greenhouses, 15-16 Gray Ave., Utica, N. Y.**

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SPECIAL April OFFER

GERANIUMS.

To reduce our stock of 100,000 plants at once, we will fill orders for the following strictly high grade varieties, true to name and first-class in every respect: extra strong tip cuttings, well rooted, ready for 2½-inch pots, $1.50 per 100; $14.00 per 1000; in Variety—S. A. Nutt (best crimson bedder), E. G. Hill F. Perkins, Beaute Poitevine, Mme. Bruant, Duchess of Orleans, La Favorite, J. M. Garr Snow Drift, Thos. Meehan, Alphonse Riccard, L. P. Morton, Athlete, J. J. Harrison, E. Kelway, Mme. Jaulin.

Double Fringed Petunias.

If you want Petunias, we have them and can supply any quantity. Ten novelties selected from Henderson's and Dreer's latest sets, plenty of white, labeled. Extra strong rooted cuttings. **SPECIAL PRICE,** $1.00 per 100; $8.00 per 1000. 500 at 1000 rate.

Smilax, strong seedlings ready for 2-inch pots, 50c per 100; $4.00 per 1000.

CASH WITH ORDER.

The W. T. Buckley Plant Co., Springfield, Ill.

BARGAINS. READ THIS, FOR HERE IS WHAT YOU WANT AND WE WANT ROOM.

Geraniums, composed of S. A. Nutt, La Pilot, Richard Grett Frances Perkins, Beaute Poitevine, Dble. Gen. Grant, Bruanti, Ruy Blas, Gloire de France, Centaurean, Alph. Riccard, Margaret de Leyas, Jas. Gaar, Wonder, Granville, La Favorite, Mme. Bruant, and several other varieties in 2¼ in. pots, also Rose Geraniums, and want shifting at once at $2.50 per 100; $20.00 per 1000 Special prices in lots of 5000 or more. 500 at 1000 rate.

Coleus, in variety, 2¼-in. pots, $1.50 per 100; rooted cuttings 60c. per 100; $5.00 per 1000.

Verschaffeltii and **Queen,** 70c. per 100; $6.00 per 1000

Anthemis Shower of Gold, R. C., $1.50 per 10.

Ageratum, in variety, 2¼-in. pots, $2.00 per 100; rooted cuttings, 60c. per 100.

Fuchsias, in variety, 2¼-in pots, $3.00 per 100; rooted cuttings, $1.25 per 100.

Heliotrope, in variety, 2¼-in. pots, $2.00 per 100; rooted cuttings, $1.00 per 100.

Salvia, in variety, 2¼-in. pots, $2.00 per 100; rooted cuttings, 75c. per 100.

Var Vincas, 2¼-in. pots, $2.00 per 100; rooted cuttings, fine, $1.00 per 100 4-in. pots, $6.00 per 100.

Feverfew, from soil, $1.50 per 100.

English Ivy, from soil, $2.00 per 100.

Cash with the order.

J. E. FELTHOUSEN, Schenectady, N. Y.

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Greenhouse Bugs
USE
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Clean and harmless as **Fumigant** or **Spray.** Ask your seedsman for it or write to

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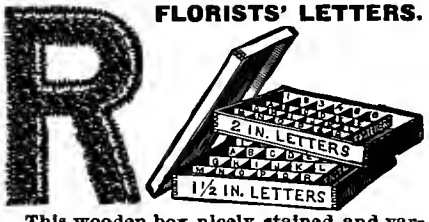

This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1½ or 2-inch size, per 100, $2.00. Script Letters, $4. Fastener with each letter or word.

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Cape Flowers, ALL COLORS;
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Cut Flower Box
IS A PERFECT GEM. SEND FOR SAMPLE.
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MILWAUKEE, WIS.

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Dry powders all soluble in water. Composts cost less than ½c per gal. Correspondence invited.
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Fresh Tobacco Stems.
Bales of 300 pounds, $1.50.
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No. 1.—Brass, nickel, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) $2.25. Price complete (with green or white cornucopia vases) $2.50. No. 2.—Heavy 4 ft. rod brassed and nickeled, with three clasps for 5 to 6-inch pots, each, $1.75.
Kift's patent rubber capped FLOWER TUBES, 1½-inch diameter, per 100, $3.50.
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MANUFACTURERS OF
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"The kind that never fall apart."
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WATERPROOF Corner Lock Style.
The best, strongest and neatest folding cut flower box ever made. Cheap, durable, handy. To try them once is to use them always.
DON'T USE OLD STORE BOXES.
If you have any doubt, send for samples, which speak for themselves.

Size No. 1.	3x4½x16..	$1.75 per 100;		$15.00 per 1000	
" No. 2.	3x6x18....	2.00	"	18.00	"
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" No. 5.	4x8x22....	3.00	"	28.00	"
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SUPPLY CONSIDERABLY AHEAD OF DEMAND SINCE EASTER.—ACTIVE PERIOD PREDICTED.—LOW PRICES FOR STOCK FOR PARADE DECORATIONS.—SEVERAL BUSINESS CHANGES.—NOTES OF VARYING TRADE INTEREST.

Since Easter trade has been unusually quiet and the supply of cut flowers has greatly exceeded the demand. This condition is explained by those who are interested to the effect that most society events are being arranged to take place during the biennial meeting of the Parliament of Women's Clubs, which will be held here from May 1 to 10. This, together with the annual fiesta de las flores, lasting for three days, will consume an enormous quantity of stock. For the floral parade on May 2 the liberal prizes have induced many to enter the competition, but there is really no profit in supplying flowers for this kind of work. The retailers try to decline orders for this decorating and the growers quote prices that scarcely pay for picking and packing the flowers. Carnations are freely offered at $5 per thousand and other stock at proportionately low rates. The redeeming feature of the whole affair is that it advertises the city and brings visitors who are willing to pay good prices at other times.

Chas. Winsel, for a number of years chief gardener for the Southern Pacific Railroad in this vicinity, has purchased and taken charge of the business of The Brose-Fleur Seed and Plant Company. Jas. Cruikshank has been appointed to the position made vacant by the resignation of Mr. Winsel.

J. W. Woltskill, of Redondo Beach, after having grown carnations there for a dozen years, is removing to this city. Under the management of George Watson the new place on Boyle Heights is being planted mainly to carnations. Mr. Woltskill hopes to avoid serious frosts in his new location.

The Redondo Floral Company's new greenhouses at Redondo Beach are ready for the glass. I understand up-to-date eastern methods will be in vogue there.

Miss Harriett Goodin has charge of the principal decorations for the women's parliament. D. R. W.

YONKERS, N. Y.—Samuel Untermeyer is planning a very fine range of private greenhouses. One house is to be 45x200, one 20x100, one 12x100 and one 12x25.

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THOSE RED POTS
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FULL SIZE AND WIDE BOTTOMS.
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SADDLE RIVER, N. J.

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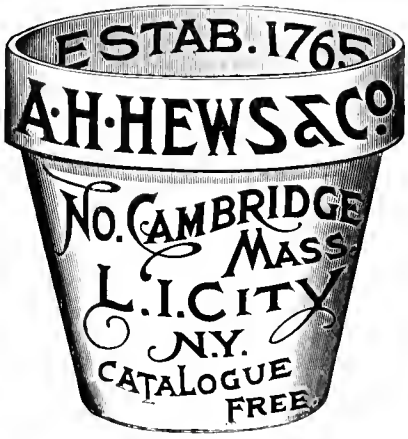

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MANUFACTURERS OF
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Please mention the American Florist when writing

European Tourists and others destined to eastern points, will find the low rates applying over the Nickel Plate Road to New York, New England and other eastern destinations, specially attractive. The eastern terminals via this line are only from three to ten minutes from all ocean steamship docks, and the service afforded is first-class. Three trains daily from Chicago. Uniformed colored porters are in charge of day coaches, whose duties require that proper care shall always be given to keeping cars clean and attending to the wants of passengers enroute. Meals served in dining cars at prices that are reasonable and within reach of all. Details cheerfully furnished on application to John Y. Calahan, General Agent, 111 Adams St., Chicago. Chicago City Ticket Office, 111 Adams St.

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Pots	Price per crate		Pots	Price per crate	
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1500 2¼	"	5.25	60 8	"	3.00
1500 2½	"	6.00	48 9	"	3.60
1000 3	"	5.00	48 10	"	4.80
800 3½	"	5.80	24 11	"	3.60
500 4	"	4.50	24 12	"	4.80
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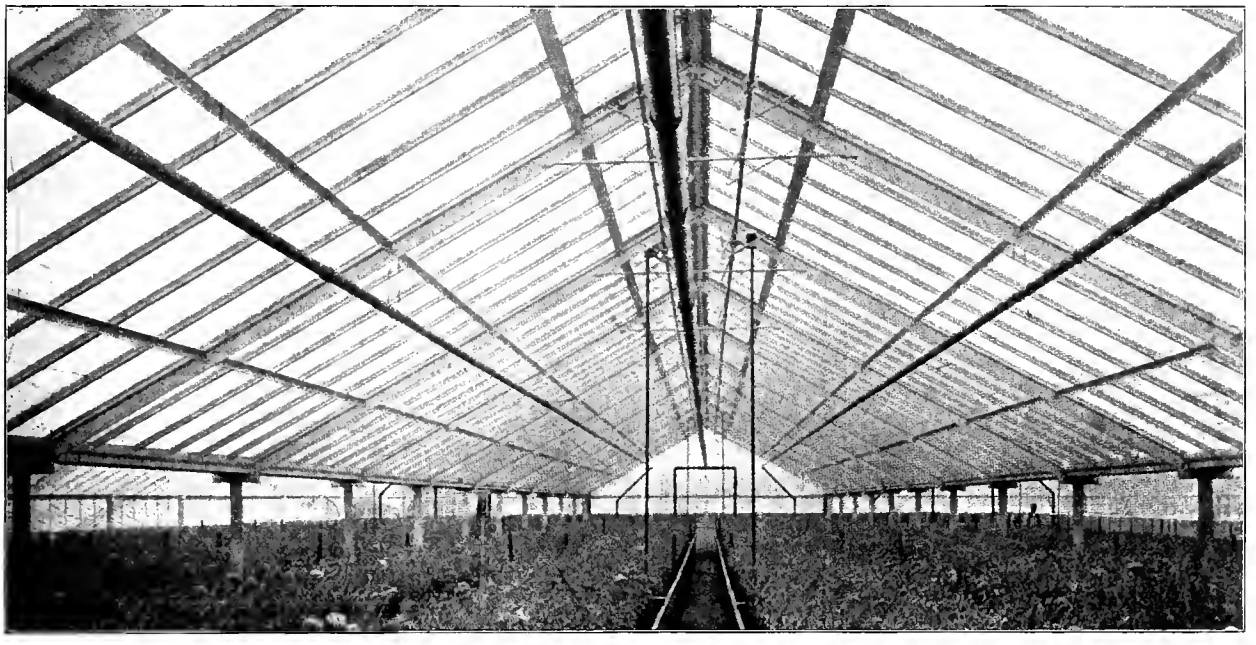

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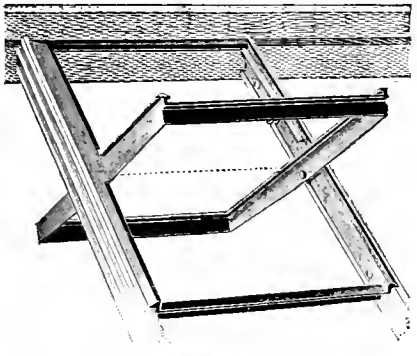

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All over the country,
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TRADE ACTIVE IN THE CUT FLOWER DEPARTMENT AND PLANTERS ARE RUSHED.—NEW FIRM OF GROWERS TO START IN OHIO.—VARIOUS NOTES OF LOCAL DOINGS.

We are remarkably busy for the season, cut flower trade being very active and everyone has all he wants to do, so that there is not a word of complaint heard anywhere. We have been pleased at the condition of Bridesmaids and Brides for the past few weeks, but they now seem to be getting dreamy and ragged. Jacqs, Bon Silenes and Perles are fairly good. Beauties are excellent in quality and reasonable in price. Both sweet peas and yellow daisies are superfine. Harrisii lilies are sick looking and are too high in price. Carnations are fairly plentiful, with the exception of whites. Asparagus and smilax are much improved in quality and supply. We have many occasions to use good ivy leaves. Home growers evidently do not care to give them the room and it is necessary for us to send east to get them. Lilies of the valley seem to be the unanimous selection for bridal bouquets and the market is just suited to meet this kind of a demand.

Fred. Burki had one of his fine wagons completely demolished a few days ago. The horses attached to an ice wagon became frightened and ran away, striking Mr. Burki's wagon. His horses and driver escaped injury.

Harry Graves and Otto Reisch, of Randolph & McClements', have arranged to construct a range of houses at Beloit, Ohio. The houses will be 20x150 feet and roses and carnations will be their specialty.

The Pittsburg and Allegheny Florists' and Gardeners' Club will have its next business meeting on Tuesday, May 6. A large meeting is hoped for and some interesting matters will be discussed.

J. B. Murdoch & Company report that their nursery department sales greatly exceed their expectations. E. L. M.

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Write for circulars or estimate.

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Prices range from $1.40 to $1.90 per 100 pounds.

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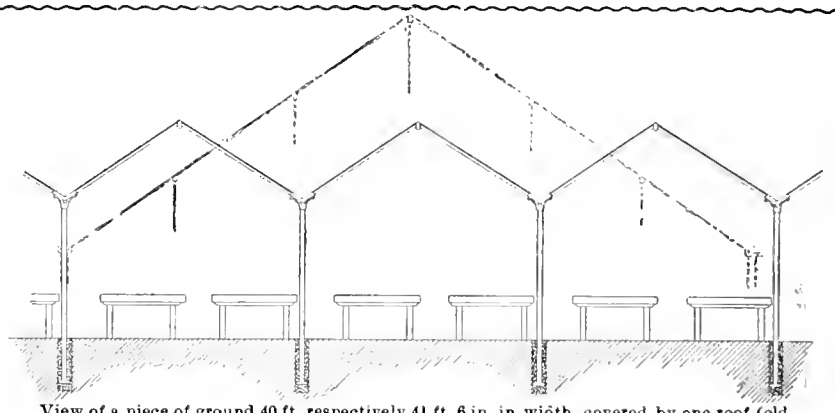

View of a piece of ground 40 ft. respectively 41 ft. 6 in. in width, covered by one roof (old style), and also by three sections of our Patent "Short-Roof" Construction. Compare headroom over benches and number of supports.

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Manufacturers of California Red Cedar and Louisiana Cypress Greenhouse Material.
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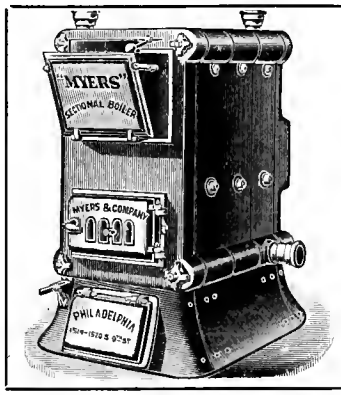

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Send for Catalogue and latest prices.

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MANUFACTURERS OF HOT BED SASH, AIR DRIED GULF CYPRESS SASH BARS AND OTHER GREENHOUSE MATERIAL.

BUILDERS of DURABLE and PRACTICAL Greenhouses at a LOW COST.

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On steel pipe, but GEO. M. GARLAND will sell you CAST IRON POSTS which will not corrode, 8 feet 5 inches long, with all necessary connections for walls and gutters, at $1.25 each. Saves labor and makes a good job. Being generally used. Sample post on receipt of $1.25.

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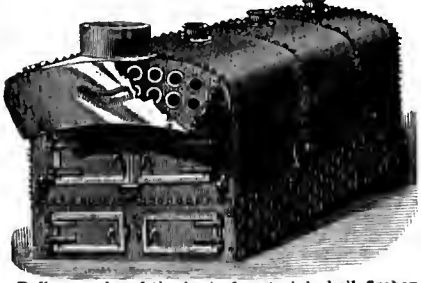

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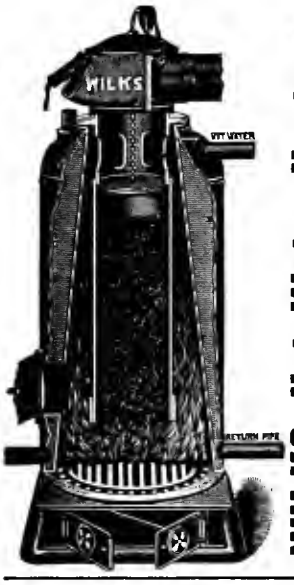

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Operates to perfection in catchy weather.

Commercial growers use them largely.

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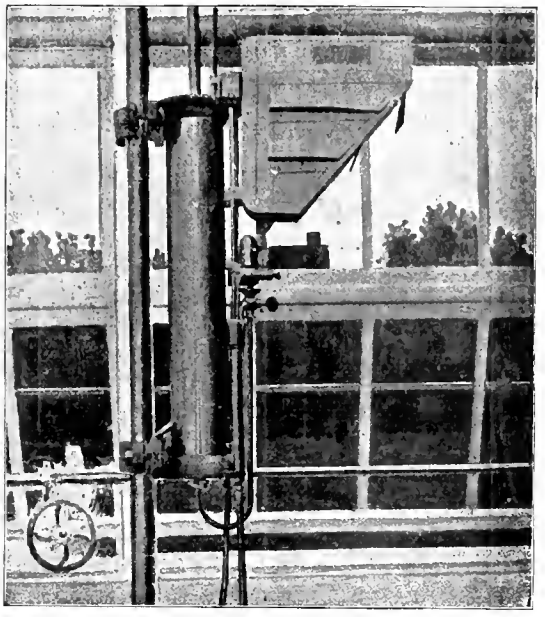

Saves all labor.

Improves the growth of plants.

Especially good for Roses.

Will last a lifetime and soon pay for themselves.

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For Greenhouses, and also Temperature Regulator for Radiators.

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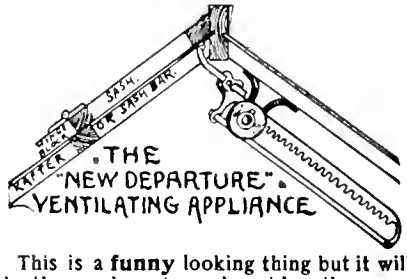

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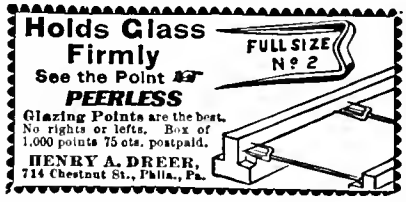

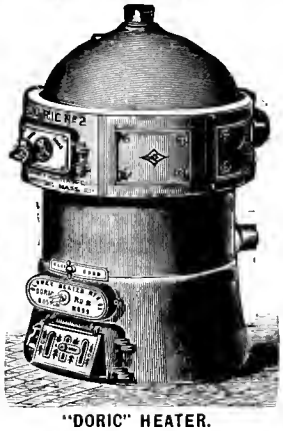
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CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Asheville, N. C., August, 1902. Edwin Lonsdale, Chestnut Hill, Pa., Sec'y.

AMERICAN ROSE SOCIETY.

Annual meeting at call of executive committee, LEONARD BARRON, 136 Liberty St., New York, secretary.

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Greenhouse Culture of Lilium Candidum.

There are but two lilies, of the many species, that are grown in pots for winter flowers, mainly because none others succeed so well as do Lilium candidum and varieties of L. longiflorum grown in this manner. Lilium candidum is largely grown by some florists but not by nearly so many now as it used to be. It is still a leader for all decorative purposes and design work when it can be had, being admirably adapted to this purpose.

It is not difficult to successfully grow the plant. The method employed by a great many who grow it largely and well is to pot the bulbs in 6 inch or 7-inch pots just as soon as they are received, the earlier the better, using a rich lively loam and avoiding fresh manures. Plunge the pots up to the rims in a frame of spent hops, ashes or any other material at hand. Their annual autumn growth will soon begin, when water should be freely given and growth encouraged as much as possible, which will continue until the ground is frozen.

On the approach of frost, cover with dry leaves or straw, and cover the frames with sash or shutters, using great care to exclude heat which might stimulate untimely growth. As this growth made early in the fall in a measure is essential to their flowering well during the season, they must not be allowed heavy freezing, so that the condition may be such that the pots can be got into the house during the winter. They can be brought in at any time after having a slight rest. It is better not to start them too soon. About January 1 would be time enough and then on in succession.

It is quite essential for them to have plenty of light and air, and they should be grown in a cool greenhouse. If crowded or grown warm they will become weak and spindly and quickly become a prey to all insects, besides spoiling the beauty of one of the finest lilies grown. A house with a temperature of 60° by day and 40° by night, will bring them into bloom in about ten weeks. They can be brought along in less time, but at the expense of both plant and flower.

If good home bulbs can be had they are preferable to imported ones, as the latter quite often are injured in transit by heating. Another reason for this is that all vegetation in this country is more rapid than in France, where these bulbs are principally grown for the American market. Here the bulbs have a much longer rest and develop their growth in a much shorter period. The consequence is the bulbs grown here will come into flower much sooner after being brought into the house from the frames than those from foreign countries.

While this is the best method of growing them, the common one is to take the bulbs as imported and pot them, from October 1 to December 1, plunging them in the same manner and in all respects the same way. Of course, this does not give the bulbs time to fill the pots with roots or to make the preliminary or fall growth so essential to their flowering and perfect development. If a florist grows his own bulbs they can be potted up August 1 and they will soon commence their season's work.

What soils do lilies require or in what kind do they succeed best? This question is frequently asked and to many it seems a vital point. My opinion, based on years of experience, is that the condition of the soil is of more importance than its character, and it is upon the former that success largely depends. I have grown lilies in every kind of soil, from the lightest sand to the heaviest clay, and have met both success and failure in all their various characters. My preference is for a light to medium loam, because in it propagation is more rapid and in almost every case perfect flowers are the result of perfect development of the plant. Should I not have such a soil, I plant in whatever I can get, knowing full well that the soil that will produce good garden and field crops will also produce good lilies.

It is a great mistake to think that each and every plant must have a certain soil of specific character in which to grow in order to have perfect development. It is true that any plant will do well in a soil congenial to it or one similar to that in its native habitat, but it is equally true that it will do well in other soils, where other conditions are favorable. Plants do not live on soil; they live in the soil. It is their home. The soil contains certain elementary substances that contribute to the growth of plants. The atmosphere contains an equal number. The two acting together make the plant. These conditions in any given locality always exist; consequently, whether you have a clay or a sandy soil you will have in the atmosphere conditions favorable to it, so in either case the results will be the same. In one case you will have to use more labor and, on the other hand, more manure to accomplish the same purpose.

The mission of the bulb is to sustain the plant until there is root and leaf development sufficient to carry on the work. The bulb is simply a storehouse of food laid up by the plant one year for the commencement of its labors the next. The plant derives its sustenance far away from the bulb and will increase in size and strength in proportion to the amount of food in store for it, until it has reached its maximum growth If a good, strong, healthy bulb is planted in a rich soil, a correspondingly strong plant will result which, in its turn, will make a number of strong bulbs for the perpetuation of the species. It is quite important to have the soil above the bulb as it is below, as most lilies feed near the surface through their many rootlets, thrown out from the stem, just above the bulb. The pots should be well drained.

Soon after flowering the pots can be put in any out of the way place, either in a cool shed or under the benches, there to remain until the bulbs are planted out in the field in spring, for future use. There they should be liberally treated, both in plant food and cultivation. Bulbs that have been forced in the greenhouse should have a rest of at least two years and those contemplating growing them should have a double supply, so that they would only draw from the ones that have been in the field for two years.

C. H. RONEY.

AURORA, ILL.—J. M. Smely has had a good season and is contemplating adding to his glass. He says spring work promises well.

Tribulations of the Florist's Employe.

[A synopsis of the paper by Eugene Oestreicher, of Mt. Clemens, Mich., read before the Detroit Florists' Club May 7, 1902.]

My subject is a rather hard one but, in the first place, I think that we employes would have no troubles whatever and be as happy as larks if it were not for the employers. They certainly make all our troubles. Suppose we start at the beginning. When the apprentice comes on the place he is considered of little use, which is all right for six months or a year, but after that give him some kind of a show. In this business, as we all know, a person must learn more by observing than by simply being shown or told. If he is not observant by nature, why, he would better direct his path to some other enterprise.

Now, in order to be brief, let us say that the apprentice has proved to be honest, capable and faithful. I think it would be well for the employer to advance him accordingly, thereby promoting the interest of the employe as well as his own. Otherwise he goes out into the world. Right here his tribulations begin. No matter where we go, we find that every employer has ways different from others, on which he insists. Therefore it is a necessity that the grower learn the peculiarities of his employer and conform to them. Once together it takes time for the employe to get acquainted with the nature of the soil, the water and in fact the whole surroundings. After all these points are well impressed upon the former's mind, it is in order for the employer to judge and treat the man accordingly.

In my opinion I think it best for an owner to divide his place into sections, and have a good man for each. If the place is small, divide into two sections, and so on, arranging it so that each person has enough and not too much to do. By so doing, all the stock is properly gone over every morning and treated as it ought to be; the cutting is done in good season, for the section man knows exactly what is fit to cut. This also applies to the watering. One man watering one day, and another man the next, makes a longer and more uncertain job of it, but this applies more to roses than either carnations, violets or chrysanthemums.

Now why, if these ways and plans are adopted, should there be any trouble? But right here it comes in. A section man's stock may be doing nicely when the employer or manager takes it into his head to do a little bossing. The grower must, with a smiling face, in order to keep peace, follow orders but take the consequences if things go amiss, for I have, during my travels, run across men, proprietors, managers and foremen, who professed to be florists, but did not have enough practical knowledge to deserve that name. Such men are likely to take the credit when things go well but shirk the blame when there is trouble. The grower is discredited among those who only hear one side of the story and finally he gets his "vacation."

Employers should take an interest in their employes and show appreciation for what may be worthy of it. They will find that a kind word now and then will go a long way in holding the interest taken in the business by the help. A person cannot do his best work for another's interest if he feels that the boss thinks, "Well, I do my share by paying him his wages." Then there is another point. If a grower promises to pay a man every so often he should do so and not make it a business of paying a little now and then. But of course we employes understand, or ought to, that the necessary cash does not hang on every bush.

For the employer's side of the question I want to say that I don't think much of a man who simply works for pay day, a "clock watcher" who may start sharp on time but is sure to quit when the closing hour strikes. Neither do I believe an employe should be expected to do more than is reasonable. Pressure often necessitates that a person work overtime, and he should be willing to do it, but he does not feel as if it should be a daily occurrence, especially when he gets no compensation for overtime. I have in mind a man who worked his help pretty steady all day at the wheelbarrow and after supper the employe chanced to see a newspaper and stopped to glance it over. It was only a minute before the employer came along and remarked: "Have you time to read a paper? I haven't!" Pleasant, wasn't it?

Then again, one runs across the place where an employe must sleep in the boiler shed, potting shed or any old corner and be ever ready for duty. This is bad enough on a full stomach, but when it comes to the way some people feed their help, well, it accounts for the fact that some florists are always needing men. But the greenhouse business, as you are all well aware, has made great headway in the past few years and the condition of the employe is steadily improving. In general he is well housed, well fed and fairly well paid but I dare say that there are not enough persons learning the business in a thorough manner, in proportion to the glass put up.

WREATH OF LEUCOTHOE, HYACINTHS AND ROSES.

(Artist, Henry Morris, of Syracuse, N. Y.)

THE S. A. F. AND THE SOUTHLAND.

ASHEVILLE, THE CONVENTION CITY.

It appears that the northern idea of Asheville is somewhat indistinct and undefined. The S. A. F. convention of 1902 will not be held in a typical southern city, nor is that section of country at all like the sunny south, as most northern people picture in their imagination. Asheville is over 2,000 feet above sea level and fully 300 miles from salt water. We are on a broad plateau in the Blue Ridge mountains, the spot made famous as the "land of the sky." We have no sandy lands up here, neither do we grow cotton or cane. We have cold weather in winter and warm weather in summer, the same as you have in Chicago and New York, but we don't go to such extremes. The climate is equable and delightful, the nights are always cool and our hotels are patronized by the best class of pleasure seekers, both summer and winter. Our principal products are corn, wheat, oats and tobacco.

There are three commercial and one semi-commercial florists' establishments in Asheville. The Battery Park greenhouses have about 4,000 feet of glass, where they grow the bedding and decorative plants used in and around the Battery Park Hotel, besides some roses and carnations and very fine violets for the trade. Paul Embler is in charge of this place. E. E. Brown is proprietor of the Brownhurst Greenhouses on Oak street. He has about 6,000 feet of glass and grows a full line of bedding plants, also roses, carnations and violets.

Connelly's is a private place of about 4,000 feet of glass, but the gardener, Ernest Kerstein, sells what the family does not use. He grows carnations, bedding and pot plants and also the best violets ever seen in this city. The Idlewild Floral Company has 13,000 feet of glass, three houses of carnations, one of roses and two of miscellaneous stock. Some violets are grown in frames. They have quite a shipping trade with near-by towns, especially in South Carolina.

Another point of interest which will be shown S. A. F. visitors is the Biltmore nursery, about two miles south of town. Here are propagated all the plants used on the Vanderbilt estate, and also for sale It is a very extensive establishment. Of course it is understood that this is a resort town and that our trade depends almost entirely on visitors. In fact, Asheville without the health and pleasure seekers would be nothing but a mountain village.

As to what the florists of this section will do for the success of the S. A. F. convention, remains to be seen. It is yet too early to prophecy, but I believe that there will be a large increase of membership from the south. I have not learned positively that any from this section will make displays in the trade exhibition, but I think that we may depend on the Berckmans Company, of Augusta, and on James M. Lamb, of Fayetteville, to show us something of their specialties. We are making every preparation for a large attendance at the convention and can assure every member of the society that he will be amply repaid for coming here in August. J. W. C. DRAKE.

ROSE HOUSE OF JOHN WOLF, AT SAVANNAH, GA.

JOHN WOLF, OF SAVANNAH, GA., IN HIS CHRYSANTHEMUM HOUSE.

THE FLORISTS OF SAVANNAH.

Many northern florists who visit Asheville at convention time will undoubtedly take occasion to make a trip through contiguous territory in the south. This will bring them to Savannah, a typical southern city of 65 000 population, of whom about 40,000 are white, the others negroes. While Savannah was a metropolis in antibellum days, it is showing the progressive spirit of the new south, and rapid improvement has been seen in the last few years. It is about 225 miles southeast of Asheville and the principal sea port south of Norfolk, with steamer lines to the seaboard cities and New York, also to Europe.

There are four florists in Savannah. Gus. Kiesling, who grows mostly pot plants and makes up funeral designs. He has no store in town and sells everything at retail from the greenhouses. The next is George Wagner, who has a store in the city and sells his products there. He grows pot plants and cut flowers and makes violets a specialty. A. C. Oelschig has one of the largest ranges of glass in the city and makes a specialty of rubber plants, of which he produces about 20,000 yearly, shipping them out of the city. He also does a general retail business, making up floral designs and doing a great deal of decorating. He has the contract by the year to furnish all the decorations in the De Soto Hotel, the largest in the city, accommodating 500 guests.

John Wolf is the youngest and one of the most progressive florists in the south. He is 31 years of age and has been in business only since 1895, starting with his few dollars of capital invested in hotbed sash. From this small beginning he has built up an establishment of 22,000 square feet of glass. He grows large quantities of bedding plants and also considerable quantities of cut flowers. Carnations are his specialty and of these the northern visitors will find many well-known varieties. Mr. Wolf, thinks White Cloud the finest white carnation yet produced, and he grows them all to good advantage. He also grows American Beauty, La France, Perle, Wootton and Kaiserin among roses. Another of his specialties is lily of the valley, of which he has forced this season about 30,000 pips, shipping the stock mostly to near-by towns. This fall he will have about 4 000 chrysanthemums, 3,000 of which will be grown to single stem, and the remainder in 6-inch and 7 inch pots.

Mr. Wolf believes that bringing the S. A. F. convention to Asheville will increase the southern membership, and he has set the example by forwarding his membership fee to Secretary Stewart All the florists of Savannah will be at Asheville.

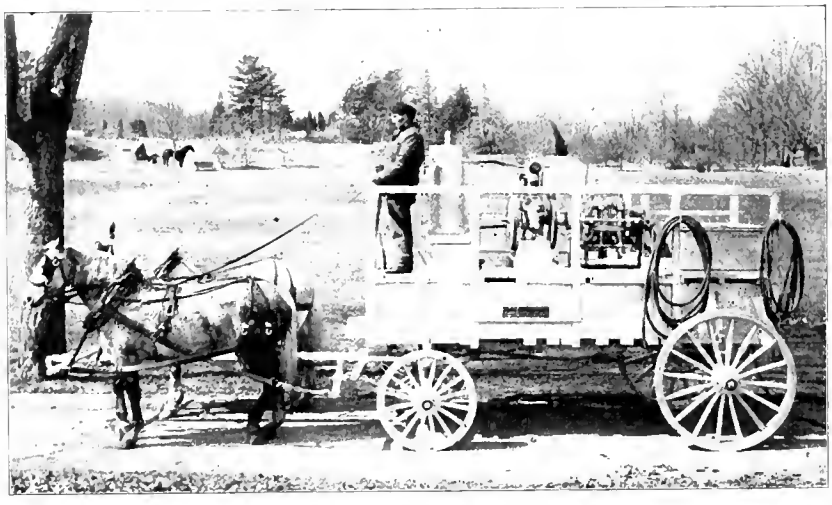
Spraying Outfit for Florists.

The appalling injury to fruit and shade trees in recent years by the attacks of destructive insects and the widespread agitation as to ways and means for subduing these pests opens the way for at east one enterprising florist in each community to add a safe and profitable department to his business. That an outfit similar to the one illustrated herewith will quickly pay for itself as soon as tree owners learn the value of its work cannot be doubted and several florists in the vicinity of Boston have already taken steps to equip themselves with complete spraying machinery preparatory to installing the new department of insect destruction as a regular branch of their business.

The outfit shown in the illustration is the one in use in the Boston park department and was constructed under the direction of Superintendent Pettigrew. The intent is to secure a solid stream that will break into spray at a distance of twenty-five to thirty feet away from the nozzle. This machine will operate three of such streams but two are as many as can be conveniently worked, as trees are not usually found within convenient distance for three nozzles, with a machine that covers the ground so rapidly. The solid stream recommended may be somewhat wasteful of the spraying solution but the saving in time and labor will more than offset this loss. Mr. Pettigrew furnishes the following specifications of construction and cost of his outfit:

"Rectangular tank, made of 2 inch clear cypress. The dimensions are 12 42 feet by 35 inches by 1.45 feet. The capacity is 470 gallons. Mounted on common utility wagon drawn by horses. Engine and pump mounted on tank. The engine is one and one-half horse-power Fairbanks Morse, gasoline, No. 12835, with both ignitors; special tank base; six cell Acme dry battery; water tank and full equipment. The cost was $160. The pump is 2½x3 inches, figure 50, triplex, No. 12222, with special bronze plungers. Fitted with air chamber, and coupled to engine by a 5 inch Moore & White friction coupling with lever straps The cost, including coupling, was $172 75. The engine and pump are guaranteed to deliver, continuously, twelve gallons per minute, against a pressure of 110 pounds per square inch. The engine, pump and fittings were furnished by the Chas. J. Jager Company, Boston. The tank was made by park department carpenters and cost $70, and the apparatus was put up by the park machinists. The hose connections are at the rear, so arranged that the couplings can be easily reached by a hoseman standing either on the ground or on top of the tank. The safety rail around the tank is provided with hooks for carrying ladders."

This machine would operate ten or twelve of the ordinary Vermorel spraying nozzles, but of course their use from one tank would be impossible—work could not be found for them to do. The majority of trees in streets and gardens can be reached from the ground, by the use of such power sprays as represented in our illustration, and the remainder from a location probably thirty or forty feet up in the body of the tree. The machine, when pressed a little, is capable of throwing a stream sixty feet high.



APPARATUS BUILT FOR SPRAYING IN BOSTON PARKS.

SPRAYING APPARATUS AT WORK IN BOSTON PARKS.

About Injurious Fungi.

When the rose grower notices the edges of the younger leaves of his plants curling and blister-like elevations appearing, usually covered with a powdery substance, he knows that mildew is at work and proceeds forthwith to produce sulphur fumes in the house. Black spot may also appear and knowing that sulphur is not efficient here, he picks up all leaves that have fallen, removes affected ones from the plant and burns them, as well as ordering a general cleaning up about the houses. The remedies are sufficient. The diseases, however, are merely checked, not eradicated. No amount of fumigation will restore the shrunken, mildewed leaf or remove the black spots. These and numerous other diseases are the work of fungi and, while experienced florists are well acquainted with the cause and remedies, not all have stopped to investigate the "why."

A fungus is a plant, a plant without leaves, stems, flowers or seeds, but none the less a plant. A more important point of difference is the absence of chlorophyll in the fungus. Chlorophyll is the green substance found in the cells of higher plants, which enables them to transform the inorganic elements of air and soil into organic elements—plant tissues. As chlorophyll is the only known substance that will accomplish this, it follows that fungi must depend upon organic substances (plant tissues) for their existence. The various mushrooms and toadstools are fungi and, while these may appear to spring from the ground, they are always nourished by decaying organic matter present in the soil. Every plant affected with a fungus bears within its tissues millions of these microscopic plants, parasites, sucking its life blood.

The principal parts of a fungus plant are the hyphæ and spores. The former are delicate, thread-like organs which grow either singly or in bundles, penetrating the tissues of the affected (host) plants and not only appropriate the food of the host, but cause a breaking down of the cells. Collectively the threads are termed the mycelium. This is the vegetative or growing portion of the fungus and corresponds to the stems and roots of higher plants. The spores are minute, dust-like bodies usually appearing on the surface of the affected plant. These spores perform the office of seeds and under proper conditions germinate and send filaments into the tissues of the

VIEW IN CENTRAL PARK, NEW YORK CITY.

plants on which they alight and thus perpetuate the species.

Fungi are of two kinds, those that feed on dead or decaying organic matter, like mushrooms, and those that feed on the living tissue of plants. The first named are termed saprophytes, the second, parasites. The parasitic fungi, at least those that concern the florist, may be classified first as "surface" fungi, or those that develop mainly on the surface of the host plant, sending short, root-like hyphæ through the epidermis or skin of the leaf to serve as feeders, as the mildew of the rose, the powdery substance on the leaves being evidence that these parasitic plants have matured and formed their fruits (spores) which may now be dislodged by syringing or other means and fall upon healthy tissue to begin afresh.

In the treatment of diseases of this class it will be evident that a thorough application of some fungicide, as sulphur fumes or a solution of liver of sulphur, the parasites being almost wholly exposed to its action, may be destroyed. In the second class, represented by the black spot of roses, the various spot diseases of violets and other plants as well as the carnation rust, the parasitic plants develop almost wholly within the tissues of the host plants, merely sending short branches to the surface, bearing the spores. These diseases then are more than "skin deep" and when they have once obtained a foothold, may not be eradicated by any amount of spraying any more than typhoid fever or smallpox may be eradicated by drugs. The remedy, if any, must be preventive in either case. The prevention may lie in maintaining the plants or individuals in a high state of health or vigor, thus enabling them to withstand the disease, or else in the application of some substance that will prevent the entrance of the disease.

In the case of plants, this is accomplished by timely applications of Bordeaux mixture, carbonate of copper solutions or other fungicides to prevent the germination or growth of the spores that alight on the plants.

Spraying, however, is not in general favor with florists, nor indeed is it either necessary or desirable as a rule. We have well nigh absolute control over the conditions of heat and moisture at least, if not of light, and we should aim to make these conditions fit the plants.

Prof. Galloway in his excellent work on violet culture says: "Theoretically it will be understood that if the needs of the plant and the environment were exactly balanced, perfect growth would result. * * We cannot of course reach this ideal, but we can approximate it."

Too much moisture with a high temperature in the rose house, causes a rapid, soft growth; when this is checked by sudden changes, the ever-present spores of mildew find congenial and non-resistant medium on which to work and the disease is established.

The punctures on the leaves of carnation plants caused by insects, allow of the entrance of the spores of various diseases. Softening of the foliage of violets by tobacco smoke or water fits them for the ready reception of spot. It is probable that any cause that leads to the softening of the outer layers of the stems of carnation plants permits the entrance of the mycelium of the fungus causing stem rot.

A close, moist atmosphere in the propagating house furnishes favorable conditions for the growth of the various fungi causing the damping off of cuttings. The spores or germs of the bacterial disease causing the black rot of geranium cuttings (and sometimes of mature plants) are ever present on the plants awaiting favorable conditions for development. FREDERIC CRANEFIELD.

CARNATIONS.

THE SEASON'S SUCCESSES.

Some last impressions as to the merits of the different varieties under trial the past winter, by various growers from different sections, together with their ideas as to the cause of success or failure of certain varieties would be of incalculable benefit to us for next winter's culture. Personally I have had but a few varieties under culture the past winter but in order to start the ball rolling will give my own experiences.

In white my signal success was with Queen Louise. It began flowering early in September and has not known a lazy moment since that time. The blooms have been the equal of White Cloud in size, substance and stem, in fact, better than I have ever been able to do that variety. The calyxes have not split to any extent, less than ten per cent, and altogether it is the best white I have tried for a number of years and shall be my main dependence for next winter's cut. I attribute my success with this variety to the fact that I grew it in a very stiff soil

with plenty of cow manure added and no other fertilizer, with the night temperature at as near 50° as possible.

Lorna up to January 15 was as fine a lot of grass as I have grown for some years. After that date it began to make some flowers and for February and March was very productive. The flowers were ideal in almost every respect and for the grower who can get it into full bloom for the holidays it is certainly a grand variety. My failure with this variety is an open question. It may be that benches instead of solid beds would have given better results, or possibly it did not like the stiff soil I used.

In pink Ethel Crocker is, of course, head and shoulders above every other variety, but as there seems to be but a half dozen growers in the country who can handle this variety it is hardly to be taken into consideration. Next to Crocker I find Dorothy a good and profitable sort. Early in the season it did not give so much promise, as the flowers were not my ideal, but with the season's returns before me it shows up much better and also shows that there is no use in any one grower thinking his idea of an ideal carnation is the correct one. The deep fimbriation, which was an objectionable feature to my mind, seems to be an object of beauty to others, and from every other point it is a good variety to grow. The flowers improve every day for a week after being cut, if they are cut as soon as open. The stem is about right for gracefulness and, like Queen Louise, the variety is always in bloom from September to July. It seems to require no special treatment, except to be pretty well fed, and the temperature kept below rather than above 50°.

Genevieve Lord, in my solid beds, has proven a failure, as, beyond the fact that I get very good flowers on very good stems, their number is not nearly enough to make it a paying variety. A few Irene at the end of a house, with no particular treatment, gave a fair number of moderately good flowers and it certainly fulfils the claims of its introducers as to keeping qualities. It might be a valuable sort for some of the growers who have trouble in getting their flowers to market in good shape, and for long distance shipments.

Of light pinks I had but one on actual trial, and that was Morning Glory, a medium-sized flower but with an ideal stem and in point of early and continuous blooming it pretty nearly fills the bill. It is not a good keeper and has to be cut as soon as open in order to reach the market in its best shape. This was, perhaps, the fault of being grown too warm, as there was but a portion of a house. Next winter, with a full house of it, the temperature will be kept to 45° or lower and pretty liberal feeding given.

Elma is a fine large flower but grown in a cool end of the house, with not the best of light, it did not make a good stem nor enough flowers, nor did it keep any better than Morning Glory. With Mrs. Higinbotham for next winter and Enchantress to follow, it will hardly pay to experiment much in an attempt to get either of the above two to perfection.

Estelle so nearly fills the bill for scarlet that there is no need of any other unless longer stems are wanted, and then Crane can be grown. Estelle seems to give best results planted early, given good liberal feeding and a temperature of 50° to 55°. Adonis will of course supersede all others of its color but Estelle will be grown for some years by the man who wants quantity of bloom at a minimum expense.

Golden Beauty may not be the ideal yellow in every respect but the flower is so near old Buttercup with the habit 200 per cent better that it may be one of those that last. It seems to do well with any sort of treatment if kept at a temperature of 50°.

Gov. Roosevelt so well meets requirements among crimsons that there really seems no need of a better one for several years to come. It is productive from early in the season until late, and the flower is perfect in form, the stem perfect in strength and its keeping qualities far beyond the average. With liberal feeding and a temperature of 45° this variety seems to give the best results.

The only fancy sort on trial was Prosperity and it certainly is true to its classification from every point of view, grown, as I attempted to grow it, on solid beds in a temperature of 50°. It gave a small crop of flowers, pure white in the early fall and then produced nothing but growth until the first of April, with a full crop under way now. If I could get the crop that is coming now for the winter months it would pay, but with an average of less than a dozen flowers per week from 750 good, healthy plants from October 15 to April 1 there is no profit in it. Possibly grown on a bench it might have shown very different results. As a flower it certainly is worth the trouble of a little experimenting to get it to pay and next winter I shall try a few under different processes.

My successes are Queen Louise, Crocker, Dorothy, Morning Glory, Estelle and Roosevelt, not a very big list but one figured from a "dollar and cents" point of view. While I am as great a carnation enthusiast as the next one, they have got to pay me in dollars and cents if I am to continue in the business of growing them.

ALBERT M. HERR.

Chicago.

SPRING GLUT IS ON.—OUTDOOR MATERIAL FLOODS THE MARKET.—LILAC IN UNWIELDY QUANTITIES.—ROSES SHOW THE EFFECT OF WARM SUN.—MUCH GRADING NECESSARY.—CARNATIONS HARD TO MOVE.—RATES VERY LOW ON CLEAN-UP SALES.—STREET SALESMEN MISSED.—COMPARATIVELY FEW FLOWERS FOR PALMER FUNERAL.—PÆONIA SEASON EARLY.—DEATHS IN THE TRADE.—DOINGS OF WHOLESALERS, GROWERS AND OTHERS.

Following a week of very good business has come the spring glut. It began on Monday morning and the end is not yet in sight. The turn to warm and bright weather has been largely responsible for the prevailing state of affairs, for all kinds of stock have come along at a pace which has been completely beyond the possibilities of the market. Shipping trade has fallen off, for all the outside points are supplied with outdoor spring flowers, and local buying has been very light for some time past. With the warm weather came a deluge of outdoor material from the south. Seldom have heavier shipments of lilac been received than in the past week. It has come almost by carloads and, where the first lilac met with excellent sale, the vast accumulation of the last few days has been practically immovable. In a great many instances it has not even realized express charges. All the other spring flowers have been in similarly augmented supply and they have crowded roses and carnations to the wall. Where it looked last week as though Beauties were shortening up sufficiently to warrant an early increase in prices, they are now again so plentiful that they are well sold at considerably lower figures than have recently been quoted. The stock requires a great deal of grading to get out shipping material and these selected goods still bring fair prices, but the average is very low. The same may be said of all roses. The cuts have increased materially and qualities are deteriorating, so that things are about down to the summer level. Selected roses still bring from $4 to $6 per hundred, but the balance of the stock has to be jobbed off at any price it will bring. There are literally wagon loads of carnations in the market, a very large proportion of which are first-class stock; but they do not sell. The demand is not sufficient to consume anything like the quantity received in the last few days. The result is that clean-up sales of left over material are being made at from 10 cents to 15 cents a bunch. It is in this particular that the street fakirs are missed. Favored by such weather as that of the past few days, there is practically no limit to the amount of material they could sell on State street, but, while most of them are well situated in small or temporary stores, they cannot handle anything like the quantity of stock now that they are compelled to draw their customers indoors. There are still considerable quantities of bulbous stock about, because the outdoor cut is on, and there are, too, big supplies of violets and pansies which are difficult to move. The green goods market is also easier, smilax being fairly plentiful, adiantum likewise, and asparagus selling well, particularly Sprengeri. The turn to cold Friday has served to shorten up supplies somewhat and restore normal conditions.

The leading retailers were mostly disappointed in the business created by the funeral of Potter Palmer, on Wednesday morning. Mr. Palmer was one of Chicago's pioneers, one of her best known and wealthiest citizens, and it was to have been expected that the floral tributes at the obsequies would make an extraordinary showing but, the family did not encourage a lavish display and the flowers were not numerous, although some very good work was done. Fleischman had the family order and made a very handsome casket cover, among other things. Friedman made a piece for Marshall Field, but Wienhoeber had rather the largest share of the work, being located near the Palmer residence. It was all work which required the very highest grade of stock but the quantity consumed made no appreciable impression on the supply in the market.

In an appreciative account of the J. D. Thompson Carnation Company and the new variety (Enchantress) recently acquired by that concern, we find the following, from the *Mercantile and Financial Times* of April 26: "The J. D. Thompson Carnation Company, by virtue of its strong financial stability and unsurpassed facilities for cultivation, occupies a position of conceded supremacy in the world of horticulture, and its newly acquired possession is merely a feature in a notable career. Moreover a notable element to the success of the organization is contributed by the capable judgment and rare discrimination of its president, Mr. John Lambert."

A. Kennicott says that the pæonias are fully ten days earlier than usual this year. At his son's place at Carbondale they were cutting 300 dozen a day at the end of this week and next week they expect to be sending in at the rate of a

thousand dozen a day. The early blooms are very fine. At Mr. Kennicott's home place at The Grove the season is even earlier relatively than it is at Carbondale. It will necessitate carrying the stock a little longer than usual in cold storage.

E. A. Kaust announces that the American Rose Company, of Washington, D. C., has offered three prizes, $100, $50 and $25, to be competed for at the autumn show of the Horticultural Society, for fifty cut blooms of the Ivory rose. It is required that the blooms be exhibited by the grower and must be from plants purchased from the American Rose Company or authorized agents.

Ernst Hertel died Sunday, May 4, at the family residence at 150 Clybourn avenue. He was 57 years of age, and the husband of Mrs. Auguste Hertel, under whose name they have conducted a very prosperous retail business. Peter Reinberg sent a handsome wreath to the funeral on Wednesday. Mrs. Hertel expects to continue the business as heretofore.

Louis Gregor, who was a partner of A. B. Everett in the Harms Park Floral Company, cut his throat with an ink eraser in the Wrightwood avenue station of the Northwestern Elevated Railroad last Saturday morning after having made an unsuccessful attempt to jump in front of a moving train.

The next meeting of the Florists' Club will be held May 14. It is expected that a paper will be presented on garden plants and spring planting and efforts are being made to get together a display of plants suitable for window boxes.

Geo. Reinherg has his new range of houses almost completed. The carnations are all in the field, many hundreds of thousands of them, and rose planting is progressing rapidly. His place is in very nice shape this spring.

E. E. Pieser says that the wreath is the fashionable floral design just now. He reports the call for frames for wreaths to be practically equal to the combined sale for all other designs in their wire department.

The Chicago office of the White Enamel Refrigerator Company is now located at 1260 Old Colony building. They are selling a great many florists refrigerators.

At E. H. Hunt's they say it is remarkable the way the carnation has sold all through the season. Its popularity seems steadily increasing.

Leonard Kill celebrated his thirtieth birthday anniversary May 7 and had the assistance of a party of friends at his home in the evening.

E. C. Amling is receiving some very fine cattleyas, C. Mossiæ and C. Mendelii. They were in great demand for the Palmer funeral.

C. Paasch has sold his Lincoln avenue property to Neilsen & Son, but will continue his retail store at 224 Clybourn avenue.

The picnic of the employes of Vaughan's Seed Store has been postponed on account of the cooler weather.

Peter Reinberg has planted out eleven acres of carnations and has the stock for two acres more.

Reinberg & Weiland are sending up large quantities of sweet peas from New Castle.

Kennicott Bros. Company received the first pæonias of the season May 3.

C. W. Scott, of Vaughan's, is at home from a trip to the Pacific coast.

Visitors: A. C. Brown, Springfield, Ill.; J. A. Pettigrew, Boston; Alfred Dimmock, St. Albans, Eng.

Philadelphia.

CUT FLOWER TRADE BEGINS TO SHOW EFFECT OF DEPARTURE OF THE ARISTOCRACY TO SUMMER HOMES.—BEDDING PLANT BUSINESS EXCEPTIONALLY HEAVY.—ALL ABOUT THE PRICES.—THE CLUB MEETING.—SMOKERS PLANNED.—SILVER CUP SHOWN.—VARIOUS NOTES OF LOCAL DOINGS.

The May meeting of the Florists' Club had a rather slim attendance. Even the essayist of the evening failed to put in an appearance. A representative of one of the railroads to Asheville was present and spoke of how his company would care for the delegates if they would come their way. The fare from Washington round trip would be $14, which, with the regular ten day round trip ticket from this city to the capital, $6, would make the entire fare only $20. The train leaving here Sunday evening will land passengers in Asheville the next afternoon. Adolph Fahrenwold placed on exhibition the Lord & Burnham $250 challenge silver cup that he won at the national rose show in New York last March. It was much admired and will adorn the cases of the club, along with the other trophies for a little time. Mr. Fahrenwold thinks our meetings are not lively enough and moved that each one, or nearly all, adjourn into a smoker, which was endorsed by the club, and from now on things are to be different. As George C. Watson was absent in Boston the essay committee decided that for next meeting we are to have "What I saw about Boston," by the "sage of the Ginger Jar."

In the retail cut flower stores trade has commenced to fall off as already the shutters in the residence districts are beginning to go up and country homes are being occupied for the summer. Cut flowers are plentiful, Beauties being very much in evidence. They have to be sold and as a consequence the prices range low; $1.50 to $2.50 is the price for the specials. Teas are quoted at from $4 to $8. Carnations are still in fair demand but the prices are getting lower, as there are more coming in than the market will take; $1.50 to $2 per hundred is the price, with a very few bringing $3. Violets have gone at last. Sweet peas now cut quite a figure and sell well, at from 50 cents to 75 cents per hundred for the pink and $1 to $1.50 for the white. Good outdoor valley is in and sells for from $1 to $2 per hundred.

The jobbing gardeners and bedding plant men are still at it all day and far into the night, trying to catch up with their orders. Prices for bedding plants are about as follows: Geraniums in 4-inch pots bring $7 per hundred, with a few asking $8. All other 4-inch stock runs about the same. Geraniums, fuchsias and so forth in 6 inch pots range from $2 to $2.40 per dozen. Plants in 2½ inch and 3-inch pots bring from $3 to $4 per hundred. Own root rose bushes in from 6-inch to 8-inch pots range from 20 cents to 40 cents each. Harris has some very choice Crimson Ramblers just coming in that sell at from 50 cents to $1 each.

Harry Bayersdorfer saw a prospective customer the other day. He had a bundle of flowers and a package of moss and wanted a wire frame. He was scared out when asked if he was in the trade, as Harry says it is a rule of the house never to sell to anyone outside of the trade.

John Westcott and George C. Watson were both missed at the club meeting. John was at Waretown, where the fishing season will soon open, and George is looking up his customers in Boston.

Now is the time to give orders for bulbs for fall delivery and don't fail to impress it on the mind of the dealer that the bulbs must be in a thoroughly ripened condition before they are shipped.

K.

New York.

TRADE SITUATION REMAINS WITHOUT CHANGE.—STOCK MOVING SLOWLY.—PEAS AND VALLEY THE MOST LIVELY ITEMS ON THE LIST.—FLORICULTURE LOSES A FRIEND IN THE DEATH OF CONGRESSMAN CUMMINGS.—NOTES OF PERSONAL AND TRADE DOINGS.

The late Amos J. Cummings was a great lover of flowers and was very fond of the society of flower cultivators. He was a staunch friend of the Society of American Florists and when that organization applied for a national charter he took the matter up with characteristic zeal and the assistance rendered by him in securing this, almost the last piece of legislation to which President McKinley affixed his signature, was indispensable. Recognizing the indebtedness of the florists of the United States to Mr. Cummings it was thought fitting that the S. A. F. should be represented by a floral tribute and so a handsome standing anchor was sent with the card of the national society attached. W. R. Smith, who was a devoted friend of the deceased congressman, came on from Washington with the funeral party.

The situation in the general cut flower trade remains about the same as last reported, certainly not improved and if changed at all it is for the worse. The strongest items on the list are lily of the valley and sweet peas, both of these moving in fairly satisfactory manner. Weddings are unpopular in May and so this very useful outlet for choice flower stock is not available at present but the steamer trade makes up in part for the loss. Outdoor lilac is a popular flower on the street but the quantity being received is hardly sufficient to affect the general flower demand to any great extent.

The New York Florists' Club will hold its regular meeting on Monday evening, May 12, notwithstanding that it is temporarily homeless. Unless the trustees shall have succeeded in securing a new meeting hall in the meantime the meeting will probably be held in the store of President Sheridan, 39 West Twenty-eighth street.

W. H. Gunther is having his store at 30 West Twenty-ninth street remodeled and an entire new front put in. It will be a great improvement and will afford a much larger area.

Geo. Golsner, of College Point, is bringing in a heavy crop of very nice Ulrich Brunner roses at present.

THE American Association of Botanists will hold its annual convention at Pittsburg June 28 to July 3.

MASON CITY, IA.—A. L. Wheeler, of the Wheeler Floral Company, is planning to add to his facilities this season by building three new houses, two 20x42 and one 25x42.

SPRINGFIELD, MASS.—Business the past week has been rather slow. There has been very little doing in funeral work and very little in society. Aitken had two wedding decorations the last week and has a good one booked for the coming week.

A. B.

THE AMERICAN FLORIST

SEVENTEENTH YEAR.

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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-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., Chicago.

THE price of glass has been advanced again about ten per cent, within the week.

ROSE growers are replanting at least a portion of their houses earlier and earlier each year.

THE death of Eugene Verdier, the well known French rose grower, is announced. He was 75 years of age.

THE Florists' Hail Association is rapidly approaching the 16,000,000 feet mark and is paying losses with its usual promptness.

THE Massachusetts Horticultural Society has assets of $840,283.37, according to the annual report of Treasurer Charles E Richardson, just issued.

WHILE the anticipated demand for bedding plants, particularly geraniums, is developing, don't put the prices so high that customers will hesitate.

THE Yellow Timothy Eaton chrysanthemum is the equal of its parent in bold decorative effect and a high commercial standing as a cut flower is predicted for it.

IT is a good time now to root crotons, just before you stop firing. Queen Victoria, Baroness Rothschild, Andreanum and Fasciatus are among the best all-around sorts.

THE mailing label on your paper shows when your subscription expires; when you send your renewal note that the date changes within two weeks; it will serve as your receipt.

AMONG the meritorious novelties is an ever-blooming and ever-fruiting strawberry. Robert Craig, who is growing it, recommends it, pot grown, as an effective center piece for a dish of strawberries on the table.

Gerbera Jamesoni.

There have been many inquiries with regard to the cut blooms of Gerbera Jamesoni, but A. Herrington, of Florham Farms, Madison, N. J., who has quite a large stock of the Barberton daisy in cultivation, says that he has not sold any flowers, although a leading New York retailer offered him $25 per hundred for all his cut. The flowers have thus far been used for exhibitions at the various florists' clubs. Mr. Herrington raised about 4,000 young plants last year and sold them to the H. A. Dreer Company, of Philadelphia, who will also get this season's lot of young stock.

The Only Way.

ED. AM. FLORIST:—Enclosed is my renewal of subscription. Reading your paper is about the only way I can keep up with the times. WM. WEAVER.

So. McAlster, I. T.

Greenhouse Building.

East Mansfield, Mass.—W. A. Staples, two vegetable houses 150 feet long.

Waukesha, Wis.—Robt. Schneck, two houses.

Milwaukee, Wis.—H. W. Koerner, range of houses.

Ilion, N. Y.—Hakes & Son, house 15x100.

Fall River, Mass.—L. J. Lawton, house 19x50.

Edgewater Park, N. J.—Jos. Gill, conservatory 21x60, one 15x50.

Montgomery, Ala.—St. Joseph's College, conservatory 20x50.

Altoona, Pa.—Myers Bros., range of houses.

Butler, Pa.—Mrs. Holt, one house.

Burnham, Me.—Fred. Fletcher, one house.

To Destroy Slugs or Snails.

ED. AM. FLORIST:—Can you tell me how to destroy slugs, or snails, as some growers call them? They look something like snails but have no shell.

N. E. B.

One of our readers states that he keeps toads in his greenhouses to keep down snails and other night raiding pests; another scatters lettuce leaves, sliced potatoes or sliced apples about the benches and catches the snails while feeding after dark, or under the bait the next morning, another uses bran as bait, placing it about on pieces of board, 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 them away.

Carnations for Indoor Summer Culture.

ED. AM. FLORIST:—Of these carnations, White Cloud, Flora Hill, G. H. Crane, America, Mrs. Lawson, Frances Joost and Marquis, which will do best planted in the house in June? G. F. M.

If I had this list to select from my personal experience would make me decide on The Marquis, for I firmly believe that this is the only way to get the best results out of this carnation, which, if given proper attention, will produce fancy, high grade flowers clear through the season. After Marquis I would recommend Mrs. Lawson, which is also a good one for this purpose. Of the other varieties Flora Hill is a good white for early work from the first of March on, but it is rapidly being outclassed. The same can be said of nearly all the other varieties. I would therefore advise the Marquis and Mrs. T. W. Lawson as the most suitable for indoor culture.

CHAS. W. JOHNSON.

The Street Stands.

Newspaper stands at street corners are a public accommodation. So are flower stands. There is no other civilized community which prohibits flower-selling wherever their sale violates no public right. The little flower shows of even the moldy cities of old Mexico are among their most precious charms. The flower markets of London, Paris, Vienna, Berlin, of every cultivated municipality in old world or new, constitute an index to the taste and refinement of the people. Only crudity, avarice or corruption can wish to rob the streets of Chicago of the enlivening dashes of color which little flower shows lend to our begrimed thoroughfares. The florists ought to welcome, not to oppose, the curbstone flower sales. Taste for flowers grows with familiarity. Every florist will find his counter trade increased by the curbstone sales.—*Chicago Chronicle.*

Cutting Back Solanums.

ED. AM. FLORIST:—I have some Jerusalem cherries (solanums) left over from Christmas. The plants are in 5-inch pots, and if cut back low, I wish to know whether they will branch and produce enough berries to be salable for next season, either planted out or grown on in pots? SUBSCRIBER.

The solanums in question may be cut back as suggested, and after they start to grow may be planted outdoors for the summer, where they will make much better progress than would be made in pots. It is probable, however, that young stock of this season's crop will prove more satisfactory than the plants that have been cut back, and I should prefer to depend on the young plants from the fact that they will grow away more freely, are less liable to become infested with insects, and will probably lift in better shape in the autumn.

W. H. TAPLIN.

Foliage of Violets Turning Yellow.

ED. AM. FLORIST:—I send you by mail under separate cover a violet plant which within the past month has turned almost yellow. Out of 1,500 plants, about twenty-five are starting to turn yellow. All the plants have been grown somewhat on the dry side. Please state cause and remedy. E. E. P.

A careful examination of the plants sent in by "E. E. P." show a little bud nematode and a great deal of botrytis, or bud or heart rot. It is not probable, however, that the botrytis has anything to do with the yellowing, which is probably due to some unfavorable soil condition. However, not enough soil was attached to the roots of the plants to enable us to judge anything in regard to its favorable or unfavorable condition. A lack of iron will cause yellowing, as will also an excess of lime or other alkaline salts. If "E. E. P." will furnish a detailed statement relative to soil and other conditions it is possible that the trouble can be diagnosed.

ALBERT F. WOODS.

Best Carnations.

ED. AM. FLORIST:—I am building a house 16x60 for carnations and, as I am a young man of little experience in this branch, I should be pleased to have your advice as to the best sorts, red, white, pink, yellow and striped, as all-around winter bloomers to grow in Arkansas in a temperature of from 56° to 60°.

J. H. K.

I would suggest as the best varieties for a beginner in most sections of the country, and I presume this would cover Arkansas, for pink, Frances Joost and Mrs. Lawson; for white, Queen Louise and Lorna; for red, G. H. Crane; for striped, Mrs. Bradt, and for yellow no one knows, as they are all an experiment up to this date, with the odds in favor of

Golden Beauty. These are, with the majority of growers, fairly sure of success and there is less risk in handling these varieties than some of those that might be termed higher class. When it comes to making a selection of the latter class there is no one grower can give intelligent advice to another, for it is entirely a matter of experiment with each grower as to what will pay in his soil and for his market. ALBERT M. HERR.

Damping Off of Lettuce.

ED. AM. FLORIST:—I have some Boston Market lettuce planted in cold frames during March and now nearly ready to cut, but they are damping off, at the root, just above the soil. I enriched the frames last fall with pure, well rotted cow manure, adding a little air-slaked lime. Can you tell me the cause of the trouble? ALEXANDRIA.

There are a number of diseases of lettuce known under the general term of "damping off" diseases, but from the information contained in the query I would judge that the disease referred to by "Alexandria" is the one properly called "damping off." It is caused by the attack of a fungus, which grows most rapidly in a moist, warm atmosphere, and is particularly encouraged by watering the plants in the evening, as there is then very little ventilation during the night. This fungus is quite abundant in many of our soils, and needs only suitable conditions in order to attack the plant.

We cannot suggest any very practicable remedy, but it is well known that steam sterilization of the soil will largely prevent it, where this may be done with profit. It is a matter of some expense to sterilize all the soil which may be used in a lettuce bed, but some of our growers are adopting this method as the only safe plan when once the houses and soil have become infested with this fungus parasite. It has been supposed that air-slaked lime is also a remedy for this disease, but we have found it to be only partially successful. B. M. DUGGAN.

Honoring the Dead.

In this country it is customary to honor the dead by placing flowers on the graves. In China a plate of rice is used instead of flowers, and this led to a rather interesting piece of repartee recently between a British tar and a Chinaman. Noticing the latter putting a pan of rice on a friend's grave, the tar inquired when the man was likely to come up and eat it. This query elicited a reply to the effect that the man would come up and eat his rice at the same time that the man came up to smell the flowers which the tar was in the act of depositing on an adjoining grave.—*Gardening World.*

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (six words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1902 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—By competent florist, as grower of cut flowers, palms, ferns and orchids; 21 years' experience; private or commercial; married. FLORIST, care Am. Florist.

SITUATION WANTED—As foreman and grower of cut flowers and plants. Have been foreman with prominent florists around Chicago for a number of years. Address FLORIST, Box 54, Hinsdale, Ill.

SITUATION WANTED—By rose and carnation grower, to take charge of section; 10 years' experience; married; 29 years of age. Ohio or Illinois preferred. State wages when answering. Address GROWER, care American Florist.

SITUATION WANTED—By practical florist and gardener; can grow roses, carnations, 'mums, violets and all kinds of bedding plants; 11 years' experience; private place preferred. Best of references. Address S H, care Am. Florist.

SITUATION WANTED—By a good, practical florist; 20 years' experience growing roses, carnations, chrysanthemums, etc., pot plants, design work; married. Good references. W. F. NORTH, 4849 Chestnut St., Philadelphia.

SITUATION WANTED—As foreman by thoroughly practical florist. Good decorator, designer, etc. Grower of No. 1 roses, carnations and 'mums. First-class commercial or private position. Good wages expected. Address G. FOREMAN, care P. O., Canton, O.

SITUATION WANTED—By good all-around man, 33 years of age, single, 18 years' experience in all branches—lawn, greenhouses, roses, shrubs, trees, etc. Private place preferred; best of references from America and Germany. Address S L, care American Florist.

SITUATION WANTED—By young man, age 24, single, Dane, who has an experience of 6 years as florist and gardener, in Europe and this country. Wants position on commercial place, where pot plants are at least partly grown. Address L, care American Florist.

SITUATION WANTED—As gardener and florist, first-class English experience in all branches of horticulture; also in the management of electric light plant, land and stock; 35 years' of age; married, no family; abstainer. Good manager of men and business. Highest possible references. Address with wages paid. C. AUSTIN, 2915 Garfield Ave., Louisville, Ky.

WANTED—A good, experienced rose and carnation grower. Apply with references and wages expected. A. F. BARBE, Kansas City, Mo.

WANTED—To lease, within 50 miles of Chicago, a place of 5,000 to 15,000 feet of glass in first-class condition. Address C W, care American Florist.

WANTED AT ONCE—Assistant in cut flower place; some knowledge of roses; also care of horse. $20 per month and board—good home. G. W. BEEARS, Reading, Pa.

WANTED—Florist with good references, to grow cut flowers and pot plants. Single German preferred. Address MRS. GEO. WALDBAUER, Saginaw City, Mich.

WANTED—Rose grower, to work under foreman; must be married man and understand his business. Send references and wages wanted to THE F. R. WILLIAMS CO., Cleveland, O.

WANTED—A good florist to grow roses, carnations, 'mums and general stock. $30 00 per month; board and room. State age and references. C. HUMFELD, Clay Center, Kans.

WANTED—Single man, well posted in carnation growing; $10 per week and lodging. Chance for increase to right man. Address J. LOUIS LOOSE, Cor. 13th and F, Washington, D.C.

WANTED—A steady young man, with a few years' experience, for general greenhouse work on private place; $20 a month and board. Give references. HARRY DONNELLY, Box 39, East Greenwich, R. I.

WANTED—A young man for retail florist place; must be well posted on ferns and palms; not afraid of work, and have A1 references. Address H. F. HALLE, 548 West Madison St., Chicago.

WANTED—Rose and carnation grower, to take charge of 20,000 feet of glass. Must be well recommended. State wages wanted with board and washing, also age. Address JOHN L. WYLAND, De Haven, Pa.

WANTED—A young man who understands something about orchid and fern growing. State where last employed and wages wanted, with board. Address J. M. GASSER CO., Euclid Ave., Cleveland, O.

WANTED—Immediately, an all-around, working florist; must be sober, reliable and industrious; capable of growing good roses, carnations and general stock. Good place for right man. Address E H G, care American Florist.

WANTED AT ONCE—Young man who has had experience in greenhouse work where roses, carnations, chrysanthemums and general stock is grown. Must be ambitious and sober. State wages wanted. Address SUNNYSIDE GREENHOUSES, Owosso, Mich.

WANTED—First-class rose grower to take charge of section. Best references required as to ability, character and sobriety. State wages expected when writing. Address THE J. A. BUDLONG & SON CO., 171 Canal street, Providence, R. I.

WANTED AT ONCE—Good all-around greenhouse man; must be well up in orchids and stove plants. Only those with good references need apply. Wages $35 per month with board and room. Address WM. THATCHER, Warren St., Brookline, Mass.

FOR SALE—Prosperous, up-to-date, growing florist business; established 12 years. Address for particulars, MRS. S. N. ALKIRE, Greenview, Ill.

FOR SALE—6 000 feet of glass well stocked, house, etc. All O. K. and in good order. Bargain; terms easy; other business. Address Box 53, Decatur, Ill.

FOR SALE—Dwelling and greenhouses (no stock), centrally located in city of 4,500. Long established, paying business; no competition; 3,200 feet of glass. Cause, death of owner. MRS. MARY BEZNER, Ex., Jerseyville, Ill.

FOR SALE—At a bargain, greenhouses, 25,000 feet of glass, land and good dwelling house, barn, etc., in best of condition and well stocked; near Chicago; owner going into other business. Address H G, care American Florist.

FOR SALE—25,000 feet of glass; established 15 years, 8 miles from city hall, Chicago, dwelling house, barn, wagons, tools, etc., all complete and at a bargain. Right man could make price asked in one year. Address CHICAGO, care American Florist.

FOR SALE — Florist's business. Well established and doing a good retail business. Located in one of Chicago's wealthiest suburbs; 25 000 feet of glass well stocked for spring sales. For full particulars and price address E, care American Florist, Chicago.

WANTED, A

Rose Grower.

Must be first-class, good wages to good man.

H. Dale Estate, Brampton, Ont., Can.

WANTED ROSE PROPAGATOR of more than ordinary SKILL. Must be thoroughly competent with cuttings and in root grafting; should understand hybridizing, crossing, etc. Useless to apply unless you have long experience and can show a successful record. Position permanent to man who can fill it. State wages expected, age, married or single, full particulars as to experience and furnish references. **California Rose Co., Los Angeles, Cal.**

For Sale at a Bargain

Greenhouses, 25,000 square feet of glass, all in good condition and paying well; within 20 miles of Chicago. Owner is going to retire from business. Address F S, care American Florist.

FOR SALE Business including two new greenhouses, 50x25 feet, well stocked with all kinds of plants. Houses are built in the latest and most improved styles. Store fixtures including an elegant soda fountain and all pertaining to it. Stock of palms and confectionery, chairs and tables for ice cream parlor. Right in the heart of the business portion of city. Established 5 years. Am the only one in the business here—population 40,000. Reasons for selling, I want to go west to friends. Write for particulars. **L. O'Sullivan, West Superior, Wis.**

SHIPPING LABELS FOR

....Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co.,

CHICAGO.

PRICE LIST.

BEAUTIES.	Per doz.
Long stems	$2.50 to $3.00
Medium stems	1.50 to 2.00
Short stems	.75 to 1.00
	Per 100
Brides	$3.00 $5.00
Maids	3.00 5.00
Meteors	3.00 5.00
Gates	4.00 6.00
Carnations	1.00 1.50
" large and fancies	1.50 2.00
Lilium Harrisii	10.00 12.50
Sweet Peas	.75 1.00
Violets	1.00
Valley select	4.00
Asparagus Plumosus, per str.	.50 .75
Asparagus Sprengeri	4.00
Ferns, per 1000, $2.50	.25
Galax per 1000, $1.25	.15
Leucothoe sprays	1.00
Adiantum	1.00
Smilax, per doz.	1.50 2.00

Prices subject to change without notice

WILD SMILAX

In Limited Quantities.

50-pound case, $8.00.
40-pound case, $7.00,
30 pound case, $6.00.

Orders Promptly Filled.

J. B. Deamud, 51-53 Wabash Ave. ..CHICAGO..

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Messrs. WILLS & SEGAR will attend to any commission from American florists for the supply of Cut Flowers, Birthday Flowers, Bouquets, High Class Floral Designs, etc., to their clients who may be traveling in England.

WILLS & SEGAR, Court Florists to His Majesty, The King.
ROYAL EXOTIC NURSERY,
TELEGRAMS, FLOECULO, LONDON. Onslow Crescent, South Kensington, LONDON, ENGLAND.

FERNS! FERNS!

Hardy Cut Ferns, Fancy, $1.10 per 1000; Dagger, $1.00 per 1000. Sphagnum Moss, 50c per bbl. Fine quality Fern Bulbs for planting. Bouquet Green Roping; also Laurel Roping, $4.50 per 100 yds. Northern Pine Trees for planting.

All orders by mail or dispatch promptly attended to. Cash with all orders.

THOMAS COLLINS, Hinsdale, Mass.

Frank M. Ellis,

WHOLESALE FLORIST,

1316 Pine Street, ST. LOUIS, MO.

CONSIGNMENTS SOLICITED.

H. G. BERNING

Wholesale Florist

1322 Pine St., ST. LOUIS, MO.

AMERICAN FLORIST ADS ALWAYS DO BUSINESS

Week days and every day, Sundays and holidays,

ALL OVER THE COUNTRY AT HOME AND ABROAD.

Wholesale Flower Markets

MILWAUKEE, May 8.

Roses, Beauty, long, per doz.	2.00@ 3.00
" " med. "	1.00@ 1.50
" " short "	.50@ .75
" Liberty	6.00@10.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	4.00@ 6.00
" Golden Gate	4.00@ 6.00
" Perle	4.00@ 6.00
Carnations, ordinary	1.00
" fancy	2.00
Callas	8.00
Harrisii	10.00
Lily of the valley	4.00
Daffodils	3.00@ 4.00
Tulips	2.00@ 3.00
Adiantum	.75@ 1.00
Smilax	18.00@20.00
Asparagus	65.00
Common ferns	.25

PITTSBURG, May 8.

Roses, Beauty, specials	20.00@25.00
" " extras	10.00@15.00
" " No. 1	4.00@ 6.00
" " No. 2	2.00
" Bride, Bridesmaid	1.00@ 8.00
" Meteor	1.00@ 4.00
Carnations	1.00@ 3.00
Lily of the valley	2.00@ 3.00
Harrisii lilies	8.00@12.00
Pansies	.50@ .75
Daisies	.50@ 1.00
Pansies	.50@ .75
Sweet Peas	.20@ .50
Smilax	12.00@15.00
Adiantum	.75@ 1.00
Asparagus	35.00@40.00

CINCINNATI, May 8.

Roses, Beauty	10.00@30.00
" Bride	2.00@ 4.00
" Bridesmaid	2.00@ 4.00
" Meteor	2.00@ 6.00
" Perle	2.00@ 4.00
" Liberty	1.00@ 6.00
Carnations	1.00@ 3.00
Lily of the valley	3.00@ 4.00
Sweet Peas	.50@ .75
Longiflorum lilies	4.00@ 8.00
Asparagus	50.00
Smilax	15.00
Adiantum cuneatum	1.00
Common ferns	.20

ST. LOUIS, May 8.

Roses, Beauty, short stem	5.00@12.50
" " long stems	15.00@25.00
" Bride, Bridesmaid	3.00@ 6.00
" Meteor	3.00@ 5.00
" Golden Gate	3.00@ 6.00
Carnations, ordinary	1.00
" choice	1.50@ 2.00
Sweet peas	.25@ .75
Harrisii	5.00@ 8.00
Callas	6.00@10.00
Lily of the valley	3.00@ 4.00
Smilax	15.00
Asparagus Sprengeri	1.00@ 1.50
" Plumosus	1.00@ 1.50

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

E. H. Hunt,

WHOLESALE.....

Cut Flowers

THE "OLD RELIABLE,"

76 Wabash Ave., CHICAGO.

The Cincinnati Cut Flower Co.,

416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

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Cut Flower Exchange,

WM. DILGER, Manager,
WHOLESALE COMMISSION.

Full line of Florists' Supplies and Decorations. Special attention to shipping orders.

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WHOLESALE FLORISTS and FLORAL SUPPLIES.

Receivers and Shippers of Fresh Cut Flowers.

Special attention to shipping orders. A complete line of Florists' needs. Send for price list. Prompt returns on all consignments.

128 N. Sixth St. MINNEAPOLIS, MINN.

Please mention the American Florist when writing.

C. A. KUEHN, Wholesale Florist,

1122 PINE STREET,
ST. LOUIS, MO.

A complete line of Wire Designs.

Pittsburg Cut Flower Co. Ltd

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FOR FUTURE BARGAINS.

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For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO.,
.....324 Dearborn St., CHICAGO.

In this early springtime it behooves you to think of your cut flower supply for

Decoration Day.

We are meeting all requirements in the line of present needs for funerals, weddings and other uses, and will be able to supply your needs for Decoration Day. Write us about what you expect to use and we will tell you what will be in market and the prices.

E. C. Amling

The Largest, Best Equipped and Most Centrally Located Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St. CHICAGO.

L. D. PHONES CENTRAL 1999 AND 1977.

PRICE LIST.

BEAUTIES.			
30-36-inch stems,	per doz.,		$3.00
24 "	"	"	2.00
20 "	"	"	1.50
16 "	"	"	1.00
12 "	"	"	.75
6 to 8-in. "	per 100	$4.00	5.00
			Per 100
Brides		$4.00	6.00
Maids		4.00	6.00
Meteors		4.00	6.00
Gates		4.00	6.00
Carnations		1.25	1.50
" large and fancies		2.00	3.00
Callas	per doz.,	1.00	1.25
Sweet Peas		1.00	1.50
Valley, select			4.00
Asparagus plumosus, per stg,		.50	.60
" Sprengeri		3.00	6.00
Ferns	per 1000,	$2.50;	.25
Galax	"	1.25;	.15
Leucothoe sprays			1.00
Adiantum			1.00
Smilax	per doz.,	1.50	2.00

Prices subject to change without notice

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37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

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CHICAGO'S RELIABLE Wholesale Growers and Shippers of CUT FLOWERS, 59 Wabash Ave., Chicago.

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Consignments solicited.....

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Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

Please mention the American Florist when writing

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Wholesale Growers of and Dealers in **Cut Flowers**

All telegraph and telephone orders given prompt attention.

GREENHOUSES: Morton Grove, Ill.

35-37 Randolph Street, CHICAGO, ILL.

When writing to any of the advertisers on this page please mention the American Florist.

Wholesale Flower Markets

CHICAGO, May 9.

Roses, Beauty,	30 to 36-inch stems	3.00
" "	24 " "	2.00
" "	20 " "	1.50
" "	15 " "	1.00
" "	12 " "	.75
" "	6 to 8 " " per 100	4.00@ 5.00
"	Bride, Bridesmaid	3.00@ 6.00
"	Meteor	3.00@ 6.00
"	Perle	3.00@ 6.00
"	Golden Gate	3.00@ 6.00
Carnations		1.00@ 2.50
Peonias	per doz.	.50@ .75
Lily of the valley		3.00@ 4.00
Harrisii		10.00@12.50
Callas, per doz		1.00@1.25
Sweet Peas		1.00@ 1.50
Adiantum		1.00
Common ferns	per 1,000	$2.50 .25
Galax leaves, per 1000		$1.00 .15
Smilax	per dozen	1.50@ 2.00

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For all kinds of good stock advertised in.....

THE AMERICAN FLORIST

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LILY of the VALLEY

in large quantities, the finest that is grown, $4 and $5 per 100.

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600,000 FEET OF GLASS.

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Send for weekly price list and special quotations on 1000 lots.

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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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BEST BOSTON FLOWERS. All Supplies.
An entire floor Devoted to Stock and Manufacturing. Distributing Agent for United States for the wonderful

"Koral" LETTER, unequalled for design work. Script, any color, 3½c a letter. Block letters, 1½c each. The most elaborate design work to order in a few minutes.

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Special American Beauty,
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Lily of the Valley, Violets.

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WELCH BROS., PROPS.
9 CHAPMAN PLACE,
15 PROVINCE STREET,
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The best market for Growers who can ship good Cut Flower stock.

J. K. ALLEN,
106 West 28th Street, NEW YORK CITY.
Telephone 167 Madison Sq.
OPEN AT 5 A. M. DAILY.

N. F. McCARTHY & CO.
84 Hawley St., BOSTON,
ARE RECEIVING ELEGANT ROSES.
ALL VARIETIES.
DON'T YOU WANT SOME?
Tel. 734 and 64 Main.

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Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

N. Y. CUT FLOWER EXCHANGE
Coogan Bldg, 6th Ave. and W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.

Wholesale Flower Markets

BOSTON, May. 7.

Roses, Beauty, extra	20.00@30.00
" " medium	6.00@15.00
" " culls	2.00@ 4.00
" Bride, Bridesmaid, Meteor.	1.00@ 4.00
" extra	5.00@10.00
Sweet Peas	1 00
Carnations	1.00@ 2.00
" fancy	2.50@ 3 00
Lily of the valley	2.00@ 3.00
Violets	.30@ .60
Lilies	6.00@ 8.00
Narcissus	.50@ 1.50
Tulips	.50@ 1.50
Callas	6.00@ 8.00
Adiantum	1.00
Asparagus	50.00
Smilax	12.00@16.00

PHILADELPHIA, May 7.

Roses, Tea	6.00@ 8.00
" " extra	8.00@10.00
" Beauty, extra	20.00@25.00
" " firsts	10.00@15.00
" Queen of Edgely, extra	40.00
" " " firsts	25.00
Carnations	1.00@ 3.00
Lily of the valley	4.00@ 5.00
Asparagus	25.00@50.00
Smilax	15.00@20.00

BUFFALO, May 8.

Roses, Beauty	7.00@35.00
" Bride, Bridesmaid, Meteor	6.00@12.50
Carnations	1.50@ 5.00
Violets	.50@ 1.00
Lily of the valley	3.00@ 4.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.50

Give Us a Trial. We Can Please You.

Roses, Carnations and all kinds of Seasonable Flowers in stock.
WM. F. KASTING, Wholesale Commission Florist,
481 Washington St., Buffalo, N. Y.
Dealer in Florists' Supplies and Wire Designs.
Open Day and Night.

MARKETING for flowers is a pleasure if done at the Headquarters of the
NEW YORK CUT FLOWER CO.
Here is the choicest stock of the most eminent growers, fresh every morning and in full variety.
Goods selected and shipped to any part of the country. Always room for growers looking for an outlet for good cut flower stock.
DAILY REPORTS. WEEKLY PAYMENTS.
SALESROOMS { 55 & 57 West 26th St., NEW YORK CITY.
TELEPHONES: 2239 Madison Sq. 2034 Madison Sq.
J. A. MILLANG, MANAGER.

GEORGE SALTFORD,
Wholesale Commission Florist,
46 West 29th Street, NEW YORK.
Fair dealing and prompt returns guaranteed.
Correspondence solicited.

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Buy and Sell.... **FLOWERS** on Close Margin.
Headquarters, 56 West 26th Street,
WRITE, TELEGRAPH OR TELEPHONE. Opposite Cut Flower Exchange, NEW YORK CITY.

EUGENE BERNHEIMER
Wholesale Florist,
Phone 14269 A, 1604 Ludlow St., **Philadelphia.**
CONSIGNMENTS OF ROSES SOLICITED.

AMERICAN FLORIST ADS ALWAYS DO BUSINESS
Week days and every day, Sundays and holidays,
ALL OVER THE COUNTRY AT HOME AND ABROAD.

FOR DECORATION DAY.

Paeonias. BEAUTIES. CARNATIONS. FERNS.

LEO. NIESSEN,
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When the consignor reads his returns / the buyer opens a box of flowers From

JOHN I. RAYNOR, WHOLESALE COMMISSION FLORIST.

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Are shipping the finest Roses, Carnations, Valley, Orchids, Novelties, in the New York Market. Price List to Applicants.

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Wholesale Commission Florists,

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Adjoining New York Cut Flower Co. salesroom. Finest Salesroom in the Trade. Inspection Invited. All business, selling or shipping, strictly commission.

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RECEIVER AND SHIPPER OF FRESH CUT FLOWERS. DAILY STOCK OF ALL THE CHOICEST VARIETIES FROM BEST GROWERS WHO SHIP TO NEW YORK.

ORCHIDS, ROSES, CARNATIONS, VALLEY.
Largest receiver of VIOLETS in America

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Special American Beauties, Surpassing Carnations, Violets, Lily of the Valley, Orchids, and all Seasonable Flowers.

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Tel. 1905 Madison Sq.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR

Violets and Carnations

GROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER,
30 West 29th St., New York.
Telephone 551 Madison Square.

Frank Millang,

CUT FLOWERS,

WHOLESALE COMMISSION,

Coogan Building, 6th Ave. and 26th Street,
Phone 299 Madison Square. NEW YORK.

ESTABLISHED 1872.

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COMMISSION FLORIST,

Solicits Consignments or Shipping Orders. Satisfaction given in both.

Write for Terms. 115 West 30th St., New York.

POPULAR WITH THE TRADE.
Therefore a profitable place to send your Flowers.

M. A. HART'S,

48 West 30th St., New York City.
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Choice Carnations. Selected Roses.

Traendly & Schenck

NEW YORK CITY,

38 W. 28th Street, Cut Flower Exchange.
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NEW YORK, May 7.

Roses, Beauty, select	15.00@25.00
" " medium	5.00@10.00
" " culls	1.00@ 3.00
" Bride, Bridesmaid	3.00@ 8.00
" Jacq. and Brunner	3.00@ 8.00
" Liberty	3.00@10.00
" Meteor, Golden Gate	2.00@ 5.00
" All kinds, job lots	1.00@ 2.00
Carnations	1.00@ 3.00
Carnations, fancy	3.00@ .00
Violets	.10@ .50
Lily of the valley	2.00@ 3.00
Daffodils Tulips	.25@ 1.00
Hyacinths	1.00@ 2.00
Callas, Lilies	3.00@ 5.00
Sweet Peas	.50@ .75
Cattleyas	35.00@50.00
Mignonette	1.00@ 3.00
Smilax	12.00@15.00
Adiantum	.75@1.00
Asparagus	35.00@50.00
" Sprengeri, per doz. bun.	2.00@ 3.00
Lilac, per bunch	.50@ .75

CHAS. MILLANG,

50 W. 29th St.,

NEW YORK.

FORD BROS.

Receivers and Shippers of

FRESH FLOWERS.

Best Violets in New York market.

111 WEST 30TH ST., NEW YORK.
Telephone 157 Madison Square.

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53 West 30th Street, NEW YORK.

REPRESENTS THE BEST GROWERS OF

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Wholesale Commission Florist,

A full supply daily of the choicest New York and New Jersey

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Wholesale Commission Florist,

BEST FLOWERS SHIPPED AT LOWEST NEW YORK PRICES.

19 Boerum Place, Brooklyn, N. Y.

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...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.
Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE.

Now in Season:
FREESIAS, DAFFODILS, TULIPS
LILAC, SWEET PEAS and ACACIA.

EDW. C. HORAN,

47 WEST 28TH ST.,

Tel. 421 Madison Square, ...NEW YORK.

CUT FLOWERS AT WHOLESALE.

All Roses, Violets

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

J. E. NORTHRUP, Pres.; S. F. LEONARD, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

Twentieth annual convention, Minneapolis, Minn., June 24-26, 1902.

THE price of rape seed is lower now.

VISITED CHICAGO: G. C. Eldering, of W. J. Eldering & Son, Overveen, Holland.

ONION set fields about Chicago have improved with the recent damp and cooler weather.

THE banner day of the season at Vaughan's Seed Store, Chicago, was Saturday, May 3.

THE scarcity of good seed corn seems to have caused buyers to cover their needs early, the demand having slackened.

REPORTS reach us to the effect that the white Roman hyacinths show disease and that prices have advanced considerably.

THE catalogue mail trade was not quite up to the mark during April. The average of this branch of the business, taking the season as a whole, is reported generally satisfactory.

A. DIMMOCK, the genial representative of Sander & Co., informs us that an eastern grower has a new giant form of the common calla which will cause a sensation when introduced.

THE business of the Missouri Valley Seed Company, St. Joseph, Mo., demands more spacious quarters and plans are being drawn for a four or five story building with all modern improvements.

NOT many onion sets were carried over, but at no time during the season were prices over $1.75 to $2, while at the close the figures went down to about the moderate rates of January, $1.40 to $1.65.

ADVICES of April 29, from Bermuda, show that the appearance of the lily fields is much better than for seven years. If a repetition of the dry weather of last May and June is not experienced, a crop of good bulbs is anticipated, but not a very large one on account of the small quantity of stock planted.

Japanese Longiflorum Lilies.

Concerning the forcing of these bulbs, to which some reference was made in our issue of May 3, pages 548 and 554, two vital questions are before the florist grower. First, will the digging of the bulbs only when fully ripened in Japan insure certain freedom from blind, crippled, stunted or diseased plants, if rightly grown? Second, will this delay for the natural ripening of the bulbs be overcome by more rapid growth later and secure Easter results?

It will be a great financial loss to the florists of this country if either of these questions be decided in the negative.

American Seed Trade Association.

J. E. Northrup, president of the American Seed Trade Association, and L. L. May, of St. Paul, met with Chairman Wallace G. Nye, of the Commercial Club convention committee, May 3, to consider arrangements for the national convention of that body, which will be held in Minneapolis, July 24 to 26. An attendance of about 150 members is expected.

Mr. May wishes that they be given a day in St. Paul during their visit, where they will be entertained as his guests. Mr. Northrup and the club convention committee will arrange later for their entertainment while in Minneapolis.

Minneapolis.

BUSINESS CONTINUES FAIR AND STOCK PLENTIFUL.—MARKET CLEARING UP WELL EACH DAY.

Trade in general has not shown much change in the past week, there being no social functions of note except on Wednesday, April 23, the Pillsbury-Ayer wedding which was a very elaborate affair, and called for many of the choicest blooms. Stock is averaging good, considering the season of year, and demand is fairly brisk. Tea roses are bringing from $2 to $4, and $6 for the select, while Liberty is commanding as high as $8 per hundred. Carnations average from $1.50 to $2.50 per hundred and quality could be better. Bulbous stock is not in surplus, and sells out clean. Good Beauties are scarce, while from the looks of the few Greek flower stands, the short stock is plentiful.

The new ice box recently erected by Wm. Donaldson & Company is the finest we have seen. It is 20x6x9 in dimensions, having solid glass doors and French bevel mirrors. The ice, of which it holds three tons, is manufactured on the place. C. F. R.

Santa Ana, Cal.

UNITED STATES TAKES UP THE WORK OF STUDYING PLANT DISEASES AND CROP IMPROVEMENT ON THE PACIFIC COAST.

The United States Department of Agriculture, Bureau of Plant Industry, of which Prof. B. T. Galloway is chief, has undertaken the study and treatment of the more important diseases affecting the crops of the southwest and the improvement of fruits, flowers and vegetables by cross-fertilization, selection, budding, grafting and pruning. To this end the Pacific Coast Laboratory has been established here with Prof. Newton B. Pierce in charge and P. H. Dorsett assistant. In addition to vegetable pathological and physiological investigations they will concern themselves with the introduction and test of rare and valuable seeds and plants from other countries.

TIFFIN, O.—Lewis Ullrich is preparing to build a new office at his greenhouses and otherwise improve his facilities.

ONEIDA, N. Y.—J. C. Grems is building an addition 14x40 feet at his greenhouse on Spring street. It is for rose growing.

Seasonable Bulbs, Quick Sale Prices A CHANCE FOR SHREWD BUYERS

PRIZE GLADIOLI Selected Bulbs.

	Per 100	1000
Floracroft Mixture, 1st size	$1.00	$9.00
Floracroft Mixture, 2nd size	.90	7.50
Brenchleyensis, bright scarlet	.90	7.50
Orange and Yellow	2.50	23.00
Pink Shades	1.25	12.00
White and Light	1.75	15.00
Striped and Variegated	2.00	18.00
Scarlet and Red Shades, mixed	.95	8.00
May, fine forcer	1.75	15.00
Groff's Hybrids, Mixed	2.50	20.00
J. & S. Special Mixture	.65	6.00

BEGONIAS Tuberous Rooted.

	Per doz.	100	1000
Single Separate Colors	$ .25	$1.75	$15.00
Double Choice Mixed	.40	3.00	

CYCAS REVOLUTA. (SAGO PALM), in splendid condition, 7c per lb.; case lots, (about 350 lbs.), at 6c per lb.

PAEONIAS Double Sweet Scented, strong divided roots with two to six eyes; the quality and color will please the most critical buyer. Per doz., 75c; $5.00 per 100.

JOHNSON & STOKES, 217-219 MARKET STREET, PHILADELPHIA, PA.

ESTABLISHED 1802

THORBURN'S SEEDS

YELLOW OR BLACK LOCUST.

We have just received a large shipment of extra fine fresh seed and shall be pleased to quote special low prices on application. Inquirers should state quantity required.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

DAHLIAS AND SECOND SIZE **GLADIOLUS**

Dahlias, show and Decorative, roots, $25 and $50 per 100. No. 2 Gladiolus, mixture of pink and about 35 to 40 per cent white, at $3.00 per 1000.

CASH WITH ORDER.

ROWEHL & GRANZ, Hicksville, L. I., N. Y.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

Gladiolus "1900"

NOVELTY. Very showy for cut flower work and florists' window decorations. Spikes 15 inches long, very strong grower, rich red color, three white spots on lower petal. Good substance lasting well after cutting. Successive plantings of this would secure fine window show the whole season. Per 100, $3.75.

GLADIOLUS Mixtures A good assortment.

Vaughan's Seed Store, New York. Chicago.

DREER'S

Hardy Perennial Plants.

We are carrying an Immense Stock of these popular plants.

Varieties marked with a ★ are suitable to cut.

	Doz.	100
Achillea Filipendulina, 3 in. pots	$.75	$6.00
Achillea Millefolium Roseum, 3-in. pots	.60	4.00
*Achillea The Pearl, 3 in. pots	.60	4.00
Achillea Tomentosa, 3 in. pots	1.00	8.00
Aconitum Barbatum, strong plants	1.25	10.00
Aconitum Fisheri, strong plants	1.50	12.00
Aconitum Napellus, strong plants	1.25	10.00
*Anemone Japonica Alba, 2¼-in. pots	.75	5.00
*Anemone Japonica Rubra, 2¼-in. pots	.75	5.00
*Anemone Lady Ardilaun, 2¼-in. pots	.75	5.00
*Anemone Whirlwind, 2¼-in. pots	.75	5.00
*Anemone Queen Charlotte, 2¼-in. pots	.75	6.00
Anemone Pennsylvanica, 2¼-in. pots	.75	6.00
Anemone Sylvestris, 3-in. pots	.75	6.00
Ajuga Reptans Rubra, 3-inch pots	.75	6.00
Ajuga Genevensis, 3-in. pots	.75	6.00
Alstromeria Chilieosis, 3-in. pots	1.00	8.00
Amsonia Tabernæmontana, str'g plants	.75	6.00
Anchusa Italica, strong plants	.75	6.00
*Anthemis Tinctoria, 3-in. pots	.60	4.00
*Anthemis Tinctoria, Kelwayi, 3-in. pots	.60	4.00
*Anthemis Tinctoria, Pallida, 3-in. pots	.60	4.00
*Asters, 12 choice hardy vars., 3 in. pots	1.00	8.00
*Aster Grandiflorus, 2¼-in. pots	2.00	15.00
Anthericum Liliastrum, strong plants	.75	5.00
Anthericum Liliago, strong plants	.75	5.00
Artemisia Abrotanum, strong plants	.75	6.00
Artemisia Purshiana, strong plants	.75	6.00
Artemisia Stelleriana, strong plants	.75	6.00
*Asclepias Tuberosa, 2-year-old roots	.75	6.00
Asphodelus Luteus, strong divisions	.75	6.00
Bocconia Cordata, strong divisions	.75	6.00
*Boltonia Asteroides, strong divisions	.75	6.00
*Boltonia Latisquama, strong divisions	.75	6.00
Calimeris Incisa, strong divisions	.75	6.00
Caltha Palustris, strong divisions	.75	6.00
Caltha Palustris fl. pl., strong divisions	.75	6.00
*Caryopteris Mastacanthus, 3-in. pots	.75	6.00
Cassia Marylandica, strong 1-year-old	.75	6.00
Campanula Alliariæfolia, 3-in. pots	.75	6.00
Campanula Carpatica, blue and white, 3-in. pots	1.25	10.00
Campanula Celtidifolia, 3-in. pots	1.00	8.00
Campanula Grossekii, strong divisions	.75	6.00
Campanula Rotundifolia, 3-in. pots	.75	6.00
Campanula Trachelium, 3-in. pots	1.00	8.00
Centaurea Canariensis, 3-in. pots	1.00	8.00
Centaurea Hirta Nigra Var., 3-in. pots	.75	6.00
Centaurea Glastifolia, 3-in. pots	.75	6.00
Centaurea Montana Rubra, 3-in. pots	.75	6.00
Centaurea Montana Lady Hastings 3-in. pots	1.00	8.00
*Chrysanthemums, Hardy Pompon, 2¼-in. pots	.50	3.00
*Chrysanthemum Maximum Filiformis, 3-in. pots	.75	6.00
*Chrysanthemum Maximum Triumph, 3-in. pots	.75	6.00
Cimicifuga Racemosa, strong plants	1.00	8.00
Chrysogonum Virginianum, str'g plants	.75	6.00
Clematis Davidiana, 1-year clumps	.75	6.00
*Clematis Recta, 2-year-old plants	1.50	12.00
*Coreopsis Lanceolata Grandiflora, strong clumps	.75	6.00
Coreopsis Lanceolata Grandiflora, strong 3-in. pots	.60	4.00
Dictamnus Fraxinella, strong plants	1.00	8.00
Dictamnus Fraxinella Alba, str'g plants	1.25	10.00
Dielytra Spectabilis, strong clumps	.75	6.00
Digitalis Ambigua, strong plants	.75	6.00
Digitalis Gloxiniæflora, strong plants	.75	6.00
*Doronicum Caucasicum, 3-in. pots	1.25	10.00
*Doronicum Excelsum, 3-in. pots	1.25	10.00
Dracocephalum Ruyschianum, strong divisions	1.00	8.00
Echinops Ruthenicus, 4-in. pots	.75	6.00
Epimedium Lilacea, strong plants	2.00	15.00
Epimedium Macranthum, strong plants	2.00	15.00
Epimedium Niveum, strong plants	2.00	15.00

	Doz.	100
Epimedium Sulphureum, strong plants	$2.00	$15.00
Erigeron Glaucus, strong divisions	1.00	8.00
Erigeron Speciosus, strong divisions	.75	6.00
Eryngium Amethystinum, strong plants	2.00	15.00
Eryngium Planum, strong plants	1.00	8.00
*Euphorbia Corollata, strong roots	.60	4.00
*Feverfew Little Gem, 2¼-in. pots	.60	4.00
Funkia Cœrulea	.60	4.00
Funkia Subcordata Alba	1.00	8.00
Funkia Undulata Media Picta	1.25	10.00
Funkia Thomas Hogg	1.00	8.00
*Gaillardia Grandiflora, 3-in. pots	.75	6.00
Gaillardia Grandiflora, 4-in. pots	1.00	8.00
Geranium Sanguineum, strong divisions	1.00	8.00
Geranium Sanguineum Album, strong divisions	1.00	8.00
Geum Atrosanguineum, fl. pl., 3-in. pots	.75	6.00
Geum Coccineum, 3-in. pots	.75	6.00
Geum Coccineum, fl. pl., 3-in. pots	.75	6.00
Geum Heldreichi, 3-in. pots	.75	6.00
*Gypsophila Paniculata, strong 1-year	.75	6.00
Gypsophila Paniculata Compacta, strong one-year	.75	6.00
*Helenium Autumnale Superba, strong divisions	1.00	8.00
Helenium Grandicephalum Striatum 3-in. pots	.75	6.00
*Helenium Hoopesi, strong divisions	1.00	8.00
*Helenium Pumilum, 3-in. pots	1.00	8.00
*Helianthus Multiflorus, fl. pl., 2¼-in.	.75	6.00
*Helianthus Multiflorus Maximus, 2¼-in. pots	.75	6.00
*Heliantbus Miss Mellish, strong divisions	.75	6.00
*Helianthus Mollis, strong divisions	.75	6.00
*Helianthus Orgyalis, strong divisions	.75	6.00
*Helianthus Rigidus, strong divisions	.75	6.00
*Helianthus Tomentosum, strong divisions	1.25	10.00
*Heliopsis Pitcherianus, strong divisions	.75	6.00
*Heliopsis Scaber Major strong divisions	.75	6.00
Hemerocallis Dumortierii, strong plants	.75	6.00
Hemerocallis Fulva, strong plants	.60	4.00
Hemerocallis Flava, strong plants	.60	4.00
Hemerocallis Kwansoflora plena, strong plants	.60	4.00
Hemerocallis Middendorfii, strong plants	1.25	10.00
Hemerocallis Thunbergi, strong plants	.75	6.00
Hibiscus Militaris, strong 1-year-old	.75	6.00
Hibiscus Moscheutos, strong 1-year-old	.75	5.00
Hibiscus Moscheutos Roseus, strong one-year-old	.75	5.00
Hibiscus Moscheutos Crimson Eye, strong one-year old	.75	5.00
Heuchera Sanguinea, 3-in. pots	1.00	8.00
*Iris Kæmpferi, 25 choice named vars	1.50	10.00
Iris Kæmpferi, choicest mixed vars	1.00	8.00
Iris Germanica, 12 choice named vars	.75	6.00
Iris Germanica, choice mixed varieties	.50	4.00
*Iberis Sempervirens, strong divisions	.75	6.00
Inula Brittanica, 3-inch pots	.75	6.00
Inula Ensifolia, 3-in. pots	1.00	8.00
Liatris Graminifolia, strong plants	1.00	8.00
Liatris Scariosa, strong plants	.75	6.00
Liatris Spicata, strong plants	.75	6.00
Linum Perenne, one-year-old plants	.75	6.00
*Lobelia Queen Victoria, 3-in. pots	1.00	8.00
Lychnis Chalcedonica fl. pl., 3-in. pots	2.00	15.00
*Lychnis Vespertina Alba, strong clumps	1.25	10.00
*Lychnis Viscaria Splendens, 2¼-in.	.75	6.00
*Lysimachia Clethroides, strong plants	.75	6.00
Lythrum Roseum Superbum, strong plants	.75	6.00
Monarda Didyma, 3-in. pots	.75	6.00
Monarda Didyma Purpurea, 3-in. pots	.75	6.00
Monarda Didyma Rosea, 3-in. pots	.75	6.00
Monarda Didyma Splendens, 3-in. pots	.75	6.00
Monarda Fistulosa Alba, 3-in. pots	.75	6.00

	Doz.	100
*Myosotis Palustris Semperflorens, 3 in. pots	$.60	$4.00
*Myosotis Robustus Grandiflorus, clumps	.60	4.00
Œnothera Pilgrimi, 3-in. pots	.75	6.00
Pardanthus Sinensis, strong divisions	.75	6.00
Papaver Orientale, strong 3-in. pots	.75	6.00
*Pæonias, Double Herbaceous, 10 choice varieties	1.50	12.00
*Pæonias, Single Herbaceous, 12 choice varieties	2.25	18.00
*Pentstemon Barbatus Torreyii, strong clumps	1.00	8.00
Pentstemon Cœrulea, strong divisions	1.00	8.00
Pentstemon Digitalis, 3-in. pots	.75	6.00
Pentstemon Diffusus, strong divisions	1.00	8.00
*Pentstemon Ovatus, strong divisions	.75	6.00
*Perennial Phloxes, 50 choice varieties, 3-in. pots	.75	6.00
*Hardy Pinks, 5 choice vars., 4-in. pots	.75	6.00
*Platycodon Grandiflorum, strong roots	.75	6.00
*Physostegia Virginica, 3-in. pots	.75	6.00
*Physostegia Virginica Alba, 3-in. pots	.75	6.00
Plumbago Larpentæ, strong divisions	1.25	10.00
Plumbago Larpentæ, 2¼-in. pots	.60	4.00
Polemonium Cœruleum, 3-inch pots	1.00	8.00
Polemonium Cœruleum Alba, 3-in. pots	1.00	8.00
Polemonium Richardsoni, 3-in. pots	1.50	
Potentilla Formosa, strong divisions	.75	6.00
Potentilla Hopwoodiana, strong divisions	.75	6.00
Potentilla Phœnix, strong divisions	.75	6.00
*Pyrethrum Hybridum Mixed Seedlings, clumps	1.00	8.00
*Pyrethrum Uliginosum, strong divisions	.75	6.00
*Primula Veris Superba, strong plants	1.25	10.00
Ranunculus Acris fl. pl., strong plants	.75	6.00
*Rudbeckia Golden Glow, 4-in. pots	.75	6.00
*Rudbeckia Newmani, strong divisions	.75	6.00
*Rudbeckia Purpurea, 3-in. pots	1.00	8.00
*Rudbeckia Subtomentosa, strong divisions	.75	5.00
*Rudbeckia Triloba, 3-in. pots	.75	6.00
Salvia Azurea Grandiflora strong plants	1.00	8.00
Santolina Incana, 2¼-in. pots	.50	4.00
Santolina Chamæcyparissus, 2¼-in. pots	.50	4.00
*Scabiosa Caucasica, strong plants	1.00	8.00
*Scabiosa Caucasica Alba, strong plants	1.25	10.00
Saxifraga Crassifolia, strong plants	1.50	12.00
*Sedum Spectabilis, 2¼-in. pots	.75	6.00
*Statice Incana, strong plants	.75	6.00
*Statice Gmelini, strong plants	1.25	10.00
*Statice Latifolia, strong plants	1.00	8.00
*Statice Tartarica, strong plants	.75	6.00
Teucrium Canadense, strong plants	1.00	8.00
*Thalictrum Aquilegifolium, strong plants	1.25	10.00
*Thalictrum Aquilegifolium Atropurpureum, strong plants	1.25	10.00
Thalictrum Adiantifolia, strong plants	1.50	12.00
Thalictrum Anemonoides, strong plants	1.25	10.00
Thalictrum Glaucum, strong plants	1.25	10.00
Thermopsis Caroliniana, 1-year-old	1.00	8.00
Tradescantia Virginica, strong	.60	4.00
Tradescantia Virginica Alba, strong	.60	4.00
Tricyrtis Hirta, 3-in. pots	1.00	8.00
*Trollius Europæus, divisions	.75	6.00
*Tritoma Pfitzeri, strong divisions	1.00	8.00
Veronica Candida, strong divisions	.75	6.00
Veronica Longifolia Subsessilis, 2¼-in. pots	.75	6.00
Veronica Incana, strong divisions	1.00	8.00
Veronica Rosea, 3-in. pots	1.00	8.00
Veronica Spicata, strong divisions	1.00	8.00
Veronica Spicata Variegata, strong divisions	1.00	8.00
Vinca Minor, strong clumps	.75	6.00

For a full list of HARDY PERENNIALS with illustrations and descriptions, see our current catalogues.

HENRY A. DREER, 714 Chestnut St., PHILADELPHIA, PA.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
R. C. BERCKMANS, Pres.; R. J. COE, Vice-Pres.
GEORGE C. SEAGER, Rochester, N. Y., Sec'y.
Twenty-seventh annual convention, Milwaukee, Wis., June 11-13, 1902.

THIS has been the best season on record for the sale of ornamental nursery stock.

STOCKS of cherry trees have seldom been so completely exhausted as at present, according to western nurserymen.

THE U. S. Agricultural Department is encouraging the planting of Catalpa speciosa in the west, largely because of its rapid growth.

THE Boston park department is using Bowker's Disparine largely in its spraying work in combatting insect enemies, particularly the elm leaf beetle.

L. A. GOODMAN, secretary, in the May 1 crop report of the Missouri State Horticultural Society, estimates apples as promising sixty per cent of a crop. The summer meeting of the society will be held at Edon, June 10-12.

P. S. PETERSON, of Chicago, has conveyed to his son, William A. Peterson, for a nominal consideration sixty acres of land at the southeast corner of Bryn Mawr avenue and North Fortieth avenue, contiguous to Rose Hill Nurseries. The revenue stamps affixed to the instrument indicate a value of $122,500.

THE city of Cambridge, Mass., spent on its park system during the year 1901, $136,270 29. The report of the commission recently issued emphasizes the fact that Cambridge has, as yet, no ready access to any portion of the state reservations or neighboring Boston park system, although Cambridge has spent more money on public reservations than any other city in the district, excepting Boston.

Boston.

CUT FLOWER INDUSTRY LANGUISHES.—ALL STOCK HARD TO MOVE.—CARNATIONS THE ONLY ITEM IN ANY SORT OF A DEMAND.—OUTDOOR WORK VERY HEAVY.—AUCTION SALES NOT BRISK.—NOTES OF PERSONAL AND OTHER DOINGS.

The cut flower business seems to have been brought up with a short turn since the first of May. Whatever may be the reason, certain it is that the atmosphere has suffered a big drop in the vicinity of the markets and wholesale houses and if it were not that we yet have Decoration day and the weddings and commencements of June still on the list it might easily be believed that the end of the season had come. A certain wholesaler on being asked a question as to the state of the market this week replied vigorously thus: "I'll tell you just how it is: The Beauty can't walk; the Queen of Edgely has a sore foot; the other roses have got it in the neck; violets are a dead issue; smilax, which went at a 2:10 gait two weeks ago, can't trot a mile an hour to-day and the only thing in the field that is holding its own is the carnation, so what are you going to do about it?" Roses in several varieties are beginning to come in now from the cold houses. They are sturdy and make the stock that has been steaming over the pipes all winter look very careworn indeed. The plant trade continues to monopolize the attention of the suburban brethren and is very brisk in all departments. At the auction sales, however, there is considerable difficulty experienced in placing the heavy consignments of Holland tree and shrub stock that are received.

The report of the treasurer of the Massachusetts Horticultural Society, just received, for 1901, shows that the net surplus of the society amounts to $789,728 94, of which $515,997 36 represents the valuation of the real estate estimated on a very conservative basis.

Harry Green, who keeps a flower stand at the entrance to Music Hall, is credited with having made a sensational capture of an athletic thief who bolted with a tray of diamonds from a Tremont street jewelry store last Saturday.

John Woodbury, secretary of the Metropolitan Park Commission, delivered an interesting lecture at the Boston public library last Monday evening on the subject of water parks.

Edwin Ginn has purchased the beautiful estate at Winchester, known as Rangeley for the sum of $160,000 and will have it developed into a public park.

J. A. Pettigrew has gone on a visit for about ten days to Chicago.

Cincinnati.

STOCK PLENTIFUL BUT NOT OF HIGH QUALITY.—TRADE FAIRLY ACTIVE.—DOINGS OF GROWERS AND OTHERS.—VARIOUS NOTES.

Business, considering the very warm weather for the past week, is good and stock is plentiful, but deteriorating in quality. Roses are beginning to come smaller and the same may be said of carnations. Sweet peas are coming in more abundantly. There are plenty of longiflorum lilies around town, which, owing to funeral work, clean up pretty well every day.

Mrs. H. A. Kresken and her daughter, Ada, are arranging their affairs with the intention of taking a trip to Europe this summer. Mrs. Kresken's health is not the best and the doctor says a rest is what she needs.

A call at Gus. Adrian's shows his place to be in fine shape, with an elegant stock of bedding plants. He is having plans made for a fine new dwelling, which he contemplates erecting this summer.

Our genial park superintendent, B. P. Critchell, is receiving a great deal of favorable comment in the daily press these days. Be careful "B. P." or Chief Deitsch will grow green with envy.

Miss Cronin, of Covington, is contemplating a trip to Paris this summer.

D.

SPRINGFIELD, MASS.—On May 2 F. Schuyler Mathews addressed the Amateur Horticultural Society on "Harmony of Color Among Flowers." It is Mr. Mathews' color chart which is the standard of color for the florists of both the United States and Europe. The chart is published by the American Florist Company.

PROVIDENCE, R. I.—S. H. Manchester, Farquhar Macrae, N. D. Pierce, F. P. Hunt, Wm. Hill and J. E. C. Farnham are the exhibition committee of the Rhode Island Horticultural Society, which has just issued premium lists for the June rose and strawberry show and the chrysanthemum show November 13 and 14. The latter exhibition will include carnations, orchids and miscellaneous plants, also fruits, fresh and preserved.

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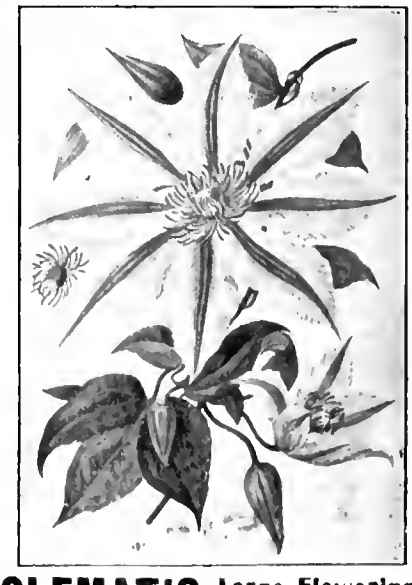

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in 10 choice kinds, two year, pot-grown, in assortment, not too many of one kind. $2.00 per dozen; $16.00 per 100.
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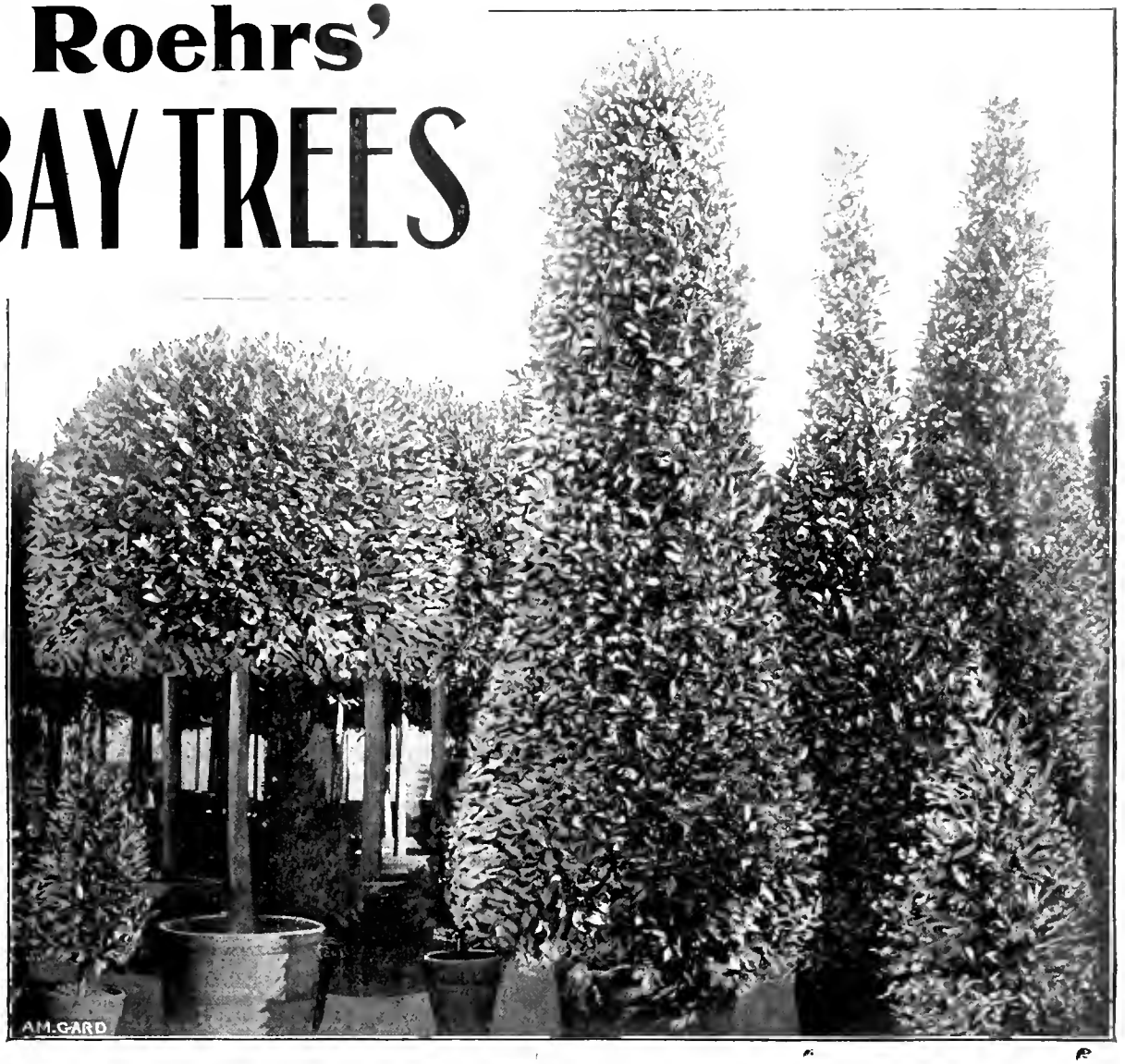

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Cabbage Plants

E. J. Wakefield Cabbage Plants, Transplanted, $5.00 per 1000.

Ponderosa Tomato Plants,
Grown in pots, well spread, $3 per 100; $25 per 1000.

W. L. SMITH, Aurora, Ill.

$7.50 Per Thousand

CARNATIONS from soil, clean healthy stock. 2000 McGowan, 8000 Wm. Scott, 5000 Thos. Cartledge, $7.50 per 1000.

John F. Horn & Bro., Allentown, Pa.

PANSIES

The Jennings Strain.

Fine cold frame plants in bud and bloom, $1.50 per 100; $7.50 per 500. Cash with order.

E. B. JENNINGS, Lock Box 254, Southport, Conn.
Grower of the Finest Pansies.

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Reach all the Trade.

ROOTED CUTTINGS

Estelle, $5.00; Lawson, $4.00; Marquis and Elm City, $2.00; Crocker and Lord, $1.00 per 100. Other varieties on application.

DANA R. HERRON, OLEAN, N. Y.

GERANIUM DRYDEN

The finest bedder; silver medal at Buffalo last year. $6.00 per 100, 2½-inch pots; $3.00 per 100, rooted cuttings. Cash please.

Henry Eichholz, Waynesboro, Pa.

PALMS.

HOME-GROWN, FINE, CLEAN STOCK; GROWN COOL.

Write for Price List. **J. B. HEISS,**
The Exotic Nurseries, **DAYTON, OHIO.**

Gladioli Maple Shade collection. A few thousand extra good 2d and 3d sizes. The best planting stock and the cheapest.
WILBUR A. CHRISTY, KINSMAN, OHIO.

FAXON'S "WHITE HOUSE" PANSIES.

The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.

In Trade Packets at $1.00 each.

M. B. FAXON,
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BEGONIA GLOIRE DE LORRAINE,

2¼-inch pots, $15.00 per 100.

Write for prices on large lots. Stock guaranteed absolutely free from disease.

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CYCLAMEN.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM. Finest strain in the world, in four true colors, transplanted from flats, strong plants, from 5 to 6 leaves, $3.00 per 100; $25.00 per 1000; from 2½-inch pots, $4.00 per 100; $35.00 per 1000.

GERANIUMS. Standard varieties, labeled, my selection, all colors, extra well grown stock from 3½-inch pots, $5.00 per 100; from 2½-inch pots, several 1000 plants left, mixed, $2.50 per 100; $20.00 per 1000. **PAUL MADER, East Stroudsburg, Pa.**

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 79 Milk St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At New York.

The regular practice games of the bowling club last Monday evening resulted as follows:

Player	1st	2d	3d	4th	5th
Hafner	174	174	165	146	157
Siebrecht	156	128	140	131	141
Lang	170	199	191	180	166
Burns	112	172	193	155	175
Thielmann	137	164	167	153	167
Traendly	147	116	163	125	137
Smith	152	110	99	147	
Elliott	96	114	150	154	

Frank Traendly offered a handsome gold pin as a prize for the best aggregate scores in the last three games rolled, each player being given a handicap according to his known proficiency. The result, with the handicaps added, was as follows, Mr. Burns, who had a handicap of fifteen pins for the three games, winning out by only one pin:

Burns	538	Thielmann	487
Lang	537	Traendly	470
Hafner	498	Siebrecht	457
Elliott	493	Smith	386

Detroit.

TRADE SHOWS NO UNUSUAL FEATURE.—INDUSTRY NOW ABOUT AT THE SUMMER LEVEL.—OUTDOOR TRADE HEAVY.—DOINGS AT BELLE ISLE.—VARIOUS MATTERS OF INTEREST TO THE CRAFT.

No extraordinary feature is apparent in trade at the present time. An abundance of roses, which are good, is everywhere to be seen, while carnations are still considerably off crop, but those available are of excellent quality and no reduction of price on them is yet felt. The approaching warm weather is fast diminishing the supply as well as the size of violets and very little bulbous stock is now to be had. Smilax is very scarce and has been for some time past. Interest is daily increasing in outdoor planting and an increased demand for small shrubbery and perennial stock is very noticeable. Bedding plant trade is expected to be better this season than ever before.

The new horticultural building and aquarium to cost $150,000 is being built on Belle Isle. Three houses were erected last fall each 20x100 feet and three more are to be built during the coming summer each 20x125 feet. The Varian system of heating will be adopted for the whole place Already 400,000 plants are ready to be planted throughout the park system, exclusive of 400,000 pansies, the most of which are being planted on Belle Isle.

The club meeting Wednesday evening was well attended, the keenest interest being shown by all in a paper read by E. Oestreicher on "Trials and Troubles of the Florist's Employe." A lively discussion followed, participated in by many of those present, both employers and employes.

Fred. Lempke, son of F. W. Lempke, the Moran street florist, died Sunday morning of appendicitis. The deceased was 29 years of age. His body was cremated Wednesday. The Florists' Club, of which he was a member, adopted suitable resolutions and sent an offering of flowers to the family.

Charles Distelrath, who has been employed by different florists of the city for the past eight years has purchased a piece of ground near Mt. Olivet cemetery where he will soon erect greenhouses. As there are no other florists in that vicinity his prospects for trade there seem very bright.

Hugo Schroeter goes to New York this week to enter the employ of H. A. Siebrecht & Son's retail department.

J. F. S.

Cleveland.

GOOD WEATHER FAVORS THE CARNATIONS FRESHLY PLANTED IN THE FIELD.—ALL THOUGHTS NOW CENTERED ON SPRING STOCK.—BUILDING OPERATIONS WELL UNDER WAY.

Practically all the carnation planting is over and everybody feels happy, as the past week has been a favorable one for young plants, with plenty of warm rains to help them. All thoughts and energies are at present concentrated on spring stock. Easter coming as early as it did, gave the plantsmen a chance to get their stock in good condition for spring sales. Graham, Hart, Schmitt and F. Aul have exceptionally fine lots of spring stock, especially geraniums. Hart has his usual supply of his famous 5-inch plants which readily bring $2 50 per dozen at retail. He considers Mme. Barney and Edith Perkins two of the best pinks for bedding. Edith Perkins does best in a heavy clay loam. Barney is just the opposite, requiring a very light soil to make it do well.

Building has commenced in earnest. The J. M. Gasser Company has the posts up for six houses, four 300 feet long, one 200 feet and one 150 feet. The F. R. Williams Company has started to remodel a number of its old houses. Others are waiting until after Memorial day to start in.

ECHO.

Washington.

PLANS OF AN ALEXANDRIA GROWER.—NEW HOUSES.—TRADE FAIR AND STOCK PLENTIFUL.

C. Ponnet & Company, of Alexandria, Va., have opened a store, the first one in Alexandria, at 529 King street, and have had a fairly good trade this spring. At the greenhouses, 2012 Duke street, they have a fine stock of young roses for planting in the houses. They will use this year about 4,000 Bride, Bridesmaid, Golden Gate and Mme. Chatenay. They are making preparations to build four new houses, two 25x112 and two 10x112, having the glass already on hand.

Trade is fairly good and stock plentiful, especially carnations and sweet peas. Some of the florists made quite a number of fine designs for the funeral services at the capitol for the late Hon. A. J. Cummings. There was quite an array of flowers.

P. G.

STOCKBRIDGE, MASS.—The Laurel Hill Nurseries, encouraged by the widespread demand experienced this spring, will go heavily into the best novelties in pæonias, irises, pyrethrums and other specially desirable hardy perennials and choice native shrubbery.

WEST CHICAGO, ILL.—Otto Haupt, gardener for the Northwestern, is practicing a new style of gardening along the road's right of way just outside of Chicago. Lawn is being made over the embankments on both sides of the track and vines are being planted to cover the fence.

The Chicago Market.

Warm weather has brought on abundant supplies of seasonable stock and the market is somewhat unsettled in consequence, but trade is good and those who cannot afford to be disappointed are advised to send their orders to the Kennicott Bros. Co. Their resources are the greatest in the market and they never disappoint if the order reaches them enough ahead of train time to let them get the box to the depot.

It is remarkable the way the shipping business in this market has grown the past few years. It is so big that all the express companies have special wagons to handle the flower shipments and hundreds of boxes go out each day. The Kennicott's were the pioneers in this trade and have always done the largest share of the shipping business. They began by seeing that every customer got satisfaction on every order; seeing in the first place that nothing went amiss and being prompt to make it right if anything unpreventable happened That's the policy that built up their business and its the policy that keeps it up.

Another thing is that the Kennicotts always bill stock at market rates. If the market weakens they give out of town customers the benefit, no matter what the price list may say. For that reason it hardly pays for them to issue a price list; buyers don't look for it, for they know that the stock will come billed at the same rate paid by city retailers for the same grade of goods.

Spring is always one of the Kennicotts busiest seasons. The receipts of roses and carnations are tremendous then and spring flowers, too, are a big item. Through long years they have come to be regarded as **PÆONIA** headquarters, and this is always an important flower for Decoration Day, June weddings and school closings. The pæonias have already begun coming in in small quantities, and in a few days there will be plenty of them. You can order pæonias of Kennicotts right up to Fourth of July and always get prime stock. It promises to be better this year than usual.

KENNICOTT BROS. CO.

Wholesale Commission Florists and Dealers in all Florists' Supplies.

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Specialties for School Closings and Decoration Day

Baskets, Ribbons, Silk Cords, Moss Wreaths, Cycas Wreaths, Cycas Leaves and Cut Flowers

OF ALL KINDS. BUY OF HEADQUARTERS.

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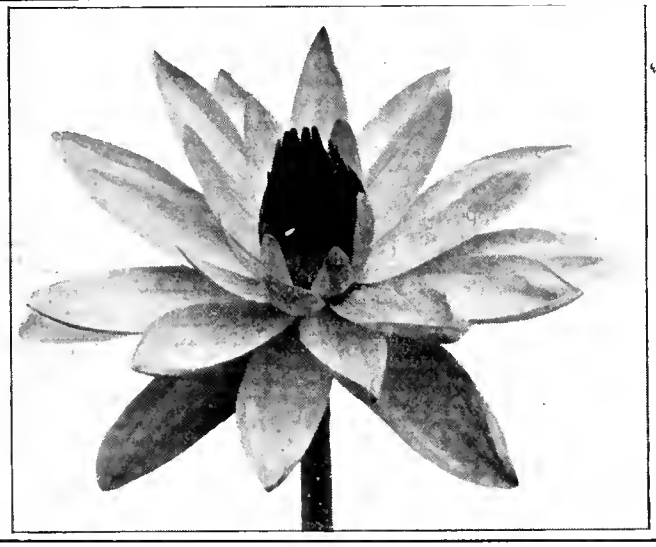

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Hardy Water Lilies

in order to secure best results this season. We have the largest and most complete collection of Hardy Nymphæas in the world. It embraces American and French Hybrids, native and foreign species. For prices see our Spring edition of Dreer's Wholesale Price List, which is sent to the Trade only. We are pleased to answer all correspondence regarding making of ponds, best varieties, etc.

HENRY A. DREER, 714 CHESTNUT STREET, Philadelphia, Pa.

TAKE NOTICE.

An immense stock and full line of the choicest bedding plants now ready, and quote you the following low prices for cash, out of pots:

Ageratum, blue, $7.00 per 100.
Begonia Vernon, red, and **Erfordi**, pink, just beautiful, $8.00 per 100.
Begonias, best mixed, Santo Sonia, Pres. Carnot and others, $1.00 per dozen.
Calendula, pure yellow, $6.00 per 100.
Cobæa Scandens, 4-in. pots, staked up, 2 ft. high, $8.00 per 100.
Fuchsia, mixed varieties, 4-in. pots, $8.00 per 100; 5-in., $1.50 per doz.
Geraniums, have 10,000 of them, such as La Pilot, double red; Mme. Thibaut, double pink; La Favorite, double white, and other varieties in 4-in. pots, $7.00 per 100.
Heliotrope, 4-in., $7.00 per 100.
Honeysuckle, sweet scented, 5 to 6-in pots, 20c to 25c each.
Nasturtiums, Empress of India and other choice colors, $6.00 to $7.00 per 100.
Ivy Geraniums, mixed colors, 4-in. pots, $7 per 100.
Periwinkle, large plants, 4-in. pots, $1.00 per doz.
Scarlet Sage, best varieties, very fine, strong plants, $7.00 to $8.00 per 100.
Daisies, white and yellow, from 7-inch pots, full of flowers, 2½ ft. high, $2.00 per doz.
Dracæna Indivisa, 7-inch pots, about 3 ft. high, imported, 75c to $1.00 each.

I have the following small plants to offer, out of 2½ and 3-inch pots:

Alyssum, Little Gem. **Ivy**, Kenilworth.
Alternanthera, red & yel. **Lobelia**, trailing.
Cuphea. **Phlox Drummondi**.
Coleus, mixed colors. **Petunia**, single, dwarf variegated and California, giant.
Tradescantia. **Torenia Fournieri**.
Verbenas, have 10,000 of them, mixed colors.
Asters, 2 and 2½-in. pots, $2.00 per 100; choice colors, mixed or separate.

25 plants sold at 100 rate.

GODFREY ASCHMANN,
(Rising Sun.) 1012 Ontario St., PHILADELPHIA, PA.

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Imported Bulbs for Florists' Forcing

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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 Spiræa** are unexcelled.

Bulbs secured from us will be subject to careful inspection and approval on arrival, and if in any way unsatisfactory, will be made good at once.

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 shipments and large importations supply half our profits.

Write for Prices before closing any forcing stock orders.

VAUGHAN'S SEED STORE,
14 Barclay St., New York.
84-86 Randolph St., Chicago.

Westerly, R. I.

REUTER PLACE ONE OF MANY INTERESTS.—CARNATIONS NOW THE PRINCIPAL CROP.—GOOD GROWERS IN CHARGE.—A BRANCH IN CONNECTICUT.

S. J. Reuter's greenhouse establishment has been considerably enlarged since I last visited it, some two years ago. A modern range of some forty houses is, indeed, an interesting place to visit. What is especially noteworthy is the perfect system and order obtaining throughout, every section being under the care of a competent man. Thus G. A. Koenig, for a number of years with Nanz & Neuner, of Louisville, Ky., takes charge of the rose houses, while Jos. Renard, a skilled grower from Chester county, Pa., presides over the carnation range, the result being splendid stock and in paying quantity. While roses were always Mr. Reuter's specialty and while still devoting eight large houses to their cultivation, carnations constitute the bulk of the stock grown. Twenty-five houses are given to this flower and a finer, cleaner or more vigorous stock it would be hard to find. I need not enumerate the varieties grown; suffice it to say that no back numbers are found here. Mr. Reuter's own seedling, the one he purchased from J. Pond, of Foxborough, Mass., the introducer of the well known Mrs. Fisher carnation, promises to attract a deal of attention next season, when it will be put on the market. Lillian Pond is a fine commercial variety, the flowers being of a pure, glistening white, averaging three inches in size, with a fine stem, fragrant, early and continuous. Like Mrs. Fisher, one of its parents, it is a fine bloomer in the field and will yield quantities all through the summer months.

The Spaulding greenhouses at New London, Conn., since they came into the possession of Mr. Reuter, have been somewhat remodeled and improved. W. S. Phelps, of South Framingham, Mass., has charge of the place and things about the establishment show the result of good care. A fine and well appointed flower store at Main and State streets is one of Mr. Reuter's additional acquisitions. NOMIS.

LAKE GENEVA, WIS.—George L. Holmes has left here for Monticello, Ill., where he will take charge of R. Allerton's place.

MILWAUKEE, WIS.—Herman W. Koerner, 1175 Kinnickinnic avenue, has bought fifteen acres of land about two and one-half miles west of the city and will at once begin the erection of a large range of glass for roses and carnations. He also intends growing ornamental nursery stock, hardy perennials and so forth.

Orchids!

Arrived in excellent condition: Cattleya Skinneri, Peristeria elata (Holy Ghost Orchid), also Cattleya Dowiana and a number of Dendrobiums. Write for our illustrated and descriptive catalogue of orchids.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

RHODODEDRONS....

500 Clumps of Rhododendron Maximum, 6 to 8 ft. high, at $25 a doz. Prices of smaller clumps and Kalmias on application.....
L. F. KINNEY, Kingston, R. I.

Carnation Floriana

We believe this to be the best pink carnation introduced to date, was disseminated in the spring of 1901 by originators, Messrs. Fillow & Banks. Price, $6.00 per 100; $50.00 per 1000. 50 at 100 rate, 500 at 1000 rate. Less than 50, 8c each.

DAILLEDOUZE BROS. Carnation and Chrysanthemum Specialists, FLATBUSH, BROOKLYN, N. Y.

FOR MEMORIAL DAY.

NEW CROP DAGGER FERNS
Are now ready, A No. 1 quality, $1.50 per 1000.

BOUQUET GREEN
Princess Pine, 6c per lb.

BRONZE AND GREEN GALAX,
5000 lots, 75c per 1000.

LEUCOTHOE SPRAYS
75 cents per 100.

LAUREL FESTOONING
4c, 5c and 6c per yard. LAUREL WREATHS, to order, any size.

BOSTON, May 3rd, 1902.
We would respectfully inform the trade that our new crop of Dagger Ferns is now ready and they are A No. 1 quality. We carry a full assortment of Florists' Hardy Supplies as follows: Bronze and Green Galax, Hardy Cut and Fancy Ferns, Bouquet Green, Laurel Festooning, Laurel Wreaths, Bundle Laurel, etc.
P. S.—Extra choice Dagger Ferns, $2.00 per 1000. Satisfaction guaranteed and quick delivery. Order them now and avoid disappointment and the rush. Long distance telephone, 2618 Main.

HENRY M. ROBINSON & CO.
32-34-36 COURT SQ., BOSTON, MASS

FANCY or DAGGER FERNS $1.50 PER 1000
PRINCESS PINE, 5c per lb.
GALAX, green or bronze, 75c per 1000. Laurel festooning, 4c, 5c and 6c per yd. Green or Sphagnum Moss. Send for prices on large orders.

Telegraph Office
New Salem, Mass.
CROWL FERN CO., P. O. Millington, Mass.

GALAX Bronze or green, 75c per 1000, in 2 00 lots or over; single 100), $1.00. Fern, Fancy, $2.50 per 1000; Fern, Dagger, $1 50 per 1000. Leucothoe Sprays, bronze and green, assorted sizes, $1 per 100. Green sheet moss, $2.50 per bbl. bag.
L. J. KRESHOVER.
110-112 W. 27th Street, NEW YORK CITY.
Telephone call, 597 Madison Square.
HARRY A. BUNYARD, Mgr.

It will be to your advantage to ascertain the rates from Chicago to New York, New England and all eastern points applying over the Nickel Plate Road and its eastern connections. Three daily trains, on which there is no excess fare. One feature of service on that road is meals in dining cars, on American club plan. Pay for what you get, but in no event more than from 35c to $1.00. Folders, rates and all information cheerfully furnished by applying to John Y. Calahan, General Agent, 111 Adams St., Chicago, Ill. Depot, Fifth Ave. and Harrison St. 4

Dracaena Indivisa, 4-in. $10; 5-in....$15.00

	Per 100
Vincas, 5-inch	10.00
Geraniums, mixed.....4-inch $5.00; 3-inch	3.00
Salvias.....4-inch $5.00; 3-inch	3.00
Begonias, Flowering, 3-inch	3.00
" Rex	6.00
Sweet Alyssum, 2½-inch	2.00
Saxifraga, 3-inch	3.00
Cannas, 4-inch	5.00
" 3-inch	3.00
Pansies, fine, in bloom	2.00
" " "	1.00
Bellis Perennis	1.00
Spotted Calla, 5-inch	20.00

J. S. BLOOM, Riegelsville, Pa.
Please mention the American Florist when writing.

BEDDING Plants.

	Per 100	Per 1000
Roses, Brides and Maids, 2-in	$2.00	$18.00
Geraniums, best var., 3 and 4-in	$3.50 to $7	
" Mme. Salleroi, 2-in	2.00	
Dracæna Indivisa, 5-in	10.00	
Heliotrope, 2-in	2.00	18.00
Petunia, large dbl. flowers, 2 in	2.00	18.00
Lobelia, C. P. C. and White Gem, 2-in.	1.50	
Alyssum, 2-in	1.50	
Salvia Bonfire, 2-in	2.00	18.00
Smilax, from flats, 25c; by mail	.30	
Asters, best strains, strong transplanted	.50	

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McALLISTER & CO., Batavia, Ill.

NOW COMPLETE IN FOUR VOLUMES.

Cyclopedia of American Horticulture

Comprising suggestions for cultivation of horticultural plants, descriptions of the species of fruits, vegetables, flowers, and ornamental plants sold in the United States and Canada, together with geographical and biographical sketches

By L. H. BAILEY,
Professor of Horticulture in Cornell University,
Assisted by WILHELM MILLER, Ph. D., Associate Editor,
and many expert Cultivators and Botanists.

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AMERICAN FLORIST COMPANY,
324 Dearborn St., Chicago.

ROOTED CARNATION CUTTINGS.

Why not get the Best? They are the Cheapest.

You don't have to buy 200 to have 100 fit to plant out, when planting time comes. For every 100 we send, you have 101 when ready to plant. We have the finest and largest stock of NORWAY and ESTELLE in the country. Stock marked (*), now ready in flats. ☞ Send us a list of your wants for special prices on large lots.

	Per 100	Per 1000
*General Maceo	$1.75	$15.00
*Ethel Crocker	1.75	15.00
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*Mrs. G. M. Bradt	2.50	20.00
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*Mrs. T. W. Lawson	5.00	40.00
*Queen Louise	5.00	45.00
*Norway	4.50	40.00
Prosperity	6.00	50.00
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BOSTON FERNS.

In pans, grown the way you like them, full, bushy, compact stock, ready for your counter trade.

	Each	Doz.	100
12-inch pans	$4.00	$40.00	
10-inch pans	3.00	30.00	
9-inch pans	2.00	20.00	
8-inch pans	1.50	15.00	
7-inch pans	1.00	10.00	
6-inch pans	.75	8.00	$60.00
5-inch pans	.50	5.00	40.00
4-inch pots		2.50	20.00
3-inch pots		1.50	10.00
2½-inch pots		.60	5.00

ASPARAGUS PLUMOSUS NANUS.

Fine bushy stock in large quantity.

	Doz.	100	1000
5-inch pots	$4.00	$30.00	
4-inch pots	2.00	15.00	
3-inch pots	1.00	8.00	$70.00
2½-inch pots	.60	5.00	40.00

ARAUCARIA EXCELSA. A Big Bargain.

5-inch pots, 18 to 20 inches high, 4 to 6 whorls, each, 75c; dozen, $9.00.

FICUS ELASTICA (Rubber Plant).

7-inch pots, 36 inches high, very fine stock, $9.00 per dozen.

PHŒNIX CANARIENSIS.

Fine bushy plants, 8-inch pots, 36 inches high, each, $2.50; dozen, $24.00.

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Florists' Calendar FOR MAY.

SEEDS TO SOW NOW.

	100	1000
ASPARAGUS PLUMOSUS NANUS (true),	$ .85	$7.50
" **SPRENGERI**	.25	2.00
PRIMULA SINENSIS FIMBRIATA, in pure white, rose, crimson, blue	.25	.75
PRIMULA, mixed, finest strains	.20	.50

CINERARIA HYBRIDA max. grandi., pkt., 500 seeds, 25c; 5000 seeds, $1.00.
CINERARIA HYBRIDA nana, dwarf, pkt. 500 seeds, 25c 5000 seeds, $1.00.
CALCEOLARIA HYBRIDA grandi., or dwarf grandi., pkt., 25c.
Our Specialty. BERGER'S Never Fail Pansy Mixture, made up by ourselves from choicest prize sorts containing all colors and sorts. **TRY IT,** you will come again. 1000 seeds, 25c; 5000 seeds, $1.00. We also offer all best named sorts, Snow Ring, Gold Else, Faust, Queen Victoria, Meteor, Lord Beaconsfield and many others, separate, at 1000 seeds, 25c; 5000 seeds, $1.00. **Bugnot, Odier, Cassier, Trimardeau,** same price. **Cassier's New Giants, unrivalled,** 500 seeds, 20c; 1000 seeds, 30c.
SWEET PEA SEED, in florists' best sorts, your choice as to name, lb. 25c; 5 lbs. $1.00. Mixed Eckford's, lb. 20c.
Just in, PANDANUS UTILIS Seed, 100 $1.00; 1000 $8.50.
Fern Spores, choicest mixed, pkt. 25c.

CLEARANCE OF WINTER STOCK

as long as it lasts.

LILY BULBS, Rubrum or Album, 6 to 8-in., $2.50 per 100; 8 to 9-in., $3.50 per 100; 9 to 11-in., $5 per 100; 11 to 12-in., $3 per 100.

	100	1000
Gladioli—American Hybrid, 60 per cent white and light	$1.00	$8.00
May, well-known florists' favorite	1.50	14.00
Begonias, sgl., 1 to 2-in., separate colors	1.75	15.00
" dbl., 1 to 2-in., mixed	3.00	
Montbretias, finest grandiflora sorts	.60	5.00

Left a few hundred choice fancy leaved **Caladiums** per doz. 75c; 5.00
CYCAS REVOLUTA, ½ to 20 lbs.; 100 lbs., $7.00; 500 lbs., $30.00.
Iris Kæmpferi, 100 in finest sorts, $7.00; dozen, $1.00.
Tuberose Bulbs, 3 to 4-inch; 1000, $6.00.

NEW DAHLIA GERMANIA GIANT.

Finest silvery pink. Large flowers on long stiff stems; sold at 25 cents a dozen through season in New York Market. Certificate of merit at Madison Square flower show 1901. Strong field-grown clumps, each 25c; dozen, $2.50; 100, $15.00.

☞ Above stock is cheap only to **CLEAR** out. Bulbs are of the finest grade and quality.

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GOOD CLEAN STOCK, WELL ESTABLISHED.

Brides, Bridesmaids, Meteors and Golden Gates,

2-in. rose pots, $30 per 1000; 3-in. rose pots, $45 per 1000; 4-in. rose pots, $60 per 1000.

CHRYSANTHEMUM ROOTED CUTTINGS.... TIMOTHY EATON, $3 per 100.

The following varieties at $1.50 per 100:

WHITE—Early. Fitzwygram, Kuno.
WHITE—Mid-season. Ivory, Snow Queen, Evangeline, Mrs. H. Robinson.
WHITE—Late. Mrs. Jerome Jones.
YELLOW—Early. Yellow Fitzwygram, Marion Henderson.
YELLOW—Mid-season. Bonnaffon, Mrs. O. P. Bassett.
YELLOW—Late. Yellow Jerome Jones.
PINK—Early. De Montmort, J. K. Shaw, Glory of Pacific.
PINK—Mid-season. Xeno, Pink Ivory.
PINK—Late. Mrs. Murdock.

Greenhouses, HINSDALE, ILL. **BASSETT & WASHBURN,** Store, 76 Wabash Ave., CHICAGO.

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IF YOU WANT

Cannas in 3 and 4-in. pots, Caladiums in 6-in. pots, Verbenas, Pansies, Ageratum, Salvia, Heliotropes, Vincas, English Ivy, Asters. If you want

GERANIUMS in 3 and 4-inch pots—Red, White, Pink, Salmon, Rose, Ivy and Pelargonium, Mme. Salleron. If you want

Smilax, Asp. Plumosus, Asp. Sprengeri.

If you want ROSES You are interested. See our list in last week's number of this paper. Especially fine **PERLES** in 3x2½-inch.

BOSTON FERNS.

Don't fail to write us about them, or better yet, **Order a Hundred for a Sample.** 2½, 3, 4, 5, 6, 8 and 10-inch. **Write**

GEO. A. KUHL, PEKIN, ILL.

SPECIALTIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery,
CHRYSANTHEMUMS,
SMILAX, VIOLETS.

In Best Varieties

Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.

ROSES

Crimson Rambler, Climbing Clothilde Soupert.

Ramblers, 3 to 4½ ft., well branched...$10 per 100
" 2½ to 3 ft., " " ... 8 per 100
" 1½ to 2½ ft., " " ... 6 per 100
Soupert, strong field-grown plants..... 15 per 100

The Conard & Jones Co, West Grove, Pa.

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San Francisco.

STOCK VERY PLENTIFUL AND PRICES GENERALLY LOW.—BUSINESS STILL FAIR. —NOTES OF VARIOUS DOINGS AMONG THE GROWERS AND RETAILERS.

Continued warm weather is bringing along the spring crops and flowers are now to be had in any quantity and at any price. White carnations, especially, have dropped in price and can be bought for from 10 cents to 20 cents per dozen. Scott and Portia are the same, but fancies continue at from 35 cents to 50 cents per dozen. Roses are also plentiful but the chances are that both these items will be scarce for Memorial day. Sweet peas have held their price at from $2 to $2.50 per dozen bunches of seventy-five flowers, and lilies have gone up a little, to $2.50 per dozen stalks. Business continues to be good.

The Misses Warren had the decoration for the wedding of Miss Huntington and G. B. Perkins, more than 100 dozen stalks of lilies being used, besides thousands of carnations, roses and other flowers.

Ferrari Brothers have finished their new range of eight houses and commenced to stock them with roses and carnations. Of the latter Estelle, Lawson and Queen Louise will be planted largely.

Mr. Shanahan is around again. He has been laid up with appendicitis for about four weeks. The firm has been quite busy with funeral work for the late Mrs. Tevis.

John Carlson, who has been conducting a jobbing garden business combined with a flower store and nurseries on Fillmore street, intends to sell out and retire.

Matraia & Company were very busy this last week with funeral and wedding orders.

P. Fagoni has started a flower store on Fourth street. GOLDEN GATE.

MONTREAL, ONT.—The Gardeners' and Florists' Club has removed its headquarters from the Natural History building to the Alexander rooms, 2204 St. Catherine street, where meetings will be held in future on the first and third Monday of each month. W. H. Horobin is secretary.

1-Year-Old Bench

Beauty Plants

$50.00 PER 1000.

Have been one year on bench Perfectly Healthy stock, guaranteed to be satisfactory in every respect. Special care given to dampening and mossing of roots for shipment. Only a few of them left. Also the following 2½ inch Rose plants, fully as good as any we have ever sent out:

METEOR, $2.50 per 100; $20.00 per 1000.
MAIDS, 3.00 per 100; 25.00 per 1000.

J. A. BUDLONG,
37-39 Randolph St. CHICAGO.

CUT FLOWER

Dahlias, all field roots, two new kinds: **Emperor**, the darkest cut Dahlia in trade, and **Giant**, the finest Cactus up to date. The flowers are 7 to 8 inches in diameter, color black, on very strong stems, each kind $1.50 per doz. 100 fine cut Dahlias for $1.00, all named and the best in the trade. **Cannas**, Mme. Crozy, Black Prince, Burbank, Henderson, $2.00 per 100. **Hollyhocks**, Allegheny strain, $2.50 per 100. Cash please. **Shellroad Greenhouse Co., Grange P. O., Baltimore, Md.**

Plant Now LILY of the VALLEY

FOR JUNE WEDDINGS. Select Valley Pips from Cold Storage, properly packed and thoroughly frozen, $13.00 per case of 1000. These were put up specially for the benefit of my out-of-town customers and can be shipped at once. Original cases of 2500, $31.25; $1.50 per 100.

H. N. BRUNS, 1409-1911 W. Madison St., CHICAGO.

25,000 Verbenas In Bud and Bloom

2 1-2-in. pots, $2.50 per 100; $20 per 1000; 3-in., $3.50 per 100; 1000, $30.

J. L. DILLON, BLOOMSBURG, PA.

Seasonable Stock,

	Per 100
GERANIUMS—New and scarce vars.	$5 00
Standard sorts	3.00
BEGONIA REX—Best varieties, in 2½-inch and 3-inch pots	5.00
PELARGONIUMS — Latest novelties and standard kinds $8.00 to	12.00
FEVERFEW (Matricaria)	2 50
PHALARIS—Arundinacea Var., for bordering canna beds	4 00
RUDBECKIA—Golden Glow—2-in. pots	2.50
HELIANTHUS—Multiflorus Maximus —Single, 2-inch pots	2.50
Rigidus—2-inch pots	3.00
NEPHROLEPIS Cordifolia—3-in. pots	4.00
ANEMONE Japonica — Queen Charlotte—2-inch pots	4 00

NATHAN SMITH & SON,
ADRIAN, MICH.

BAY TREES

PYRAMIDS, 4 feet high	$10.00 a pair
" 5 feet high	12 00 a pair
" 5½ feet high	14.00 a pair
" 6½ feet high	20 00 a pair
" 7 feet high	22.00 a pair
" 8 feet high	25.00 a pair
STANDARDS, dia. of crown, 24 inches	15.00 a pair
" dia. of crown, 23 inches	18 00 a pair
" dia. of crown, 28 inches	20.00 a pair
" dia. of crown, 3 feet	30.00 a pair
" dia. of crown 3½ feet	35.00 a pair
" dia. of crown, 4 feet	50.00 a pair
STANDARD BOXWOOD CROWNS	5 00 a pair

All the above plants are in green-painted pots. Plants of perfect shape. Cash with order. If to be shipped outside New York, add 50 cents each for packing.

ANTON SCHULTHEIS, Florist,
P. O BOX 78. COLLEGE POINT, L. I.

Boston Ferns

Fine plants, $25 per 100.

DRACÆNA INDIVISA, 6-inch, $6 00; 7-inch, $7.00 per doz; 2 ft. up, extra fine.

KENTIAS, 6-in., $75 and $100 per 100.

20,000 GERANIUMS, 3½ and 4-in., in bud and bloom, $7 per 100, upwards. Nutt, Jaulin, Poitevine, Mt. Snow, La Favorite, etc., etc., and new ones—Jean Viaud, Jacquerie, Thos. Meehan, etc., etc., straight kinds.

VINCA VAR., long strings, 5 and 6 inch, $2 00 to $3 00 per dozen.

Hardy Myrtle Clumps, $15 per 100.

Alternanthera, 3 kinds, $15 per 1000.

L. H. Foster, 45 King St, Dorchester, Mass.

WANTED, AT ONCE, 800
Grafted BRIDES and MAIDS.
Address Callister, Irondequoit, N. Y.

Hypericum Moserianum

A good, hardy under shrub, suitable for landscape work or for conservatory decoration. Almost evergreen when protected; bearing very large, yellow flowers 2 inches in diameter. Nice, strong, well-rooted plants, from 3-in. pots, $3 per 100; $25 per 1000.

LAUREL HILL NURSERIES,
STOCKBRIDGE, MASS.
Importers and Growers of Choice Trees, Shrubs and Hardy Perennials.

FUMIGATION METHODS
By PROF. W. G. JOHNSON
Formerly State Entomologist of Maryland

A Practical Treatise and timely work on cheap and effective means of destroying insect pests and other vermin in various places. This work is the outcome of practical tests made by the author, together with the experiences of others, and is one of the most important books published this season and is much needed at this time. It will be of particular interest to

FRUIT GROWERS AND NURSERYMEN owing to the widespread prevalence of the notorious San Jose scale. Hydrocyanic acid gas is the only practical remedy for the destruction of this pest and is being used more extensively than ever before by nurserymen and fruit growers. The perfection of the apparatus for fumigating young orchard trees is outlined in this work. The methods can be easily applied in orchards and nurseries for many dangerous pests at very small cost. The writer is considered the best authority on this subject in this country and has left nothing undone to make this the most complete work of the kind ever published.

GARDENERS AND FLORISTS have found that vegetables and flowers cannot be grown under glass without frequent fumigation for the destruction of insect pests. Hydrocyanic acid gas has solved this problem. The methods of procedure are fully described and every detail is given for generating and applying the gas.

MILLERS AND GRAIN DEALERS have been looking forward to the publication of this work, as hydrocyanic acid gas has been found one of the most important materials for clearing mills and warehouses of insects. The subject of carbon bisulphide for fumigating mills and elevators containing grain in storage is also thoroughly considered. To this trade the work is indispensable and transportation companies have found it of great value for the fumigation of cars, ships and other inclosures infested with vermin.

FARMERS OF THE COUNTRY have here fully described a simple, easy remedy for gophers, prairie dogs, squirrels and other animals in the ground, and rats and mice in any inclosure.

COLLEGE AND STATION WORKERS will find it an up-to-date reference work on this subject. It is complete in every respect and is the only work of the kind ever published. It is written in a popular non-technical style, profusely illustrated, handsomely bound, covering 250 pages, price, postpaid, $1.00.

AMERICAN FLORIST CO.
324 Dearborn St. CHICAGO, ILL.

THE KINNEY PUMP.

For applying liquid manure it has no equal. Sent prepaid for $2.00.

THE HOSE CONNECTION CO., Kingston, R. I.

Please mention the American Florist when writing.

The New White

That is Herd to Beat. Rooted Cuttings from flats, A No. 1. stuff. Per 100, $4.50; per 1000, $40.00.

Vaughan's Seed Store, CHICAGO New York

ROOTED

Carnation Cuttings

	Per 100	Per 1000
G. H. CRANE	$1.25	$10.00
FLORA HILL	1.25	10.00
MARQUIS	1.25	10.00
PROSPERITY	4.00	30.00
LAWSON	3.00	25.00
IRENE	3.00	25.00
WHITE CLOUD	1.25	10.00
JOOST	1.00	6.00

Rose Plants.

From 2½-in. pots.	Per 100	Per 1000
BRIDE	3.00	25.00
BRIDESMAID	3.00	25.00
METEOR	3.00	25.00
GOLDEN GATE	3.00	25.00
PERLE	3.00	25.00
KAISERIN, 3-in. pots	4.00	35.00
LIBERTY, from 2½-in. pots	7.00	60.00

GEO. REINBERG,
51 Wabash Ave., Chicago.

Asparagus
PLUMOSUS NANUS....

From flats, $2.50 per 100; $20.00 per 1000. 25 at 100 rates; 250 at 1000 rates, prepaid. CASH.

LOOMIS FLORAL CO.
LOOMIS, CAL.

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2 1-4 inch Beauties

We have a fine lot of 2¼-in. Beauties at $5 a 100; $45 a 1000; also the following Teas:

BRIDE	$2.50 per 100;	$22.50 per 1000
MAID	2.50 per 100;	22.50 per 1000
METEOR	2.50 per 100;	22.50 per 1000

ORDER AT ONCE.

GRAND RAPIDS VIOLET CO.
GRAND RAPIDS, MICHIGAN.

Please mention the American Florist when writing.

ROSE PLANTS!

2½-in. pots.	Per 100	Per 1000
METEOR	$3.00	$25.00
PERLE	3.00	25.00

2½-in. pots.	Per 100	Per 1000
GOLDEN GATE	$3.00	$25.00
LIBERTY	12.00	100.00

CARNATION CUTTINGS.

All the new and standard varieties, free from rust and all other diseases. Our stock is in fine shape and all cuttings are well rooted when sent out.

	Per 100	Per 1000
HIGINBOTHAM	$12.00	$100.00
MRS POTTER PALMER	12.00	100.00
PROSPERITY	4.00	30.00
NORWAY	5.00	40.00
IRENE	3.00	25.00
LAWSON	3.00	25.00
BON HOMME RICHARD	3.00	25.00
HOOSIER MAID	3.00	25.00
CRANE	1.25	10.00
THE MARQUIS	1.25	10.00
GENEVIEVE LORD	1.25	10.00
ARGYLE	1.00	7.50

	Per 100	Per 1000
FRANCES JOOST	$1.00	$7.50
CERISE QUEEN	1.00	7.50
TRIUMPH	1.25	10.00
PERU	1.00	7.50
AMERICA	1.25	10.00
MRS. L. INE	1.50	12.50
MRS. BRADT	1.75	15.00
ARMAZINDY	1.25	10.00
GUARDIAN ANGEL	1.25	10.00
EVANSTON	1.00	7.50
ESTELLE	5.00	40.00
MORNING GLORY	2.00	17.50

All Plants and Rooted Cuttings sold under express conditions that if not satisfactory when received they are to be returned immediately, when money will be refunded.

Write for prices on large quantities.

Peter Reinberg, 51 Wabash Ave., Chicago

The Sensational New Rose for 1902,
MRS. OLIVER AMES.

For description, prices, etc., see Trade List.

Henry A. Trask, Editor of "North American," says in a letter dated Feb. 19th, 1902. The box of roses arrived safely last Saturday afternoon. Please accept my thanks. To my mind they are the realization of the ideal. Yours very truly, H. A. TRASK, Editor.

$100.00 IS OFFERED IN PRIZES for Cut Flowers of this Rose at Madison Square Show next fall.

CHRYSANTHEMUMS Some new European varieties of sterling merit, the stock of which we control for the American Market, and also all the cream of last year's new European varieties, and all the New American varieties of this season's introduction; for those contemplating growing for the shows next fall the above will prove winners.

JOHN N. MAY, Summit, N. J.

Look out for Our

NOVELTIES

For Next Season.

HARLOWARDEN, crimson.
MARSHALL FIELD, variegated
HER MAJESTY, white.

Chicago Carnation Co., Joliet, Ill.

JOSEPH HEACOCK,
Wyncote, Pa., Grower of
Palms and Am. Beauty Roses.

Ivory

or White Golden Gate.

Guaranteed TRUE STOCK

Strong plants out of 2-in. pots.
$6.00 PER 100.
27.50 PER 500.
50.00 PER 1000.

W. A. Hammond
107 E. Broad St., Richmond, Va.

OUR DIECTORY FOR 1902 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE TWO DOLLARS.

Toronto.

TRADE LETS UP WITH THE ADVENT OF SPRING.—QUALITY OF STOCK DETERIORATING.—MARKET FULL OF GERANIUMS.—SEEDSMEN BUSY.

Business has fallen off considerably the past week. Something in the atmosphere seems to have affected all customers at the same time and orders are scarce. Bridesmaids and Brides are hardly as good as a week ago but Meteors and Perles are decidedly better, the former being much larger and of a very rich color. Morgan and Hoste are also of good quality and Beauties are more plentiful than at any time since last season. The heavy run on carnations is letting up a little, but whites are still in great demand and likely to remain so for the summer. Bulbous stock is not in heavy supply but the outdoor varieties will soon be with us. Harrisii and callas are plentiful and the green goods question is easing.

St. Lawrence Market is again seen in its coat of many colors, as supplied by the gardeners. The last few days of fine weather have been very favorable and sales are increasing accordingly. A record season is anticipated by those in a position to know.

The seedsmen report very heavy sales. J. A. Simmers and the Steele Briggs Company are both working nights, trying to catch up with orders. Simmers has shipped a car load of seeds to different gardeners at Prince Edward Island.

Jay & Son have secured a ten years lease on their Spadina avenue store and will do considerable remodeling.

H. G. D.

EAST ST. LOUIS, ILL.—August Mirring is increasing his facilities by adding new glass. He is having a prosperous season.

SPRINGFIELD, MASS.—Ex-mayor D. O. Gilmore has offered to build and present to the city a fine conservatory. The proposition was made to the park commissioners through Superintendent C. E. Ladd. The park commissioners are to select the site whereon it will be erected.

BURBANK'S

Shasta Daisy

The coming cut flower and pot plant; nice to follow 'Mums. Plants each 50c; 5 for $1 50; 10 for $2 50; 25 for $5.00.

MITTING FLORAL COMPANY,
LOOMIS, CAL.

FERNS. Mixed varieties, strong stock and good assortment, in 2-inch pots, $3.50 per 100; $30 00 per 1000.

BEARD BROS., West Fort Street, ...DETROIT, MICH.

50,000 Canna Roots

Alphonse Bouvier, Mme. Crozy, Chas. Henderson, Marquant, Burbank, $12.50 per 1000, $1.50 per 100. Mixed, $10 00 per 1000; $1.25 per 100.

MICHIGAN CUT FLOWER EXCHANGE,
DETROIT, MICHIGAN.

Cannas, Roses, Palms, Etc.

CANNAS. Strong, 3-in. pot plants, unless noted at $4 00 per 100.
Florence Vaughan, Italia,
Queen Charlotte, Pres. Cleveland,
J. D. Cabos, Sophia Buchner,
Egandale, Burbank,
Duke of Marlborough, Alsace,
Robert Christie.
Martha Washington, at $6.00 per 100.

ROSES. A general assortment of Ever-blooming varieties, strong, 2-inch and 2½-inch pots, $2.50 per 100; $20 00 per 1000.

GERANIUMS. S. A. Nutt, Mme. Barney, Richelieu, La Favorite, John Doyle, Mme. Charles Molin and Beaute Poitevine, $30.00 per 1000.

	Per 100
Marquis de Castellane	$6.00

Set of 4 New Bruants for 60c.
Set of 8 New Doubles for $1.50.
In good assortment, our choice of varieties, $27.50 per 1000.

	Per 100
PRIMULA FORBESI	$3.00
HELIOTROPES	2.00
SELAGINELLA Emmeliana	2.00
FUCHSIAS, in good assortment of varieties, 2½-in. pots	2.50
BEGONIAS—Vernon and Vulcan	2.50
LANTANAS in variety	2 50

PALMS.

Areca Lutescens, 2½-in. pots, $30.00 per 1000	4.00
Areca Lutescens, 3-in. pots	8.00
Areca Lutescens, 4-in. pots., 3 plants in a pot	20.00
Kentia Belmoreana, 2½-in. pots	7 00
Kentia Belmoreana, 3-in. pots	15 00
Latania Borbonica, 2½-in. pots	3.00
Latania Borbonica, 3-in. pot, $40 per 1000	5 00
Pandanus Utilis, 2½-in. pots	5.00
Pandanus Utilis, 4-in. pots	15.00
Pandanus Veitchii, 4-in. pots, $6.00 per doz.	

The Storrs & Harrison Co.
PAINESVILLE, OHIO.

Geraniums, Petunias, Asters.

GERANIUMS We are still offering the following Superb varieties, extra strong rooted cuttings, which will make salable 2½-in. stock in short notice, labeled and true to name, $1 50 per 100; $14.00 per 1000: S. A. Nutt (best crimson bedder), E. G. Hill, F. Perkins, Beaute Poitevine, Mme. Bruant, Duchess of Orleans, Thos. Meehan, Alphonse Riccard, L. P. Morton, Athlete, J. J. Harrison, E. Kelway, Mme. Jaulin.

DOUBLE FRINGED PETUNIAS Ten novelties, mostly light colors, labeled, fine plants in bud and bloom, from 2½-in. pots, $2 00 per 100; $18.00 per 1000. Same varieties from 2¼-in. pots, $1.75 per 100; $15.00 per 1000. Rooted cuttings, $1 per 100; $8 per 1000.

ASTERS Giant Comet colors white, pink, blue or crimson. Plants from 2½-in. pots, $1.25 per 100; $12.00 per 1000. Cash with order.

THE W. T. BUCKLEY PLANT CO., SPRINGFIELD, ILL.

GERANIUMS.

	Per 100
10 standard Varieties, 2½ inch pots	$5.00
10 Standard Varieties, 3-inch pots	4.00
Ageratum, 2 varieties, blue	2.00
Asparagus Sprengeri	2.00
Verbenas	2.00
Seedling Petunias	3.00

COLEUS.

	Per 100
12 varieties, 2-inch pots	$2.00
Cannas, 8 varieties, 4 inch pots	10.00
Centaurea Cymn., 2-inch pots	2.00
Vinca Variegata, 2½-inch pots	2.50
Asparagus Plumosus, June 1st	3.00

CASH OR C. O. D.

JOS. H. CUNNINGHAM, DELAWARE, O.

Wittboldii Ferns....

A rare chance to get stock of this fine fern cheap. 2½-in. $5, 3-in. $8, 5-in. $20 per 100. Bench plants, good for 2½-in. $3, 3-in. $5, 4-in. $6, 6-in. $25 a 100.

	Per 100
ALTERNANTHERA, pot plants, red, yellow, pink	$2 00
RUSSELIA Multiflora and Elegantissima, 2½-in	3 00
BOSTON FERNS, 3-in	$8 00
VINCA Major, strong	3 00
GERANIUMS, 6 vars	3 00
COLEUS, 10 vars	2 00

CASH PLEASE. **A. J. BALDWIN, Newark, Ohio.**

BEDDING PLANTS.

Strong healthy stock, right prices: Ageratum, Alternanthera, Alyssum, Asparagus, Aster, Cannas, Carnations, Centaurea, Coleus, Daisies, Ferns, Feverfew, 12,000 Geraniums, Heliotrope, Ivy, Lobelia, Nasturtium, 30,000 Pansies, Pelargonium, Petunia, Salvia, Stevia, Stocks, Verbena, Vinca and others. Come and inspect or write for prices on what you want. **LUDWIG MOSBAEK,** 8500 Anthony Ave. near South Chicago Ave., Chicago.

GERANIUMS All the best varieties, extra fine plants. S. A. Nutt, Marvel, Grant, F. Perkins, Mme. Jaulin, La Favorite, Hill, etc., 4-inch in bud or bloom, $5.00 per 100. **PANSIES,** extra fine plants from cold frame, now in bud, $1.00 per 100; $8.00 per 1000. **DOUBLE DAISIES,** large plants, 75c per 100; $5.00 per 1000. **ASPARAGUS SPRENGERI,** seedlings from flats ready for potting, $1.00 per 100. **Hill Top Greenhouses,** 15-16 Gray Ave., Utica, N. Y.

SPECIAL TRADE LIST FOR THE MONTH OF MAY.....

	Size of pots.	Per doz.	100
Asparagus Sprengeri	2	.25	$ 2.00
Ageratum, dark and light blue	3	.50	4.00
Abutilon Savitzii	3	1.00	
Bouvardias, single and double, white, pink and scarlet	2	.40	2.50
Bouvardia Humboldtii, jasmine flowering, sweet scented	2	.40	3.00
Carnations, McGowan, Flora Hill, and Ethel Crocker	2½	.40	3.00
Clematis, large flowering varieties, strong plants		4.00	
Clematis Paniculata, strong plants	4	1.50	10.00
Clematis Paniculata, strong plants	3	.75	5.00
Cobæa Scandens	3	.50	4 00
Dracæna Indivisa	5	3 00	
Dracæna Seedlings from flats			1.00
Echeveria Glauca	4	1.00	7.00
Feverfew, Little Gem	2½	.40	3 00
Geraniums, best bedding varieties	3	.50	4 00
Geraniums, Mrs. Parker	2½	.75	5 00
Geraniums, Mme Salleroi	2½	.40	3.00
Hydrangea, Thos. Hogg	2½	.50	4 00
Lobelias, Emperor William, Pumila splendens pure white	2½	.40	3 00
Lantana, Lemoine best dwarf var.	2½	.40	3.00
Petunia, double white	2½	.40	3 00
Umbrella Plants	3	.75	5 00
Salvia Splendens	2½	.40	3 00
Salvia Splendens	3	50	4.00
Verbenas, fine assortment	2½		3 00
Violets, the California, La France, Princess of Wales, Schoenbrun		.40	3.00
Aster Plants, Queen of the Market, Semple's Branching, separate colors			1.00
Chrysanthemums, best stand. var.	2½		3.00
Chrysanthemums, plants from soil			1.50
Chrysanthemums, rooted cuttings, from sand bed			1.00

SEND FOR LIST OF VARIETIES.

C. EISELE, 11th and Jefferson Sts., Philadelphia, Pa.

Special

FOR ONE WEEK ONLY.

CARNATIONS.

Estelle, Roosevelt, Prosperity and Queen Louise, good strong cuttings at $3 50 per 100.

GERANIUMS.

A complete assortment of standard and new sorts, all labeled, at $1 50 per 100 or $10.00 per 1000. Jean Viaud and M. de Castellane at $2 50 per 100. A surplus of Buchner, the best double white, extra strong, at $1.00 per 100 or $7.50 per 1000. Above are rooted cuttings, not pot plants.

HARDY PHLOX.

Athos, Diplomat and Robinson, rooted cuttings at $1.25 per 100; 2-in. pot plants at $1.50.

NOTICE.

Above prices hold good for orders received up to the 19th; after that date all unsold stock will be planted for my own use.

PANSIES.

Medium sized cold frame plants in bud and bloom at $1 25 per 100.

BONE MEAL.

The best in the market for Florists' use at $3.50 per 200 lb. bag.

ALBERT M. HERR, Lancaster, Pa.

GERANIUMS Magnificent stock, 4-in., in full bloom, $7 per 100.
Fuchsias, 4-in., 4 kinds, grand stuff, $7 per 100.
Cannas, 4-in., best sorts, $6 per 100.
Boston Ferns, fine 4-in., $12.50 per 100.
Vincas, var., 2-in., $2.50; 3-in.; $5.00 per 100.
VERBENAS—MAMMOTH—VERBENAS
Superb assortment of Mammoth Verbenas, in flower, 3-in., $3; 2½-in., $2.50 per 100.
All moneymaking stock. Your order will be conscientiously filled and you will be well pleased.
W. H. CULLETT & SONS, LINCOLN, ILL.

Geraniums

STANDARD VARIETIES, 3½-in. pots, $6.00 per 100; $50.00 per 1000.

CANNAS, standard varieties, 4-in. pots, $7.00 per 100; $60 00 per 1000.

EUGENE LEWIS, ELMIRA, N. Y.

Please mention the American Florist when writing.

Plant and Rooted Cutting List

NOW READY FOR SHIPMENT.

ROOTED CUTTINGS.

	Per 100
Coleus, Red Verschaffeltii	$ .75
Geraniums, Mme. Pollock	1.50
" Happy Thought	1.50
English Ivy	1.00
Heliotrope	.60
Chrysanthemums	1.25

POT PLANTS.

	Per 100
Pteris Tremula, 2¼-inch	$1.50
Pteris Tremula, 2½ inch	2.25
Pteris Tremula, 3-inch	4.00
Roses, Ulrich Brunner, 2½-inch	3.00
Hydrangea Otaksa, for growing on, 4-inch	5.00
Hydrangea Otaksa, " " 5-inch	7.00
Hydrangea Otaksa, " " 6-inch	10.00
Hydrangea Otaksa, " " 7-inch	15.00

CHRYSANTHEMUMS W. H. Lincoln, Jerome Jones, Golden Wedding, Philadelphia, Ivory, Thornden, Pres. Smith, Minnie Wanamaker, Louis Boehmer, Maud Dean, Viviand-Morel, Major Bonnaffon, G. W. Childs, Mme. Bergmann, Glory of Pacific, J. G. Whilldin. Rooted cuttings, grand stuff, $1.25 per 100; $10.00 per 1000.

☞ All the above sold on the positive guarantee of their being first-class, if not, your money at once refunded.

Having to rebuild our greenhouses this season the following stock is in our way at the start. If you want any speak quick: Asparagus Plumosus, 3-year, from bed, fine clumps, $18.00 per 100. Kentias, 2½-inch, very fine, $5.00 per 100. Roses—Ulrich Brunner and Paul Neyron, 2-year-old, from boxes, own roots, $8.00 per 100. Kentia Seedlings, from flats, 1-year, $3.50 per 100. Geranium Mrs. Pollock and Happy Thought, 1 and 2-year stock, plants from bench, $6.00 per 100. Callas, 4-year-old, $5.00 100. Steel Wire Stakes, galvanized, No. 8 wire, 3 feet, used one season, $5.50 per 1000.

JOHN IRVINE & SONS, Bay City, Mich.

With Leaves On...

JAPANESE FERN BALLS.

We have an immense stock of Fern Balls, well furnished with leaves, at $5.00 per dozen. Culls from $3.00 per dozen, up.

The Geo. Wittbold Co., Chicago, Ill.

A FEW GOOD THINGS YOU WANT.

KENTIA BELMOREANA and FORSTERIANA, special price to reduce stock, 2½-in., 8c; 3-in., 15c; 4-in. 25c; 5-in., 50c; 6-in., $1.00. 3, 4, 5-in. **ARECA LUTESCENS,** 2 and 3 plants to a pot, same price. These are excellent lot of clean, cool grown plants.

BOSTON FERNS, 4c, 8c, 15c, 30c and 50c each.

DRACAENA INDIVISA, 3, 4, 5-in., 6c, 10c, 25c each.

GERANIUMS, 2-in., Bonnat, double and single Grant, La Favorite, S. A. Nutt, Atkinson, Salleroi, Poitevine, M. Barny, Kleber, John Doyle, Jaulin, Riccard, Mrs. E. G. Hill, Perkins. Per 100—2-in., $3.00; 3-in., $5.00.

ASPARAGUS SPRENGERI, 2-inch, $3.00 per 100; Plumosus, 3-inch, $8.00 per 100.

ENGLISH IVY, 2-in., $3 00; 3-in., $6 00 per 100.

Verbena, Petunia, Smilax, Achyranthes, Lobelia, Coleus, Alternanthera, Tomato Plants, Campbell Violets, Aster, Ageratum, Heliotrope, Vinca Var., Giant Alyssum, Scarlet Sage Clara Bedman, 2 in., $2.00 per 100; 3-in., $4.00 to $5.00 per 100.

Send for wholesale lists. Cash or C. O. D.

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

ROBT. CRAIG & SON,

Roses, Palms

and Novelties in Decorative Plants,

Market and 49th Sts., Philadelphia, Pa.

BEGONIA GLOIRE DE LORRAINE,

Begonia Light Pink Lorraine,

For June and Later Delivery,
$15.00 per 100; $140.00 per 1000.

Edwin Lonsdale, Wyndmoor, near Chestnut Hill, Pa.

Please mention the American Florist when writing.

125,000 ASTER PLANTS

Best florist's cut flower varieties; all transplanted. Strong plants, bushy roots; sure to please you.

ASTERS, Hohenzollern, pure white, delicate rose and red (Roemer's), last year novelty, grandest aster to date. Mammoth size, 7 inches across, double to center, resembling a large Japanese chrysanthemum, unsurpassed for cutting or bedding, plants branching, with strong stems 18 to 20 inches long, 75c per 100; $6.00 per 1000.

Queen of the Market, white, red, pink and mixed.

Florists' Upright Branching, outer petals recurved, center petals incurved, superb cut flower, pure white, daybreak pink, fiery scarlet and lavender.

Late Branching or Semple's, white, rose pink, lavender, red and mixed.

All the above are the best money makers for florists, strong, healthy plants, assorted to suit, 50c per 100; $4.00 per 1000. Express prepaid for cash with order.

DES MOINES PLANT CO.,
38th St., Des Moines, Iowa.

IMPATIENS THE QUEEN

This variety we now offer for the first time, it being far ahead of any cheap blooming house plant that we know of. A grand plant for out-of-town florists.

Flowers 1¼ to 1½ inches in diameter, color a delicate satiny pink with bright carmine eye, center of petals faintly tinged with white, wonderfully profuse and of the easiest culture. Price, 2-inch pot plants, $1.50 per doz.; $10.00 per 100.

CENTRAL MICHIGAN NURSERY,
Kalamazoo, Mich.

Please mention the American Florist when writing.

Pittsburg.

TRADE FALLS OFF A LITTLE BUT STOCK STILL MOVES WELL.—BEDDING STOCK ABUNDANT AND IN DEMAND.—VARIOUS NOTES OF INTEREST IN THE TRADE.

Business has fallen off a little from last week but not enough to make it unsatisfactory. Crab apple blossoms and dogwood make the stores look springlike and attractive. The market places are literally jammed with bedding plants of every kind and color. The sidewalks in front of the Allegheny market are covered with thousands of bedding plants and the public appreciates these refreshing displays, for many expressions of pleasure are heard regarding them. The condition of roses is only fair. Bridesmaids and Brides are fair one day and correspondingly poor the next. American Beauties are perfect in bloom, stem and foliage but they lack color, as they always do in the summer time. In carnations Lawson, Prosperity, Hector, White Cloud, Marquis, Joost, Morning Glory and Scott are especially excellent and are selling well. We have some call for white sweet peas but they are difficult to secure. Several growers have reported that they will be very scarce by reason of the tendency of the foliage to rust.

The Pittsburg Cut Flower Company reports that they are doing an extraordinary shipping business, especially through western Pennsylvania, eastern Ohio and Virginia.

George James Burki, foster son of Fred. Burki, died of appendicitis after a surgical operation on Wednesday, May 5, aged 26 years. A wife and child survive him.

Another great wind and hail storm passed over Pittsburg and Allegheny on last Friday but the florists escaped damage, except at a few private places.

Burglars entered the home of W. B. Flemm last Friday night and secured a fine gold watch and some trinkets.

L. I. Neff intends adding three new houses to his plant at Aspinwall.

E. L. M.

WATERTOWN, CONN.—Otto F. Roeske has sold his greenhouses and part of the real estate to his brother, Henry, who will take possession at once.

Violet Plants

WELL ESTABLISHED		Per 100	1000
IMPERIAL	2¼-inch	$2.75	$25.00
MARIE LOUISE	"	2.75	25 00
FARQUHAR	"	2.75	25.00
SWANLEY WHITE	"	2.75	25 00
CAMPBELL	"	2.50	22 50

GRAND RAPIDS VIOLET CO.
GRAND RAPIDS, MICHIGAN.

A NEW BOOK
"How to Make Money GROWING VIOLETS"
by George Saltford, 30 years' practical experience. PRICE, 25 and 50 cents, postpaid. Money order preferred. **VIOLET CULTURE CO.,**
61 Quincy Street, BROOKLYN, N. Y.

VIOLETS.
Rooted cuttings of Lady Campbell, $1.00 per 100; $7.50 per 1000. Imperial and Marie Louise, $1.00 per 100; $9.00 per 1000.
Lady Campbell, from 2¼-inch pots, $2 50 per 100; $22 50 per 1000. Imperial and Marie Louise, $3.00 per 100; $25.00 per 1000.
CARNATIONS—3000 White Cloud, $10 per 1000.
CRABB & HUNTER, Grand Rapids, Mich.

NEW CARNATIONS.
Cressbrook and Fair Maid, strong, from soil, $1 50 per doz.; $10.00 per 100; $75.00 per 1000.

CHRYSANTHEMUMS
Fine strong plants from 2½-inch pots, ready now. Our selection, all good standard sorts, $2.00 per 1000. We have many other varieties than here listed. Send for complete list. Price per 100:

T. Eaton	$4.00	R. Halliday	$4.00
Nellie Pockett	8.00	Major Bonnaffon	3.00
Lady Roberts	8.00	Philadelphia	5.00
Mrs. E. D. Smith	6 00	Pennsylvania	5.00
Golden Beauty	8.00	Modesto	3.00
Mrs. Chamberlain	8.00	Nagoya	3 00
Mme. F. Bergmann	3 00	M. de Montmort	3.00
Willowbrook	3.00	Glory of the Pacific	3.00
Merry Monarch	3 00	Lady Harriett	6.00
Polly Rose	3.00	Maud Dean	4.00
G. S Kalb	3.00	Xeno	3.00
Ivory	3.00	Geo. W. Childs	4.00
Mrs. J Jones	3.00	Intensity	4.00
H. A. Parr	3.00		

H. WEBER & SONS, Oakland, Md.

'MUMS.
E. C. Hill, Robinson, Maude Dean, Yanoma, out of 2½-inch pots, $2 00 per 100. 25 other varieties. Maude Adams, Timothy Eaton, Goldmine, Col. Appleton, Modesto, Nagoya, out of 2½-in. pots, $3.00 per 100.
A. D. Montgomery 121 East Broad St. **Hazelton, Pa.**

All The Best CARNATIONS
FORTY VARIETIES, nearly all from soil. Send for prices on what you need.
GEO. HANCOCK & SON,
GRAND HAVEN, MICH.

Carnations, Geraniums Cannas, Etc. Prices quoted upon application.
The Cottage Gardens, Queens, L. I.

IVORY AND BONNAFFON CHRYSANTHEMUMS.
Plants from 2-inch pots, $2.00 per 100; $18 00 per 1000. Ready for immediate delivery.
WM. MURPHY, Wholesale Florist,
Station F, CINCINNATI, OHIO.

Chrysanthemums Rooted Cuttings of
Merry Monarch, white and yellow; Willowbrook, J. H. Troy, J. E. Lager, Robinson, Pacific, Polly Rose, Shrimpton, Bonnaffon, M. Henderson, Ivory, pink and white; Murdock, F. B. Hayes, Pres. Smith, J. Jones, $1.25 per 100; $10 per 1000.
Walter Molatsch, R. Halliday, Appleton, $2.00 per 100. Cash with order.
G. F. NEIPP, Aqueduct, Woodhaven P. O., N. Y.
Please mention the American Florist when writing

Chrysanthemums.
OVER TWENTY VARIETIES.
Names on application, 2½-inch pots, $2.00 per 100; $15.00 per 1000. Rooted cuttings, $1.00 per 100.
G. G. NANZ, OWENSBORO, KY.

THE COMING FERN IS MY NEW NEPHROLEPIS
"ANNA FOSTER"
DELIVERY IN SEPTEMBER.
Orders booked now at $25 per 100 for small plants. Larger plants, prices on application.
L. H. FOSTER, 45 King St., Dorchester, Mass.

American Florist Advertisements Pay Advertisers.

WE CARRY
The Largest and most Complete Stock of DAHLIAS in the World
1902 DAHLIAS Admiral Schley, Eureka, Gold Standard, Black Bird, Pink Dandy, Leone, Profusion, Alba Superba, Gaillardia, Judah and Olympia. All sterling American varieties.
20th Century Collection of 1901 contains 14 superb new American Dahlias.
Send for our up-to-date dahlia catalogue. Also special list of cut flower dahlias, before ordering elsewhere.
W. P. Peacock, DAHLIA Specialist **Atco, N. J.**

Fine, Healthy Stock.

	Per 100
ROSES—Bridesmaid, 3-in. pots, per 1000, $32,	$3.50
Bride, 2¼-in. pots, ready for shift, " $28,	3.00
GERANIUMS—Dbl. Grant, S. A. Nutt, Murkland, and dbl. deep Geraniums, 3-in. pots,	5 00
2¼-in. pots of the above varieties	2 50
Assorted, 2½-in. pots	2 50
Assorted VERBENAS, VINCA VAR., SALVIA, and PURPLE HELIOTROPE, 2-in. pots	2 00
ALTERNANTHERA—2 varieties, red and yellow; Golden Bedder and assorted COLEUS; GERMAN IVY, and 3 varieties AGERATUMS, 2-in. pots	1.50
ROOTED CUTTINGS—Alternanthera, 3 varieties, and assorted Coleus per 1000, $5,	.55

CASH PLEASE.
R. I. HART, Hackettstown, N. J.

The Art ...of Floral Arrangement
The only special newspaper in the world for floral arrangement.
200 ILLUSTRATIONS ANNUALLY.
Specimen number free.
Subscription, $2.40 yearly.
BINDEKUNST-VERLAG
J. OLBERTZ, ERFURT, GERMANY.

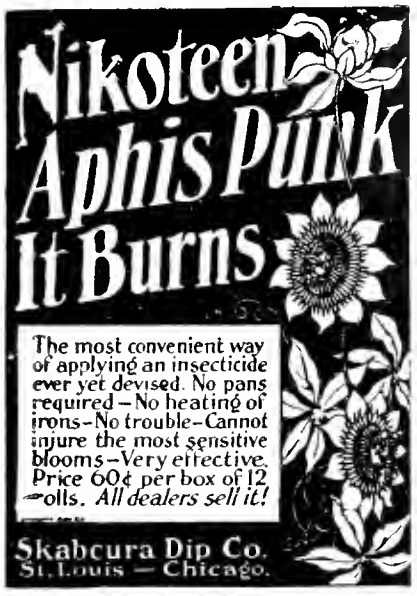
TO MAKE ROOM I OFFER

150 Kentia Belmoreana,	2¼-in.		$5.00 per 100
400 " "	3-in.		10.00 per 100
200 " "	4-in., 2d size		15 00 per 100
100 Latania Borbonica,	3-in.		5 00 per 100
100 Pandanus Utilis,	2¼-in.		4.00 per 100
75 " "	3-in.		8.00 per 100
400 Selaginella Emmeliana,	2¼-in.		3.00 per 100

All healthy stock. Cash with order.
JOSEPH E. BONSALL, SALEM, OHIO.

American Florists Ads
Always do business,
Week days and every day
Sundays and holidays,
All over the country,
At home and abroad.

European Tourists and others destined to eastern points, will find the low rates applying over the Nickel Plate Road to New York, New England and other eastern destinations, specially attractive. The eastern terminals via this line are only from three to ten minutes from all ocean steamship docks, and the service afforded is first-class. Three trains daily from Chicago. Uniformed colored porters are in charge of day coaches, whose duties require that proper care shall always be given to keeping cars clean and attending to the wants of passengers enroute. Meals served in dining cars at prices that are reasonable and within reach of all. Details cheerfully furnished on application to John Y. Calahan, General Agent, 111 Adams St., Chicago. Chicago City Ticket Office, 111 Adams St.



All Fine Stock Geraniums, in bud and bloom, S. A. Nutt, Bruant, La Pilot, LaFavorite, Mme. Thibaut and other equally as good kinds can make up a fine assortment, mixed, all in 3½-in. pots, $5 per 100. Heliotrope, three best kinds, 3¼-in. pots, $5 per 100. Vinca Vines, 3 in., good, $3 per 100. Salvia, scarlet, 2½-in. pots, $2.50 per 100. Fuchsias. Snow White, Avalanche and Elm City, 4-in. pots, very fine, $8 per 100. Ageratum Cope's Pet; Lobelia Crystal Palace Gem; Thunbergia, mixed; Parlor Ivy; Musk; Nasturtiums, good; Single Petunias; Sweet Alyssum; Tradescantia, variegated; Browallia, blue; Mignonette; Verbenas; Heliotrope; Fuchsias, varieties as above. Geraniums, all good vars, in 2¼-in. pots, $2.50 per 100. White Branching Aster, 2½-in. pots, $2.50 per 100. Cobæa Scandens, 3-in. pots, $3 per 100. Cash with order.

WM. J. CHINNICK, TRENTON, N. J.

INFORMATION WANTED!

Of any and all Floral Establishments in the country which are not well stocked up with the following goods:

BRONZED BEECH and LAUREL FOLIAGE, new and effective, but also inexpensive.

CYCAS LEAVES and WREATHS, Bayersdorfer & Co.'s special quality and improved finish.

INDESTRUCTIBLE METAL DESIGNS, in beautiful and attractive assortment.

IMMORTELLES in every Desirable Color.

These are all desirable and salable articles for Memorial Day. Do you realize that the day is close at hand? The season is forward and fresh Flowers will be scarce. The above named goods will be in big demand. Our stock is the best procurable and our prices are low.

H. Bayersdorfer & Co.,

50-56 N. Fourth St., PHILADELPHIA, PA.

ASTER Plants

Semple's Branching and Queen of the Market, in white, pink, blue and red, fine plants, grown from the finest seed saved by myself, at $2.50 per 1000; 40c per 100.

J. C. SCHMIDT, BRISTOL, PA.

HAIL!

FOR INSURANCE AGAINST DAMAGE BY HAIL, Address

John G. Esler, Sec'y F. H. A.

SADDLE RIVER, N. J.

"Indispensable"

EDITION OF 1902, POSTPAID, $2.00

This is the only word which describes the American Florist Company's Directory, just out. This book, 418 pages of facts tersely told, is issued annually and is an aid to business and money making which no wholesaler or traveling salesman can afford to be without. It contains the name of every Florist, Nurseryman and Seedsman, arranged both by states and towns and alphabetically; and new lists of Gardeners or Superintendents of private estates, Experiment Station Horticulturists, Landscape Architects and Horticultural Supply Concerns. It will save many times its cost by enabling you to cover America with your catalogue and at the same time waste no printed matter or postage on dead names.

AMERICAN FLORIST CO.,

324 Dearborn St.,
CHICAGO, ILL.

Kansas City.

AMBITIOUS PLANS FOR THIS YEAR'S FLOWER SHOW.—JUDGES FROM THE EAST.—BIG SUM IN PRIZE MONEY.—SEASON SATISFACTORY TO THE TRADE.

Flower show preparations are already well under way. The management has been determined upon, if, indeed, there was any question about it, for the staff is the same as made the big success last year, and the work on the premium list is already well along. F. J. Taggart is stirring up the publicity end and John Thorpe is looking after exhibits. It is reported that Mr. Thorpe declined an offer of the management of the New York show in October to return to his duties here. Mr. Taggart has announced the judges to be John Young, secretary of the New York Florists' Club; Edwin Lonsdale, secretary of the Florists' Club of Philadelphia and of the Chrysanthemum Society of America, and E. A. Kanst, assistant secretary of the Horticultural Society of Chicago. The latter was one of last year's judges. The plans contemplate more than $7,000 in premiums for the regular classes and a large sum in special prizes.

Trade is continuing good with the down town retailers, while those florists on the outskirts have all they can do in the way of planting. The year has been a very good one here and, while those who are looking for trouble can always find cause for complaint, everyone has reason to be satisfied with trade conditions in general.

GRAFTON, ILL.—The Rippley Hardware Company says that its sales of sprayers, spraying material and whitewashing machines have this year been double what they were in 1901. They are shipping their goods not only to all parts of the United States but to many foreign countries.

SPRAYING

Will save your fruit and your crops. We have a full line of Spray Pumps and Apparatus, and will mail a catalogue upon application.

Charles J. Jager Company,
174 High St., Boston, Mass.

The above company furnished the spraying outfit for the city of Boston, described in this issue.

WRITE
A. F. KOHR, 1521-23 N. LEAVITT ST., CHICAGO, ILL.,
FOR PRICES OF
Standard Pots
which for strength and porosity combined are the best on the market.

THOSE RED POTS
"STANDARDS"
FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y,
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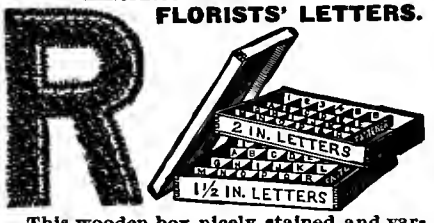

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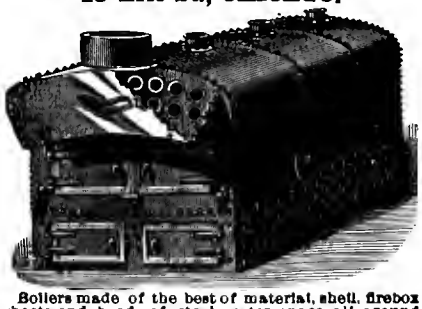

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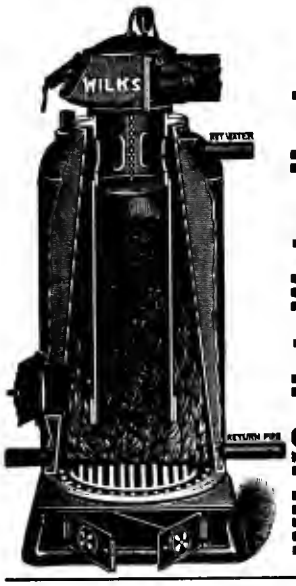

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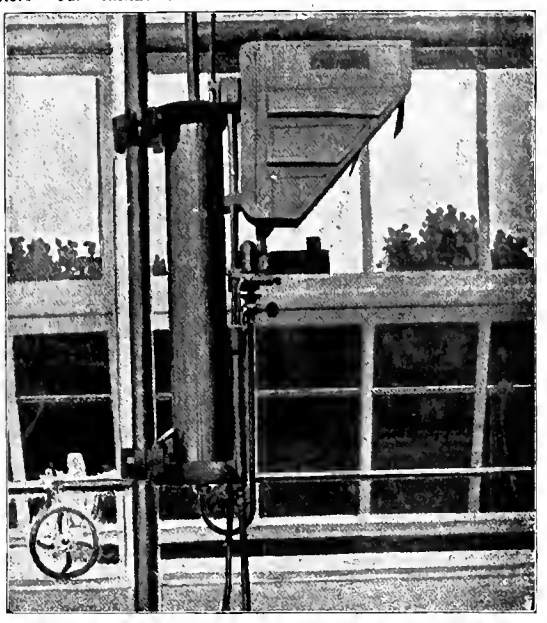

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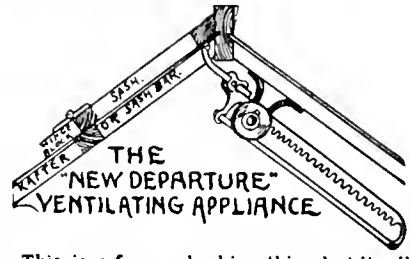

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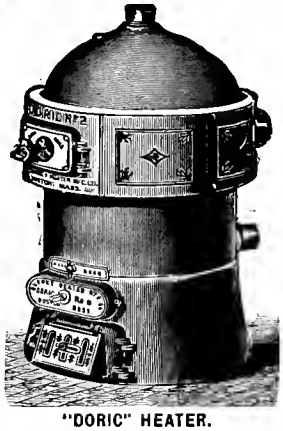
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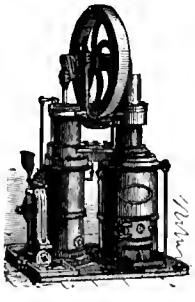

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—JOHN BURTON, Philadelphia, Pa., presiden J. W. C. DEAKE, Asheville, N. C., vice-president, WM. J. STEWART, 79 Milk Street, Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The eighteenth annual meeting will be held at Asheville, N. C., August, 19-22, 1902.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Brooklyn, N. Y., February, 1903. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Asheville, N. C., August, 1902. Edwin Lonsdale, Chestnut Hill, Pa., Sec'y.

AMERICAN ROSE SOCIETY.

Annual meeting at call of executive committee, LEONARD BARRON, 136 Liberty St., New York, secretary.

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International Plant Breeding Conference.

The council of the Horticultural Society of New York announces that it has completed arrangements for the holding of an International Conference on Plant Breeding and Hybridization in the fall of the present year, the dates selected being September 30, October 1 and 2.

Acting under the instruction of the society at its annual meeting in May, 1901, the chairman of the council addressed letters of enquiry to prominent scientific societies and individuals interested in progressive horticulture, both at home and abroad, to all the agricultural experiment stations in America, the United States Department of Agriculture and the Minister of Agriculture for the Dominion of Canada, in order to enlist a wide-spread support and to ascertain views as to the most convenient date for the attendance of the majority of those interested. The responses were unanimously in favor of holding such a conference and the dates announced were finally selected by the conference committee, consisting of Dr. N. L. Britton, chairman; Dr. F. M. Hexamer, J. de Wolf, H. A. Siebrecht and Leonard Barron, secretary.

By the co-operation of the American Institute of the city of New York, it is arranged to hold the sessions of the conference in the lecture hall of the Berkeley Lyceum building, 19-21 West Forty-fourth street, New York city.

This conference will provide for the reading and discussion of papers, and the discussion of special topics pertaining to the subject of plant breeding and hybridizing. Arrangements are being made for the publication of a complete report of the papers and discussions in book form under the auspices of the society.

In connection with the conference there will be an exhibition of hybrid plants and their products, and of the related literature, to which everyone is invited to contribute. Awards of the society in the form of medals, diplomas and certificates may be made to exhibits of plants and plant products of hybrid origin illustrating some particular plant or plant industry.

It is further proposed to add to the interest of the gathering by making arrangements to visit points of interest in the neighborhood; and for the convenience of visiting delegates suitable hotel headquarters will be arranged near the conference hall.

The active support of the following institutions has been promised and delegates appointed to attend the conference: Bureau of Plant Industry, United States Department of Agriculture; Department of Agriculture, Dominion of Canada; Royal Horticultural Society of England, American Pomological Society, Massachusetts Horticultural Society, Pennsylvania Horticultural Society, Society of American Florists, American Institute of the City of New York, New York Botanical Garden, School of Practical Agriculture and Horticulture, American Pharmacological Society, Torrey Botanical Club, New York Florists' Club, Colleges and Experiment Stations of the United States.

PRELIMINARY ANNOUNCEMENT OF PAPERS PROMISED.

Results of Hybridization and Plant Breeding in Canada. (Illustrated by specimens). William Saunders, Director of the Central Experimental Farm, Ottawa, Canada.

Notes on Plant Breeding in California, E. J. Wickson, Horticulturist, Agricultural Experiment Station, University of California.

Plant Breeding in New Jersey. (Illustrated by specimens). B. D. Halsted, Professor of Botany in Rutgers College, New Brunswick, N. J.

The Wild Hybrids of the North American Flora. (Illustrated by specimens of the parents and progeny) David George, Museum Aid, New York Botanic Garden.

An Address, L. H. Bailey, Horticulturist, Cornell University, Ithaca, N. Y.

Plant Breeding work in Germany, J. C. Whitten, Horticulturist, Columbia University (now in Germany).

Cereal Breeding in Kansas, H. F. Roberts, Botanist, State College, Manhattan, Kansas.

Recent Experiments in Hybridization, by C. F. Hurst, England.

Selection vs. Hybridizm, F. W. Burbidge, Dublin, Ireland.

Individual Prepotency, Will W. Tracy, Detroit, Mich.

Cytological Aspects of Hybrids, W. A. Cannon, Columbia University, New York City.

Correlation Between Different Parts of the Plant in Form, Color and Other Characteristics. (Illustrated by specimens). S. A. Beach, Horticulturist, New York State Experiment Station, Geneva, N. Y.

Variations in Hybrids Not Appearing in the First Generation, but Later, E. S. Goff, Horticulturist, Agricultural Experiment Station, University of Wisconsin.

Some Possibilities, C. L. Allen, New York.

Crossing Species of Salix, S. W. Fletcher, Washington.

Hybridizing Gladiolus Species, (illustrated), W. Van Fleet, Little Silver, N. J.

Notes on Breeding Hardy Apples, John Craig, Ithaca, N. Y.

The Everbearing Strawberry, H. de Vilmorin, Paris.

Breeding of Native Northwestern Fruits, N. E. Hansen, Brookings, S. D.

The Muskmelon, F. W. Rane, Durham, N. H.

Seedlings of the Native Plums, E. S. Goff, Horticulturist, Madison, Wis.

Results in the Breeding of Species of Ricinus, E. Mead Wilcox, Botanist, Oklahoma Agricultural Experiment Station.

On Orchid Hybrids, (illustrated by specimens of the parents and progeny). Oakes Ames, Ames Botanical Laboratory, North Easton, Mass.

Hybrid Beans, R. A. Emerson, Horticulturist, Agricultural Experiment Station, University of Nebraska.

Hybrid Plums, F. A. Waugh, Horticulturist, Vermont Agricultural Experiment Station.

Cross Breeding of Cinchonas, H. H. Rusby, Botanist, College of Pharmacy, New York.

Breeding Florists' Flowers. (*a*) E. G. Hill, Richmond, Ind. (*b*) C. W. Ward, Queens, L. I., N. Y. (*c*) A. Wintzer, West Grove, Pa.

Study of the Variations in the Second Generation of Berberis Hybrids, C. E. Saunders, Ottawa, Can.

The committee has the assurance of other papers, of which the exact titles have not yet been submitted, including contributions from Luther Burbank, Santa Rosa, Cal., and Herbert J. Webber, Plant Breeding Laboratory, Washington, D. C., and others.

LEONARD BARRON, Sec'y.

CARNATIONS.

THE SEASON'S SUCCESSES.

In white Lorna is a very large flower with a weak stem for the size of the flower. We shall grow it again and try to get stronger stems. White Cloud has done exceptionally well and is our principal white variety.

In pink Marquis has been very successful in light pink, while for dark pink Mrs. Lawson has been the best carnation we ever grew. It seems to be right at home in our soil, producing an abundance of extra fancy blooms all the time. For a very light pink we grow Morning Glory. This variety has produced very steadily all season and no split or poor flowers. It has proved one of our best selling varieties.

For reds our best early is America, then Crane, and Red Bradt for Christmas and midwinter. Red Bradt is very much like Mrs. Lawson with us, as it takes to our soil in great shape, producing an extra large flower and plenty of them. We have not seen any red that is its equal for size and good keeping qualities.

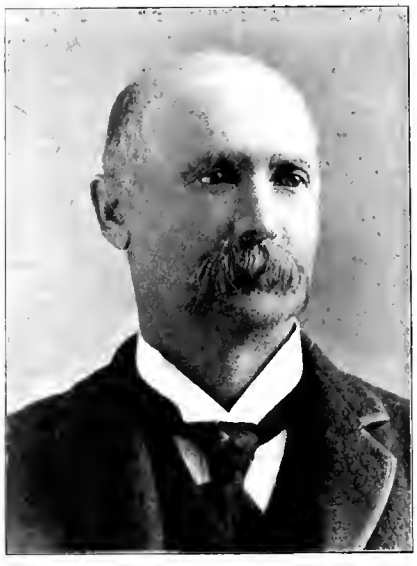
The variegated varieties have been in better demand this season than ever before, Prosperity, of course, leading. It has produced very well with us and we shall plant some 7,000 or 8,000 next season. It requires special culture and care and responds to such treatment with grand flowers. If grown in an indifferent manner we notice it produces very poor and few flowers. Mrs. Bradt has done fully as well as the previous year and in our estimation it is a standard fancy variety.

In yellow Gold Nugget is the best in our soil and for maroon there is nothing equal to Maceo. The flowers are of good size and abundantly produced. We have had the most successful season in quality of flowers that we have yet experienced since growing carnations.

BASSETT & WASHBURN.

THE DETAILS OF FIELD CULTURE.

The carnations in the field will need constant attention to see that none of the little details of field culture are missed, as it pays far better to give them the attention they need in the field, and have good plants to house, than to neglect them almost entirely in the field and then spend money, time and fertilizers to get them to produce a fair return in the house. The time given in the field is that which forms the character and constitution of a carnation plant and with proper attention here good results in the way of flowers come as a natural sequence. A good plant will produce good flowers under ordinary culture and with a good plant and the good culture we now give our carnations there is no reason why we should not be on top of the pile when it comes to marketing our flowers.



THE LATE MICHAEL J. LYNCH.

(See page 615.)

Cultivation is the important factor in getting good plants in the field and should be followed up after every rain and, if rains are far between, it can even be done to advantage once or twice between rains. The great object of cultivation is, of course, to keep the top of the soil loose and in such condition that the air can penetrate it, while capillary attraction draws up the water from the subsoil in dry weather to keep the plants growing along nicely. Although it seems, at first sight, like a contradiction, this loose soil on the top acts in the capacity of a mulch and prevents too rapid evaporation from the soil underneath.

There can be no set rules laid down for cultivation as different soils require different treatment. Some growers advocate going over the patch at regular intervals, but the only custom I can follow is to go over the patch after every rain, so that there is no chance for the formation of a crust on the soil. When there is no rain for a lengthy period we have to leave our soil alone, after having once loosened the the top, as it is naturally loose and porous and constant cultivation would give us a dry mulch on top so deep that it would affect the roots of the plants, and we would be in danger of cultivating our plants to death.

Next in importance to cultivation in the field is the topping of the plants and to do this work properly requires a familiarity with the habits of the different varieties. Those which can be classed as late varieties should not be topped too early in the season; in fact, not before they show signs of a bud, as this will often start them off with a good cluster of branches around the base of the plant, instead of starting one or two shoots into vigorous growth, as will be the case if they are topped very small. The strongest of these side shoots can be topped again during the season and the likelihood is that you will have a plant to house in such shape that it will throw five or six flowers by January 1, and that is the point you are aiming for. With a fair percentage of the flowers produced by January 1 the balance of the season will take care of itself and produce its proper quota of flowers.

Early flowering varieties can be topped early and often but care must be used so that you do not have the plants in such a shape that they will produce a crop of flowers in the fall and then be off crop for the holidays. Even with the early housing we now practice those branches that produce flowers for the holidays are formed in the field and, while it is hardly feasible to count your Christmas crop of flowers on the plants in the field, that crop can to a certain extent be controlled by intelligent topping, followed up, of course, by intelligent culture after the plants are housed.

The details of field culture are variable and consist for the most part of the men who do the topping keeping their eyes open for little things such as a broken branch to be cut off, a diseased plant to be pulled out, a plant laying over on its side to be straightened up, a plant with the heart washed full of soil to be cleaned up and put into shape, and a hundred and one such things, all of which are minor in themselves but in the aggregate mean quite a difference in profits.

In advising the pulling out of diseased plants I do not want to be understood as advising the pulling out of everything that shows some slight disease in the shape of rust or bacteriosis. Where either of these diseases are very bad, with no prospects of improvement in the plant, it is, of course, as well to pull them out and throw them off the field. Under no consideration allow these diseased plants to lay on the field. All of our best new varieties reach us with more or less rust on them, but no wise grower will consider this in the shape of a disease; he now looks on it as a necessary evil, to be kept in check by good cultural methods. Plants showing the least sign of stem rot, either the dry rot which affects the branches of the plants, one by one, until the plant is dead, or that rot which affects the stem between the top and root, should be pulled out at once and burned, as we do not want either of these fungi on any portion of our plants, either outdoors or in the greenhouses.

ALBERT M. HERR

CARNATION GROWING IN CALIFORNIA.

At a recent meeting of the Pacific Coast Horticultural Society Charles F. Eick detailed the methods in vogue in the

WEDDING DECORATION AT PARKER HOUSE, BOSTON, MASS.
(Artist, Henry Collins.)

vicinity of San Francisco. He spoke as follows:

I am hardly fitted for the honor of addressing this society on the methods of growing carnations for the San Francisco market since there are quite a number of growers who are also members of this society who produce better carnations than I ever have. But I will do my best at describing my methods

To begin with the cuttings, we fill the bench with from two to two and one-half inches of good, sharp river sand well tamped down and soaked with water. I then take my cuttings from the base of a flowering shoot. I generally gather about 200 or 300 at a time, pull off the lower leaflets and cut straight below that joint. After all are finished I start at once putting them in the sand. I always start on the left end of the bench and work to the right, first cutting a line one-half inch deep in the sand with an old knife which I hold against a lath, and put the cuttings in that cut one-half inch apart. After the first line is finished I press the sand down firmly, take the lath, lay it against the finished line and cut another line. I keep on that way until all are in and then give the bench another good soaking, which will level the sand and settle the cuttings. If I have not enough cuttings to finish out a line I place a label next to the last cutting and mark same with the next variety and date of putting in sand.

I have no bottom heat, only enough to heat the house, which, by the way, is a lean-to on a rose house facing south. No sun gets into that house in the winter months. Otherwise the cuttings should certainly be shaded with newspapers or some other light material. Sprinkle lightly once in a while but only on warm days. I keep the heat between 50° and 56° if possible, airing a little if above 56° and applying steam heat if below 50°.

The cuttings will be well rooted in from four to five weeks and I take them out immediately, planting them in boxes three inches deep filled with good sandy loam and a sprinkling of bone meal but no other fertilizer. The young shoots are set two inches apart each way and left in these boxes until planting out time comes, which will be at the end of March or the beginning of April. I place them in the carnation house and shade them with newspapers for about three days, from 10 until 3 o'clock, if the sun is out, otherwise not at all. I give the ground where they are to be planted two plowings, one in the fall, followed by a good coat of manure, and another plowing and harrowing just before planting. This will leave the ground in first-class condition to produce good stocky plants by August.

I plant in rows twelve inches apart each way, watering as fast as one row is finished. I like to plant as early as possible, so the young plants will get the benefit of the late rains I keep the ground well cultivated and free from all weeds during the four months the plants are in the field and water as often as once a week during June and July, always giving a light hoeing after each sprinkling to keep the ground loose. As soon as the young plants have a height of six inches I break the tops off to make them break out from the sides and bottom and keep on pinching back until ready to go in the house.

In the meantime I prepare my carnation houses for replanting. I take off all wire and strings, pull out the old plants and burn them, take the old soil all out and give each house a good sulphuring, which I do by taking three 5-inch pots full of sulphur, placing one in the middle and one about thirty feet from each end, of the house, closing all ventilators and doors before lighting the sulphur. The fumes of this will kill all animal and vegetable matter that may be left in the house. The next day I give a good airing, sweep and wash off the benches and rake out all refuse. It is then time to give all rough wood a good coat of lime wash, the bars and planed wood being gone over with white lead every other year.

Then I bring in my soil, which I have piled up in the fall and mixed with about one-fifth of well rotted stable manure and turned over twice, giving it a sprinkling of bone meal when taking it into the house. My benches hold five inches of soil and are four feet wide When the house is filled I give it all a good soaking and wait two or three days before planting. Before I start to plant I rake off the bench and make a line by pulling a planting rope from one end to the other. I make five rows, keeping the outside rows four inches away from the board. I will also mention that I have the house well shaded with yellow clay-water. This is easily washed off at any time, without breaking any glass.

When the plants are taken from the field the ground should not be too dry,

as the roots are easily broken off. To this end I give a sprinkling two or three days before taking the plants up. I leave but very little soil on the roots, as they are easier handled and take hold quicker in the benches. I plant about fifty at a time and water at once to settle the soil around the roots and keep them from wilting. We try to set the plants about one inch higher than they were in the field to prevent stem rot. I plant, according to variety, eight or ten inches apart and pinch back all buds that happen to be on. For the next week I give only overhead sprinkling twice a day and keep walks well dampened.

From then on I water when needed and syringe overhead, but only in the morning and in clear weather, to give the plants a chance to dry off before night. I keep ventilation on day and night until the nights get too cool, when the thermometer outside drops below 50°. In cloudy or rainy weather I apply a little heat with a little air on to keep dampness out. Keep on giving more heat as needed and try to keep the temperature in the house at 54° or 56° at night and 75° in the daytime, with ventilators wide open in bright weather. I never give any top dressing, using liquid fertilizer well along in January and then only thin and once a week.

I give my houses a good smoking with tobacco stems once a week after the flowers are all cut. This will keep greenfly and red spider in check. We water always between the plants and never sprinkle overhead in December, January and February. When the sun is getting higher in March I commence again with sprinkling and apply heat only toward morning if needed. If the weather should get very warm I give a little light shading with clay and water. I also give liquid manure from then on once a week, a little stronger than before, and water is needed more from now on. One item I forgot to mention before is disbudding. This should be attended to continually.

Should black spot appear on the plants, the leaves should be picked off at once and burned or the disease will spread over the whole house. The same may be said of rust. Plants affected with stem rot should be pulled out and burned and avoid taking cuttings affected with any disease.

A Private Establishment.

One of the finest, best equipped and best managed private places in the west is that of J. J. Hill, the St. Paul railroad magnate, presided over by A. Hallstrom. Altogether there is about 15 000 square feet of glass, there being four or five houses varying in size and shape and built without much regard for uniformity.

The crowning effort in the building line was realized last summer when the latest addition was erected. This house is 29x84 in dimensions, divided into six equal compartments. The frame, posts, trusses, sash bars and gutters are steel. Double thick 16x20 butted glass is employed. The bench supports are made of steel and the benches of sandstone grooved and pierced with holes at intervals so as to secure perfect drainage. A complete system of piping for hot water heat gives absolute control of the heating in each compartment. The walks are constructed of sandstone and cement, and the whole house has an air of cleanliness not often found in a greenhouse.

All kinds of plants are grown in this house or set of houses, but the finest of all were the hybrid roses in 5-inch to 7-inch pots, carrying from twenty to thirty-five buds and blossoms. The varieties noted were Ulrich Brunner, Magna Charta, Mrs. John Laing, Paul Neyron, and Gen. Jacqueminot. Crimson Rambler and Dorothy Perkins are also grown, and the latter is considered by Mr. Hallstrom one of the finest pot plants ever introduced. In the rose houses there are Bridesmaid, Bride, Souvenir de Wootton, American Beauty, Golden Gate, a few Balduin, some President Carnot, Mme. Testout and Meteor.

VIEW IN THE GREENHOUSES OF JAMES J. HILL, ST. PAUL, MINN.

The carnations are all looking fine and though but few of each variety are grown, and all in the same house, they all seem to thrive with equal freedom and vigor. Lawson, Prosperity, Bradt, Marquis, Mary Wood, Crane, White Cloud and other new and choice sorts are grown.

A house of orchids appears in fine condition and gives promise of blooms later on. Some extra fine cattleyas and dendrobes were noted. Some very fine specimen plants of Cyclamen Papillio, pelargoniums, marguerites, Cineraria stellata, auracarias, latanias and so forth are shown.

It had never before occurred to the writer that such an establishment requires harder work and more use of brains than the ordinary commercial establishment of ten times its proportions, but the multifarious duties of growing everything in limited space and having something new and pleasing for each member of the family presents more obstacles than those in commercial establishments for cut flowers and plants. This is certainly a model establishment and Mr. Hallstrom deserves great praise for his wise management of it.

FELIX.

ROSES.

THE CARE OF YOUNG STOCK.

Do not slight your young stock of roses now that Memorial day draws near. We will all be very busy but it will not do to neglect the stock upon which we must depend next winter.

There is always a strong tendency to do away with the night fireman too early, or if you have no fireman, to shut off the boilers. This is a mistake. At this time of the year there are a great many chances to get an attack of mildew on account of sudden changes in temperature, but if you keep the steam going much trouble will be avoided. Bear in mind that the coldest time in the day, at all seasons, is about 5 o'clock in the morning, and if you start the fire in the evening and leave it, you are not very liable to have any heat in the pipes at that hour.

All of the stock should be shifted into 3-inch pots, at least, by this time. Do not let them get pot bound, but keep them in a growing condition and give all the air possible. The more you harden your stock by giving plenty of air the less liable it is to take mildew and black spot. The pipes should be kept painted with a thin layer of sulphur and occasionally the bellows should be used to blow the sulphur through the houses.

The disbudding should be attended to thoroughly. Do not wait until the buds show color, but pinch back, to the second eye at least, as soon as they begin to swell. I have seen much better results by disbudding on soft growth than by waiting for the wood to harden.

If you have grafted stock they should be gone over frequently and all of the Manetti shoots cut off; also examine every union and see that the binding is not cutting into the wood; if it is it should be cut loose. I think it a very good plan to stake all of the grafted stock, as by so doing you will be better able to syringe thoroughly without breaking off the graft.

Watch the Liberty very carefully as it is more susceptible to red spider and black spot, and when disbudding do not forget to pinch back several eyes. If this is not done you are very liable to get a great deal of short growth, which will produce only short-stemmed flowers. The Liberty should be pinched back harder than any of the other varieties in order to give satisfaction. The proper disbudding of this variety is one of the most important things necessary to its success.

If you grow Golden Gate you are very

GREENHOUSES AND GARDEN OF JAMES J. HILL, ST. PAUL, MINN.

liable to have plants which throw a little too much brush. If so it will be well to look them over occasionally and cut this all out and induce stronger breaks.

During the spring and summer the young stock needs its full share of attention and whenever it is neglected the plants give evidence of it later. Treat them well now and later on they will show their appreciation and you will be thankful. R. I.

Mushroom Culture in France.

Nearly all the mushrooms consumed in Paris are grown in the disused quarries which honeycomb the country to the south of the city, more particularly in the neighborhood of Sceaux. Some of these excavations, writes Consul-General John K. Gowdy in response to numerous requests from cultivators in the United States, are of enormous extent and might properly be called, in certain instances, mines, for they have horizontal galleries, or levels, at various depths; but usually they have only one gallery, some 300 yards to half a mile in length and are from thirty to 150 feet below the surface. These galleries are generally from seven to ten feet in height, though occasionally so low that a man can scarcely stand upright in them. They are in most cases wide enough for two rows of beds, with a footway eighteen inches wide down the middle.

These old quarries are chosen for mushroom culture for three reasons: (1) Because mushrooms can be grown in them all the year around. (2) Because they can be had cheap, the rental of one of these galleries with space for a double row of beds being only 15 centimes (3 cents) per running meter (1.1 yards). (3) Because the mushrooms are believed to be superior in flavor to those grown in the open air. American gourmets, however, generally prefer the uncultivated mushrooms, and perhaps the Parisians would if they had more opportunities for making a comparison between them. From two and one-half to three tons of these cave-grown mushrooms are sent to market every day, and the total value of the trade is about $3,000,000 a year.

The grower first procures a quantity of horse manure. The large growers generally contract with cab and omnibus proprietors, carriers, and carmen, there being a belief that the dung of strong animals in constant work is better than that of hacks and hunters, which do little or light work. Moreover, in well-kept stables there is too large a proportion of clean straw with the manure, and this is quite useless to the mushroom grower, although he does not object to a certain proportion of wheat straw (not exceeding fifty per cent) if it is sufficiently dirty, trodden, and steeped in urine. Sometimes the grower will arrange to take all the sweepings of a large stable, paying 6 francs ($1.15) per month per horse; sometimes the manure is bought by the cubic meter or cartload, the average price being $1 per cubic meter (35.3 cubic feet).

The manure is unloaded in a shady place, as near the mouth of the shaft leading to the quarry as possible. Many growers prepare a wooden frame of variable size, according to the heap to be treated, having the sides fifty inches high. This does not appear to be absolutely necessary, but probably facilitates the process of fermentation. The manure is shaken up and then pressed down with a fork, and the box is filled level with the top. The heap is then watered with a large watering pot.

Fermentation soon begins and a thermometer thrust into the heap on the sixth day will mark a temperature of over 150° Fah. After eight or nine days the frame is removed and the heap turned over, the portion in the middle being brought to the sides, and vice versa. The frame is then put back, and the heaps watered again, but less copiously. Eight or nine days later, the process is repeated for the third and last time, and, after remaining another week or so, the heap is ready for the mushroom beds. The temperature has then fallen to from 86° to 100° Fah., and the manure is brown, moist and does not soil the hands when touched. It has also lost about twenty-five per cent of its bulk and does not fill the frame to a height of more than three feet. The total time occupied in the preparation of the manure has been from twenty-four to thirty days.

The manure is then thrown, or lowered in baskets, down the shaft and conveyed in narrow wheelbarrows to the part of the "cave" where the beds are to be made. The shapes of the beds vary according to the grower's fancy or prejudices, but they are rarely flat. If away from the wall they are often made roof-shaped, or if against the wall, of the form of a lean-to roof. If space has to be economized, and the height of the cave permits, stakes are driven into the wall of the gallery, boards laid across them, and a mound made on the boards. Sugar-loaf mounds are also made in odd corners, and sometimes a cask will be sawn in two and the halves filled with compost. This last, however, is rarely used except to grow specimens for exhibition at shows.

The beds are still too hot to use, but if the gallery is not far below the surface and is well ventilated they soon cool

down to the required temperature, between 60° and 65° Fah. If they do not, a stake is thrust into the mound and raised a few inches, admitting the cool air.

Dampness is not prejudicial; in fact, if the galleries are dry, watering is required before the mushrooms begin to grow, but not afterwards. On the big farms a well is often dug in the gallery; but in the small farms, or where this is not practicable, the following simple but ingenious plan is used: A tank is placed at the mouth of the shaft and filled; one end of a thick string or loosely twisted cord is placed in the water and the other end lowered down the shaft and suspended over a tank at the bottom. The water passes along the string by capillary attraction and drips into the bottom tank.

The beds are now ready for sowing. A bed that is in full bearing is pulled to pieces, and bits of it are inserted into holes dibbled in the new beds; or a portion of an old bed from the previous season (for the spawn will keep indefinitely) which has been pressed is used. A piece of this "cake," when examined will be found to have a number of white thread-like filaments running through it. Portions of this cake (4x2 inches, or so) are stuck into holes in the new beds, some eighteen inches apart and covered. At the end of eight to twelve days they are uncovered, and if the filaments are found to have spread to the surrounding soil the cake is taken out and thrown away; if not, the "mise" (or cake) is left for a few days longer, or a fresh piece inserted. If the mise has taken, in twenty or twenty-five days these white filaments will be found diffused through the whole bed.

The bed is then lightly beaten with the hand and covered with the soil in which the mushrooms are to be grown. This may be anything that is not clayey; in stone quarries the dust of the stones is often used, or sand will do If ordinary soil is employed, a hole is dug in a field or garden, the earth taken from the bottom and sifted from clods and stones The object of taking the earth from deep down is to prevent the seeds of plants being transported. The mound is covered to the depth of an inch or so, and the surface beaten flat with a board or wooden shovel.

In from twenty to thirty-five days the mushrooms begin to appear, singly or in clumps. Small, white granulations first appear at the base of the bed, and a few days later the whole surface is covered with fungi. They are considered ready to be picked when the cup has left the stem by about half an inch and are gathered by gently screwing them round and round till the stem comes out. The beds will continue bearing for four months and in that time will produce six pounds of mushrooms to the square yard.

The mushrooms when gathered are sorted according to color and size and are sold at from 10 cents to 20 cents (50 centimes to 1 franc) per pound: but the price, of course, is subject to fluctuations.

The mushroom grower has not many enemies to contend with, and only one of these is serious. Two forms of parasitic mold, known as the "green" and the "soft"—possibly only different stages of the same disease—attack the mushrooms, but do little harm, the crops being grown and gathered so quickly. Rats and mice and slugs and snails are easily poisoned or got rid of, but the only enemy to be feared is a dipterous insect of the genus sciara, smaller than the common housefly, and perhaps identical with the small fly often found on old cheese. This fly breeds in such quantities that the candles carried by the men who tend the beds are often extinguished by them. In the full-grown state this fly does little or no harm, but its larvæ infest the beds and walls and destroy the mushrooms before they appear above the ground. After a season of four or five months the beds produce little, and the growers say they are exhausted and must rest for six or eight months; at the end of that time the beds bear as well as ever, and many naturalists assert that the so-called exhaustion is nothing of the kind, but is the work of these maggots. When the galleries are closed for some months the flies and maggots die, and work can be resumed. It has been proposed to get rid of this pest by burning sulphur, or by the fumes of sulphide of carbon, or some other agent, but the growers prefer the old method.

The profit of mushroom growing is fairly good, as the following figures will show. Cost per square yard: Manure, 10 cents; labor, 20 cents; rent, 2 cents; total 32 cents. Receipts per square yard: Six pounds mushrooms, 90 cents; spent manure, 5 cents; total, 95 cents.

At home our growers would no doubt take means to destroy the insect and thus secure crops all the year round. If this could be done, the profits might be estimated at nearly $2 per square yard.

I have described the method of cultivation at some length, as the French growers assert that even a temporary departure from any of the rules will cause a failure of the crop. It remains only to be added that the galleries should not be lighted (mushrooms grow best in the dark) and should be kept scrupulously clean.

Dahlias For Cut Flowers.

In my remarks on dahlias in a recent issue I mentioned that the question of varieties is not now of first importance to the trade generally because growers and dealers have become better acquainted with the varieties and their characteristics. This applies to dahlias for general purposes, such as bedding, general collections, specimen plants, home bouquets, exhibition and so forth, but every rule has its exceptions, and, with dahlias, the exception is as to varieties for commercial cut flowers.

For this purpose a dahlia must be of good form, have long stems, good bright color, keep well after cutting, bear shipping in good condition, and to be profitable it must be a fairly good bloomer. I say a fairly good bloomer because a superb flower bringing $3 to $5, and sometimes even $10 per hundred, for we sold dahlias last year wholesale at 10 cents each, is profitable with five to ten blooms per plant.

The price for cut dahlias a few years ago was 50 cents to $1 per hundred blooms, with only Nymphæa selling for $2. Now these cheap flowers are out of date. The average price for first-class cut dahlia blooms last year was $2 per hundred, with special varieties running on up to $3, $4, $5 and $10 per hundred. S S. Pennock, of Philadelphia, sold thousands of Clifford W. Bruton, yellow, at $30 per thousand and selected May Lomas and Grand Duke Alexis for $5 per hundred.

Nymphæa and A. D. Livoni, pink; Storm King, Perle and Henry Patrick, white; Queen of Yellows, Red Hussar, Wm. Agnew and Lyndhurst, red, all sold for $2 per hundred blooms. Claribel, purple, sold at $1.50 to $2 50 per hundred, according to length of stems.

These varieties are the ones that best answer the commercial requirements and can be procured from the trade generally. Twentieth Century, the orchid single, sold wholesale at $4 per hundred in Philadelphia last year, and as it is a good bloomer is one of the most profitable to grow. W. P. PEACOCK.

The New York Exhibition.

The third annual meeting and exhibition of the Horticultural Society of New York was held at Bronx Park on Wednesday afternoon, May 14. At the business session the entire old board of officers was re-elected with the exception of four members of the council, three of whom were dropped because the charter recently obtained reduces the number of councillors from thirty-three to thirty, and one of whom was replaced by T. A. Havemeyer. The report of the secretary showed a balance of $950 in the permanent fund and a total membership of 201, an increase of seventy members during the year. A very interesting lecture on "Features of the New Zealand Flora" was delivered by Dr. N. L. Britton and illustrated by stereopticon slides supplied by L. Cockayne, government botanist of New Zealand.

The exhibition held in the Museum building brought out some excellent groups of shrub bloom and decorative greenhouse plants. Siebrecht & Sons were the largest contributors, their display comprising stove and greenhouse plants in variety in which the anthuriums were especially conspicuous, rhododendrons, mollis azaleas, etc. Frank Wienberg sent large groups of alpine and rockery plants, succulents, begonias, etc., H. T. Clinkaberry rare orchids, W. H. S. Wood shrub bloom and the Bedford Agassiz Association wild flowers.

The main interest centered in the competition for the prize of $50 for the best horticultural novelty. The entries were as follows: J. H. Troy, dwarf growing ivy from the Caucasian mountains; R. & J. Farquhar & Co., Boston, climbing rose The Farquhar; H. A. Clinkaberry, Zygopetalum Roeblingianum (rostratum × Gauthierii); L. H. Foster, Nephrolepis Fosterianna; F. R. Pierson Co., Nephrolepis Piersonii and John Lewis Childs, Tritonia crocata. The coveted award fell to the Pierson fern, which was recently illustrated and described in these columns.

"Red Devil" Lawn Mowers.

A citizen of "slow Philadelphia" now uses an automobile lawn mower! It is P. A B. Widener, who, no doubt, found the "red devil" of Paris so fascinating that he decided to put one to the hitherto tedious and unexciting process of shaving a lawn. A close shave at lightning speed leads us to wonder how soon the tree pruners of the rich will flit about their tree-tops in Santos-Dumont flying machines!—*Newspaper Clipping.*

WORCESTER, MASS.—O. B. Hadwen has offered to the city of Worcester a gift of a fifty-acre tract of land on the shores of Curtis pond for a public park, stipulating that it shall be given the name of Hadwen park.

MILWAUKEE, WIS.—Chas. Burmeister is building four 160-foot houses, using the Dietsch patent construction. Nic. Zweifel is building a rose house 30x200, and the C. C. Pollworth Company one of the same size.

A CROSS PRINCIPALLY GLOXINIAS AND BEGONIAS.

New York.

MAY MEETING OF THE CLUB—MANY MATTERS OF INTEREST.—EXHIBITION PLANS.—GOOD THINGS ON EXHIBITION.—PHILADELPHIAN TALKS OF THE DEVELOPMENT OF THE BUSINESS—EVERYONE SHOULD HELP THE SHOWS.—MARKET STILL INACTIVE.—LARGE SUPPLIES THE RULE.—VARIOUS NOTES OF DOINGS OF INTEREST.

The May meeting of the New York Florists' Club was held at the store of President Sheridan, no satisfactory club room having been found thus far. There were about thirty members present. Robert Craig, of Philadelphia, was a visitor. On the table were some very fine pansies from H. Beaulieu, and a remarkable diminutive ivy from the Caucasian mountains, shown by J. H. Troy. On recommendation of the officers of the club H. A. Bunyard was unanimously elected to serve as superintendent of the Madison Square Garden exhibition next fall. A letter from Edwin Lonsdale offering the American Rose Company's special prizes for exhibits of blooms of the new Ivory rose was presented. An invitation was received from the Horticultural Society of New York to attend the third annual meeting and exhibition of that society. Secretary W. J. Stewart, of the S. A. F., asked the approval of the club for the removal of the inscription from the flag presented by the club to the national society at the convention of 1888 and same was granted. S. L. Butterfield was appointed to succeed Wm. Plumb as a trustee. The judges, Messrs. O'Mara, Cook and Burnham, recommended the award of a certificate to Mr. Troy for his dwarf ivy and honorable mention to Mr. Beaulieu for Mme. Perret pansies. The matter of transportation to Asheville came up and the president was authorized to appoint a committee to take charge. Mr. Craig, being called up, made a cheery little talk on the development of the floral business within the past thirty-five years, relating some of the history of the introduction of the American Beauty rose and asserting that there is more glass, more capital and more men employed to-day in the production of this one specialty than there was devoted to all branches of commercial floriculture at the time American Beauty was introduced. He remarked the vast proportions to which the cut flower commission business had attained since its humble beginning not so very long ago, and recalled some of his experiences in the old times, when the present conveniences in the floral trade were unknown. Referring to the matter of exhibitions he argued that all should do something to help awaken a general interest, even if at a sacrifice, and that we all owe something to our business, which, as a matter of conscience and duty, we should not withhold.

The flower market is in a state of collapse this week. Whether it will revive again this season is doubtful. The only element that can put life and activity into it will be the cutting off of the greater part of the supply. The product in all lines far exceeds any outlet that can be provided for it. Violets are finished and so are freesias, Roman hyacinths and most of the tulips and daffodils, but the receipts of sweet peas, pansies, daisies and similar material fully offset the gain. Carnations have felt the pressure, as well as everything else, and much unsold stock is in evidence in the wholesale establishments, the quality being generally inferior. Twelve dollars a hundred is about the best price obtainable for the finest American Beauty roses and all other grades are away down. Outdoor lily of the valley has pushed the indoor product to the wall for the time being and brings about the same price per thousand as the forced stock has been bringing per hundred. Decoration day never makes much of a stir in this market, so there is no apparent prospect for improvement in general conditions until growers begin to throw out their stock and prepare for replanting.

Irises and gladioli side by side in the same window with chrysanthemums, and outdoor lilacs not far away, furnish an interesting object lesson as to the extent to which commercial floriculture has managed to reverse the seasons and furnish practically anything and everything at any time of the year. Violets alone seem to baffle those who would produce them in summertime, but who can say that this also will not be accomplished in the near future. Perhaps, however, the day is not far distant when the public, wearied of the surfeit of unseasonable things, will turn its fancy to greater simplicity in flower selection and decline to accept chrysanthemums in spring or forsythias in the fall.

The committee of the New York Florists' Club in charge of the outing to Witzel's Grove, announces that they will get up a beautiful souvenir programme for that event. Special premiums are solicited from the patrons of the organization, for the various athletic events, such as baseball between the married and single men, the East Side and the West Side; fat mens' race, boys' race, girls' race, sack race, etc., and same will be duly displayed in the souvenir programme. Address H. A. Bunyard, 38 West Twenty-eighth street.

Frequenters of the Cut Flower Exchange will be pained to learn that Miss Theresa Devitt, sister-in-law to Frank Millang, who has been employed for the past four years at Mr. Millang's counter in the flower market, died of heart failure on the morning of Tuesday, May 13. Miss Devitt was a very capable as well as a very attractive young lady and was held in high esteem. Her age was 23 years.

The opening of a new play at several theatres Monday night furnished an opportunity for quite a display of floral

gifts to popular performers. M. Bowe made a big ship of roses for Cherry Simpson, at Daly's. It was six feet long. A floral automobile went from the same artist to Miss Haynes, at the Garrick. This was of pink roses entirely.

The Harriet Cleary geranium seems to take the fancy of the frequenters of Cleary's auction room. The variety was raised by J. M. Horsburgh, of Elizabeth. The color of the flower trusses closely approaches that of the Lawson carnation.

Dunne & Company show some mammoth cacti, four and five feet tall, from Arizona, which attract considerable notice from passers. There is quite a demand for these for decorative beds about summer hotels and such places.

George Saltford has his new place of business on Twenty-ninth street all finished and it looks very attractive. The walls and ceiling are appropriately covered with paper adorned with clusters of purple violets.

Julius Lang is receiving quantities daily of purple, white and yellow Spanish irises which are among the prettiest of the seasonable flowers in the market and find a ready sale among the high-class stores.

The 5 a. m. rule at the Cut Flower Exchange causes more or less dissatisfaction and a large number of the stall holders have signed for a change to 6 a. m., as the opening hour for the market.

Pat. Smith, John I. Raynor's foreman, has acquired a new dignity since the coming last Thursday of a daughter to his home. Ten pounds, he says.

Alexander Wallace, who has been quite ill with appendicitis for some time, is sufficiently recovered to be able to come to business for a few hours daily.

H. Beaulieu has received news of the death of Mme. Perret, the originator of the pansy that bears her name.

L. J. Kreshover is preparing to open a stand in the Flower Exchange for the sale of general florists' supplies.

The Kervan Company will remove about May 24 to 20 West Twenty-seventh street.

H. A. Siebrecht has just returned from a business trip to the Berkshires in Massachusetts.

Thos. Young, Sr., is reported as very low and small hopes for recovery this time.

Geo. M. Stumpp is booked to sail on the Kaiser Wilhelm der Grosse on June 17.

Visitors: Robt. Craig and Geo. C. Watson, Philadelphia; Wm. Donald, Roslindale, Mass.

Minneapolis.

TRADE BETTER THAN WAS ANTICIPATED.—BEAUTIES THE ONLY SHORTAGE.—NOTES OF VARIOUS DOINGS.

The demand for flowers the last seven days has been somewhat brisk, more so than was anticipated. Stock in general is plentiful, excepting Beauties, which have been short, with a brisk call. Tea roses and carnations can be secured in quantities. The blooms are excellent and good prices are realized for the stock sold. The heaviest trade has been on funeral orders, thereby cleaning up the white flowers.

At Anoka, Minn, D. O. Pratt's new range is about completed, and will make one of the finest plants in the northwest. William Desmond has taken charge.

R. Will is bringing to market excellent blooms of Crane, Joost, White Cloud and Bradt carnations. He has his young stock all planted in the field. C. F. R.

Chicago.

MARKET STILL OVERLOADED IN SPITE OF THE COOLER WEATHER.—MUCH GRADING NECESSARY IN ROSE STOCKS.—BEAUTIES MOVING BEST OF ALL.—MANY GOOD CARNATIONS AND OLD SORTS DO NOT MOVE.—TONS OF LOCAL LILAC.—SPRING FLOWERS LIKELY TO BE GONE BY MEMORIAL DAY.—THE MATTER OF FLOWERS AT COMMENCEMENTS.—DOINGS OF GROWERS, RETAILERS AND OTHERS.—NOTES.

Cooler weather has undoubtedly helped the market situation this week, but the improvement has been in such slight degree that many wholesalers declare there has been none at all. The receipts are still far in advance of the possibilities of satisfactory consumption and the only item which is moving with any degree of activity is Beauties. Many growers are throwing out the old plants and with others the cut is coming off, so that supplies are not so large on this item as they are on many others. Of tea roses there is decidedly more than can be placed to advantage. The stock is soft and it requires so much grading to get out shipping qualities that the better end of the cut brings fair prices, but the great proportion which will not ship can be moved only for little or nothing. There are such large receipts of first-class carnations that those growers of the old-time sorts are left practically without a market. The up-to-date novelties have the call on whatever demand there is, and are making fairly satisfactory returns, but the other grades are selling for whatever the buyers are willing to pay. Pæonias are coming in at an unprecedented rate for so early in the season and are popular with the buyers, although not selling any too briskly. There are large receipts, also, of outdoor tulips, and everything else for that matter. There are simply cartloads of lilac, the local cut being now on, and it simply will not move at all. The only redeeming feature in the situation is that the outdoor flowers seem likely to be pretty well out of the way by Memorial day. At present shipping trade is only moderately active and local buying very dull.

A committee of the Retail Florists' Protective Association and the Wholesale Cut Flower Association interviewed Superintendent Cooley last Monday in the matter of the use of flowers at the June commencements. The prohibitive order of the School Board cut a big hole in the flower trade last year, and it is the earnest wish of everyone identified with the industry that the order be rescinded. Professor Cooley does not see the matter in the same light as the florists and is largely responsible for the Board's position, but he arranged that the trade associations meet the School Board next Thursday afternoon, May 22, to state their case. In the meantime it would be influential if the retailers' customers, particularly the poorer ones, were encouraged to write to Professor Cooley or any member of the Board, saying that they would like the privilege of sending flowers or other gifts to graduates at the commencement exercises.

Some of the best longiflorum lilies of the season are now coming in. Frank Garland has some excellent ones, and Bassett & Washburn are cutting lilies as good as ever offered in the market. The bulbs were bought under the somewhat impressive name of Lilium longiflorum multiflorum giganteum. They seem worthy of the appellation, but the flowers can't be had for Easter.

The supply of ferns from last year's stock seems to be well cleaned up. Of the several millions put in cold storage last fall, very few are left, and of these some lots are coming out in poor shape. The coarse Michigan ferns are arriving and some stock is coming up from Alabama, better than that from Michigan, but these ferns are all soft and slow to move while the Berkshire stock is to be had.

Owing to the light attendance at the meeting of the Florists' Club May 14, no business was transacted. John Hoeft, of Park Ridge, brought along some extra good blooms of Triumph and Flora Hill carnations for exhibition. The entertainment committee is making arrangements for a ladies' night, when cards will be a feature.

There is a prospect that the curbstone salesmen will be back at work shortly, for the city authorities have permitted the newsboys to return to their street stands and Mayor Harrison is quoted as saying that there shall be no favoritism in the matter of street privileges.

The grounds around E. G. Uihlein's city residence, 34 Ewing Place, have been very attractive recently with flowering plants, including six Magnolia Soulangeana, twenty-five Azalea mollis (standards), 500 hyacinths 2,000 tulips and 7,000 crocus.

Peter Reinberg has shipped or planted the last of his carnation cuttings. Archie Spencer says that this season's sales of rose and carnation cuttings and rose plants will run very close to a million, a most prodigious number.

The Ernst Wienhoeber Floral Company was incorporated this week by Ernst Wienhoeber, Helena Wienhoeber and George W. Wienhoeber. The capital stock is $25,000.

August Jurgens has the sympathy of the trade in the loss of one of his six-months-old boy twins, who died Wednesday. Interment was at Concordia Cemetery on Friday.

S. Muir says that the season for outdoor work promises to be the best on record, but the cool weather lately has somewhat retarded business.

A. C. Brown, of Springfield, has been in town this week, participating in the big golf tournament at Wheaton, making some good scores.

Some of the big growers have been helping out the sufferers in the recent big hail storm at Blue Island by donations of young stock.

M. D. Young, of Dayton, O., was in town this week on his way to Denver, where he has bought an interest in a business.

Kennicotts say that though prices average low the receipts are so heavy that sales foot up well above a year ago.

The McKellar & Winterson Company is figuring on good Memorial day trade. The supply business is already brisk.

Joe Curran, the popular manager at Friedman's, is rejoicing in the birth of a daughter.

E. C. Amling says he looks for a steadily improving market for the next few weeks.

C. W. Northrup, of La Grange, is sending in the finest outdoor tulips of the season.

J. B. Deamud has returned from a few days visit to his farm near Saginaw, Mich.

C. H. Fisk, of A. L. Randall's, made a trip to the Twin Cities last week.

Visitors: Chas. Loveridge, Peoria; J. A. Evans, Richmond, Ind.

Boston.

SEASON OF PLANTING NURSERY STOCK PROLONGED BY COOL WEATHER.—PYRUSES AT THE ARBORETUM ARE IN THEIR PRIME.—WHOLESALE MARKET OVERBURDENED.—SURPLUS IN NEARLY EVERY LINE OF CUT FLOWERS.—MEMORIAL DAY LOOKED FORWARD TO.—GOOD DEMAND EXPECTED.—VARIOUS NOTES.

The cool weather of the past two weeks has been a great help to the nurserymen, retarding growth and giving them a longer season than was anticipated. Flowering trees and shrubs are still, however, from one to two weeks ahead of the average spring. The frosts which are reported as doing so much damage in other localities have not injured anything in this vicinity and the gardens are very gay with late tulips, spiræas, Japan quince and other seasonable things. Apple trees, wistarias, red buds and so forth are just in their prime. The pyruses at the Arnold Arboretum are well worth a visit. Among the newer sorts is one from Russia flowering now for the first time. It rejoices in the fierce name of Pyrus Niedswetzkyana. Its flowers are remarkably large and of a much darker pink than ever before known. Pyrus Toringo atrosanguinea is one of the prettiest bloomers in the collection. Nothing can excel, however, the grace and delicacy of Mr. Dawson's seedling variety of Pyrus baccata, known as the Hillside variety. Among the prunuses there are several very showy subjects, one of the best being Prunus orthosepala, a native of Kansas, which is a veritable cloud of white at present. Fothergilla major, formerly known as F. alnifolia, is now covered with its fragrant, tufted spheres of white.

Embarrassed with an unprecedentedly stagnant market for the season and a very bountiful supply in all lines of material, the cut flower dealer in this town has had a most uncomfortable time of it during the past week and there is little in the indications as to the immediate future to reassure anybody. Decoration day will, of course, soon become a very interesting subject and there is a likelihood that that occasion may see some tall scrambling, as the season is so advanced in this neighborhood that the usual supply of outdoor shrub and herbaceous bloom which is so much in request for Memorial day work will be all past and gone and buyers will be forced to take the exotic material at an enhanced price. So wholesalers and growers are looking forward with confidence to a very prosperous business from their standpoint. At present the price of roses in all varieties is very low and the surplus above the meager quantity called for has to be unloaded at whatever the street men choose to offer. Violets are finished up for the season. Bulbous stock is also about at an end.

At the exhibition in Horticultural Hall on Saturday, May 10, R. & J. Farquhar & Company showed plants in bloom of the new Farquhar rose and received therefor a silver gilt medal. This rose, which was raised by Jackson Dawson, is the result of a cross between Rosa Wichuraiana and Crimson Rambler. It is of similar habit to the latter but the deep pink flowers are larger and it has a slight fragrance. Other interesting exhibits were some splendid calceolarias from Mrs. B. P. Cheney and Geo. F. Fabyan, orchids from J. E. Rothwell and a miscellaneous display of tulips, pansies and other spring flowers from several contributors.

E. J. Welch and Geo. A. Sutherland, who have both been on the sick list for some time, are out and about once more.

Chas. Ingram is in daily with a big shipment of fine lilies to Welch Bros.

Visitors: C. B. Weathered, New York; Geo. C. Watson, Philadelphia.

St. Louis.

TRADE DULL AND STOCK VERY PLENTIFUL.—GOOD GRADES MOVE FAIRLY WELL.—THE PRICES.—MEETING OF THE CLUB.—PLANS FOR THE JUNE SESSION.—MANY ESSAYS TO BE READ.—BEDDING PLANT TRADE THE BEST ON RECORD.—NO PROBABILITY OF A SURPLUS.

The market at St. Louis is very uncertain and nothing definite can be said concerning it. Good stock is not over plentiful and brings fairly good prices, but the greater part of the flowers sent in are of second grade. As high as $5 per hundred is received for the choicest roses, while $2 is the best price for carnations. Prosperity brings a little higher. Some Beauties are sent in; $3 per dozen is the highest and some are sold as low as 50 cents per dozen. Carnations run as low as 50 cents per hundred in small lots and much lower when sold in quantity. A few pæonias, principally red, are being sent in and bring $4 to $5. Sweet peas are coming in quite plentifully but are not exceptionally fine. Lily of the valley is still to be had for $3 per hundred spikes. Some irises, which are very fine, are sent in but there is not a very large demand for them. Street fakirs are doing a rushing business in carnations at two dozen for 15 cents and better ones at two dozen for 25 cents, but one of our retail stores still gets from $1 to $1.50 per dozen for carnations. Why can we not all do this?

The St. Louis Florists' Club met May 8 and though the attendance was very small a very enjoyable afternoon was spent. It was decided to accept the invitation of Dr. A. S. Halstead to meet at the Commercial Club rooms June 18 as we did last year and after the meeting to have a light lunch and bowling. In connection with the meeting a smoker will be held and all are asked to attend as the subject of a picnic will be discussed and other things for the welfare of the club. There are two essays due for this meeting, one by Fred. C. Weber on "Decorations and Designs for General Commercial Purposes" and one by Carl Beyer on "Ferns and Other Greens for the Trade." Besides these are those that were to have been read at the May meeting, one by Otto Koenig on "Care of Bedding Plants," and one by Robt. Tesson on "New Forcing Roses for the Trade." One of the questions discussed at the May meeting was the bybridizing of geraniums. Julius Schray has done some of this work but as yet nothing special has resulted from it. Dr. Halstead has a new Queen of the West. It is a cross between that variety and J. M. Gaar, a variegated. It has inherited all of the good qualities of the Queen of the West, but differs from this variety in that it is pale cerise.

The plant trade has been very good this spring, in fact better than for quite a number of years. There is not likely to be a very big surplus on hand, as there has been for the last few summers. Pape & Bergstermann have quite a fine lot of bedding stock that is being sold off very fast. They are also having quite a bit funeral and cut flower trade of late.

A meeting of the Engelmann Botanical Club was held Monday evening with forty members present. The tree committee reported that their bulletin was out and that they are trying to organize the block committees in different sections of the city. It was reported that over 65,000 packages of flower seeds had been sold.

Jno. Burke has given up his store on Washington avenue and intends to put in his whole time at his Grand avenue store, which will be remodeled to increase his display room.

Visitors: Wm. Trilllow, Chicago; Martin Reukauf, Philadelphia; J. J. Van Waveren, Hillegom, Holland. R. J. M.

Philadelphia.

ALL STOCK PLENTIFUL.—MUCH OUTDOOR BLOOM IN EVIDENCE.—BEAUTIES STILL IN HEAVY CROP.—TRADE FAIRLY ACTIVE AND PROSPECTS GOOD.—ALL ABOUT THE PRICES.—VARIOUS NOTES OF PERSONAL AND TRADE DOINGS.

Flowers are plentiful, particularly shrubbery bloom from the nurseries, which can now be had in almost any quantity and which help out many a decoration. All sorts of greenhouse stock is also in full supply, particularly Beauty roses, which are still blooming freely, cuts of 1,000 or more a day from a single grower being common. S. S. Pennock takes pride in an unsolicited testimonial which he received from a Pittsburg house to which he shipped last week one order of 2,500 blooms, all long-stemmed. They arrived in perfect order and were most satisfactory in every respect. Prices on choice stock are very low, ranging from $1.50 to $3 per dozen. Special teas move well at from $6 to $8 per hundred. George Anderson is cutting some good Carnots, which help out the variety in the rose line. Carnations are still fine. Joost still leads in the pink, with Melba a good second. This latter variety must not be lost sight of, as it keeps well up to the front and there are few better. Craig & Son are carrying some good Roosevelt. Prices range from $1.50 to $2.50 and a few at $3 per hundred. Sweet peas are moving lively at from 50 cents to 75 cents per hundred. A few centaureas have been coming in but are not to be had in any quantity. W. K. Harris and Robt. Scott & Son are sending in fine gardenias, but the price is now 25 cents and below. The common cornflower is also seen at $1 per hundred. Business is very fair for the season and while the stock of weddings is slightly off, it promises to boom up again in a couple of weeks and this, together with the school commencements, will keep things lively for a while.

We had the pleasure of shaking Karl Muller by the hand the other day. In a month or so he will reach the 90-year mark. With the exception of a little rheumatism his health is excellent. He is still active and is about the greenhouses every day. He has a bright, genial disposition and is a great lover of cacti and new plants.

Eugene Bernheimer is now handling some fine Golden Gates from the Edgely nurseries. He is well satisfied with the past season's business, which is the best on record for his house. K.

SINCE 1887 the park commissioners of Concord, N. H., have received and expended a total of $43,465, of which $40,000 was regular appropriations and the balance private gifts. The city also expended $5,350 for land added to White and Rollins parks.

THE AMERICAN FLORIST

SEVENTEENTH 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.

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.

cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

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-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., Chicago.

GLASS men say this is as good a time as any to buy at bottom prices.

THE pæonia as a cut flower has met with increased popularity each year.

NEVER before were there so many carnation plants in the fields as at the present.

THE cool, rainy weather over a large area of the country has delayed the bedding plant trade.

A NUMBER of growers are now benching Mrs. Lawson carnation for a trial of indoor summer culture.

WE are in receipt of the report of the tenth annual meeting of the American Carnation Society, held at Indianapolis last February.

W. J. GODFREY, of Exmouth, Devon, Eng., has issued a fine lithograph showing life size blooms of four of his splendid new chrysanthemums.

THE mailing label on your paper shows when your subscription expires; when you send your renewal note that the date changes within two weeks; it will serve as your receipt.

THE experiment stations throughout the country could render valuable assistance to our numerous horticultural societies by making periodical displays of injurious insects, in their various stages of development, at the frequent exhibitions.

Another.

ED. AM. FLORIST:—Enclosed is a money order for the renewal of my subscription. I cannot get along without the AMERICAN FLORIST. HAMPTON HUFF.

Walla Walla, Wash.

Warning.

ED. AM. FLORIST:—I wish to warn the florists of the country against a man who went by the name of Fred. Smith here in Omaha. He is a florist, about 32 years of age, German, and says he has been in Brazil for three years, gathering orchids, also that he has been employed on some prominent eastern places. He appears to be a good, pleasant worker but he only works long enough in a place to gain the confidence of the proprietor and go out collecting. He reports that the customers don't pay, keeps the cash and finally leaves town. In that way he swindled about a dozen Omaha people.

LEWIS HENDERSON,
Sec'y Nebraska Florists' Society.

Greenhouse Building.

South Sudbury, Mass.—H. H. Rogers, carnation house 300 feet long.

Milwaukee, Wis.—Chas. Burmeister, four houses; C. C. Pollworth Co., house 30x200; N. Zweifel, house 30x200.

Cleveland, O.—Bate Bros., rose house 20x300.

Providence, R. I.—Budlong & Sons Co., two American Beauty houses each 700 feet long.

Butler, Pa.—E. M. Holt, range of houses.

Maryville, Mo.—C. H. Hollied, house 20x80.

Woodside, N. Y.—R. Dryer, range of houses.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

J. M. Horsburgh, Elizabeth, N. J., registers zonal geranium Harriet Cleary. Bruant type, color cerise pink; trusses large and round, on good stems; foliage light green with a very faint zone; vigorous and free-flowering.

R & J. Farquhar & Co., Boston, Mass, register climbing rose The Farquhar. R. Wichuraiana × Crimson Rambler, raised by Jackson Dawson. Flowers bright rose, slightly fragrant, in clusters similar to Crimson Rambler but individual blooms larger and more double. Foliage dark green and glossy, larger than that of Wichuraiana, persistent and almost evergreen.

WM. J. STEWART, Sec'y.

Pruning Hardy Rhododendrons.

ED. AM. FLORIST:—Should hardy rhododendrons be manured in the fall or spring, and when is the proper time to prune them? I have been informed that the fall is better, and again, just after they are done flowering. As there seems to be such a variance of opinion, I would be pleased to hear from some authoritative source. J. W. B.

If it is desired to shorten in straggling growths and thicken up the plant, spring is the proper time and the cutback wood should be, syringed frequently and kept moist to encourage the formation of new leaf buds. The best time to manure rhododendrons is just as they are about to make their young growth. The best mulch for rhododendrons, however, is a good bed of leaves about a foot deep, applied every fall, which should never be disturbed afterward but allowed to decay. This is the only manure we give them. JACKSON DAWSON.

Cleveland.

TRADE ACTIVE AND AHEAD OF PREVIOUS YEARS — LARGE CALL FOR FUNERAL FLOWERS.—STOCK PLENTIFUL AND MOST OF IT GOOD.—SEVERE FALL IN TEMPERATURE DOES NOT HARM STOCK IN FIELDS. —JOTTINGS OF DOINGS OF VARIOUS GROWERS.

Business for the past week has been very satisfactory. The volume of sales during the first half of this month is largely in excess of former years. A number of prominent members of the community have crossed "the great divide," hence an exceedingly large demand for floral tributes. The "please omit flowers" is not so much in evidence in Cleveland as in some cities in the east. June promises to be a record breaker, judging from the number of orders coming in for weddings and other social functions of a high order. All flowering stock coming in is exceptionally good, roses in particular. Carnations seem to be more plentiful. Outdoor bulbous stock is about done for. Outdoor valley is coming in. Lilacs are in abundance, with the quality fairly good. Pæonias have not made their appearance yet. The severe weather of the past week proved detrimental to their development. On Saturday, May 10, a heavy snowstorm struck us, completely covering the ground, the worst experienced at this season for the past sixteen years. No perceptible damage, though, resulted to vegetation.

Sweet peas are very much in evidence. Considerable grumbling is heard about Early Blanche Ferry, fully two-thirds of the flowers being a dull, streaky pink, not at all a desirable color and hard to dispose of at any price. Who is to blame for this, the grower or the seedsman, or is the variety deteriorating? The complaint seems to be quite general.

It is a pleasure to walk through August Schmitt's place in Glenville, everything is so neat and orderly. One sees upon entering the shed in a conspicuous place the following sign: "A place for everything and everything in its place." From the general appearance of the establishment the old maxim is lived up to. His spring stock is up to its usual standard of excellence. A large batch of hydrangeas look very promising for Memorial day. No waste corners are to be seen here.

Fred. Aul was wearing a satisfied smile when visited, having just completed twenty-four large designs for one funeral. Business is rushing with him. He has obtained the contract to furnish and plant all the bedding stock for the Glenville Driving Park, which will net him a neat sum. He is going to repair and repaint his entire plant this year.

James Eadie would like to dispose of his St. Clair street property. The present location is becoming unsuitable for rose growing purposes, hence his desire to move to some location where he could procure the proper conditions.

The club held its regular meeting Monday evening and elected J. G. Schuman a member. Mr. Schuman is manager for the Essex Greenhouses, Coe Ridge, O.

The Bate Bros. have under construction a new house 20x30 for Brides and Bridesmaids. ECHO.

OBITUARY.

DAVID CLIFFE.

David Cliffe, one of the pioneer florists of Germantown, died May 6, at St. Joseph's Hospital, Philadelphia. Mr. Cliffe was born sixty years ago in Delph, Yorkshire, England, and came to this country thirty-three years ago, when he went into business as a florist near Danville, Pa. Twenty years ago he removed to Philadelphia and established the greenhouses at Johnson street and Germantown avenue, which he conducted until his death. He was first married in England, but his wife died five years ago. By this marriage three sons survive. Three years ago Mr. Cliffe married Miss Beatrice Holm, of West Philadelphia, who also survives. Mr. Cliffe had been a sufferer from diabetes for several months. Some few weeks ago he accidentally ran a nail into his left foot, and his diabetic condition eventually caused gangrene to develop. He was then taken to St. Joseph's Hospital, where it was found necessary to amputate the left leg on April 30.

M. J. LYNCH.

Michael J. Lynch, one of the best known business men of Poughkeepsie, N. Y., and widely known in the trade, died on the evening of May 12, at 8 o'clock, after a long illness, in which he battled bravely against the inevitable, throat and lung difficulty proving fatal. It was known that he was very ill, but the announcement of his death will be both a surprise and a shock to his many friends. Mr. Lynch was truly a self-made man, and his success in life represents a triumph over obstacles which have crushed many a one before him. He was born in Ireland, in the County Limerick, in 1846. He was one of five children of Matthew and Margaret Fitzgerald Lynch. His father was a gardener by occupation, and he died when Mr. Lynch was six months old. In 1848, in the great tide of immigration from Ireland, the widowed mother came to America with her baby. But two years later they returned to Ireland, where Mr. Lynch remained until he was 18 years old, leaving school at the age of 11. At that early age he was engaged by the Earl of Clare, whose estate lay on the river Shandon, to work on the farm and in the garden. He came to America in 1864, bringing with him his mother and his brother Thomas. After various vicissitudes he obtained his footing and was at different times employed by W. H. Aspinwall, at Tarrytown, on what is now the Rockefeller place, and Colonel Babbitt, of Newton, N. J., where he laid out extensive grounds and established greenhouses which attracted wide attention to his skill. He located in Dutchess county in 1868, as head gardener for William B. Dinsmore, at Staatsburg. Two years later he removed to Poughkeepsie where he commenced the business in which he became so well known. He began in a small way with one greenhouse, 12x50 feet, but he built up a fine range of glass, a big business and a valuable estate. In 1870 Mr. Lynch was married to Catherine Powers, of Rhinebeck. Their children are Thomas and John, associated with their father in business; Mary, Margaret, who died at the age of 16; James and Kate. Mr. Lynch was a man whose citizenship took the form of civic pride, and he made it his business to be interested in and informed upon local affairs. He was a member of the S. A. F. and some of his closest friends were his trade associates.

DENVER, COL.—E. W. Davies, for eight years florist at the City Park, has resigned to take charge of affairs at the greenhouses of Davies Brothers at South Denver.

BUTLER, PA.—Miss E. M. Holt has rented the greenhouses at Kane, Pa., to G. H. Linfoot and is beginning the erection here of a range of about 10,000 feet of glass, to be used mostly for carnations.

KNOXVILLE, TENN.—C. W. Crouch made some very large and handsome funeral pieces for Col. C. C. Howell, who died at Phœnix, Arizona, but was brought to Mt. Vernon, O., for interment.

WASHINGTON, PA.—On May 1 Joseph H. Seaman purchased of the I. Shelby Crall estate their branch store located in this city. Mr. Seaman has had charge of this store for the past four years and is thoroughly acquainted with the trade, and no doubt will make a success of the business.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (six words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

SITUATION WANTED By intelligent young man, experienced in decorative plants, where he can learn designing, decorating, etc. Address C A, Box 200, Saltillo, Pa.

SITUATION WANTED—By good grower for the retail trade; 14 years' experience; single; age 34. Illinois preferred. Wages $30 and board. Address. RETAIL, care American Florist.

SITUATION WANTED—As foreman and grower of cut flowers and plants. Have been foreman with prominent florists around Chicago for a number of years. Address FLORIST, Box 54, Hinsdale, Ill.

SITUATION WANTED—By middle aged, single gardener and florist, for private place. Skillful, competent to take charge and produce attractive and valuable results. Please state wages in addressing A A, care American Florist.

SITUATION WANTED—By June 1st; practical florist; German, age 28 years, single; 14 years' experience with palms, ferns, forcing stock, bedding plants and cut flowers. Private or commercial place near Chicago preferred. Address C J, American Florist, Chicago.

SITUATION WANTED—As foreman by thoroughly practical florist. Good decorator, designer, etc. Grower of No. 1 roses, carnations and 'mums. First-class commercial or private position. Good wages expected. Address G. FOREMAN, care P. O., Canton, O.

SITUATION WANTED—By first-class florist, as grower; 33 years of age, single, strictly sober; can produce first-class cut flowers; also good on pot and bedding plants, and good designer. Lifelong experience, and several years in the south—where a situation would be preferred. Address H L, care American Florist.

WANTED—Two rose growers. Address REINBERG & WEILAND, New Castle, Ind.

WANTED—A man for general greenhouse work; steady place for the right party. Address C. LOVERIDGE, Peoria, Ill.

WANTED—Florist wants to buy an icebox. Send size and price. Address Z J, care American Florist.

WANTED—Florist for general greenhouse work. State wages. Address FRANK BEU, 2780 N. Fortieth Ave., Chicago.

WANTED—Rose and carnation grower, also good on general stock for retail place. MUNCIE FLORAL CO., Muncie, Ind.

WANTED—To buy or rent small greenhouse in live city of 5,000 or more inhabitants—one with vegetable trade preferred. Address PLANTS, care American Florist.

WANTED—Rose growers and helpers; also one man that understands growing chrysanthemums. The highest wages and steady work. BASSETT & WASHBURN, Hinsdale, Ill.

WANTED—Florist with good references, to grow cut flowers and pot plants. Single German preferred. Address MRS. GEO. WALDBAUER, Saginaw City, Mich.

WANTED—A young man for retail florist place; must be well posted on ferns and palms; not afraid of work, and have AI references. Address H. F. HALLE, 548 West Madison St., Chicago.

WANTED—A young man who understands something about orchid and fern growing. State where last employed and wages wanted, with board. Address J. M. GASSER CO., Euclid Ave., Cleveland, O.

WANTED—Immediately, an all-around, working florist; must be sober, reliable and industrious; capable of growing good roses, carnations and general stock. Good place for right man. Address E H G, care American Florist.

WANTED AT ONCE—Young man who has had experience in greenhouse work where roses, carnations, chrysanthemums and general stock is grown. Must be ambitious and sober. State wages wanted. Address SUNNYSIDE GREENHOUSES, Owosso, Mich.

WANTED—A florist who is well-up on growing cut flowers and general greenhouse stock; must be a good designer and be able to care for boiler, and also wait on the trade. Must have the best of references as to honesty and sobriety. State salary wanted in first letter. Address GREENHOUSE, care American Florist.

WANTED—A good florist to grow roses, carnations, 'mums and general stock. $30.00 per month; board and room. State age and references. C. HUMFELD, Clay Center, Kans.

FOR SALE—Prosperous, up-to-date, growing florist business; established 12 years. Address for particulars, MRS S. N. ALKIRE, Greenview, Ill.

FOR SALE—Dwelling and greenhouses (no stock), centrally located in city of 4,500. Long established, paying business; no competition; 3,200 feet of glass. Cause, death of owner. MRS. MARY BEZNER, Ex., Jerseyville, Ill.

FOR SALE—At a bargain, greenhouses, 25,000 feet of glass, land and good dwelling house, barn, etc., in best of condition and well stocked; near Chicago; owner going into other business. Address H G, care American Florist.

FOR SALE — Florist's business. Well established and doing a good retail business. Located in one of Chicago's wealthiest suburbs; 25,000 feet of glass well stocked for spring sales. For full particulars and price address E, care American Florist, Chicago.

WANTED,

2 ROSE GROWERS

for Teas and Beauty, must be first-class. Address with full particulars.

Miller & Sons, Bracondale, Ontario, Can.

For Sale at a Bargain

Greenhouses, 25,000 square feet of glass, all in good condition and paying well; within 20 miles of Chicago. Owner is going to retire from business. Address F S, care American Florist.

For Sale GREENHOUSES

All new, about 12,000 feet of glass; a five-room frame house; large barn; city water. All in good condition in the city of St. Louis. For particulars address

J. C. B. (FLORIST),
4724 So. 11th Street. ST LOUIS, MO.

FOR SALE Business including two new greenhouses, 50x25 feet, well stocked with all kinds of plants. Houses are built in the latest and most improved styles. Store fixtures including an elegant soda fountain and all pertaining to it. Stock of palms and confectionery, chairs and tables for ice cream parlor. Right in the heart of the business portion of city. Established 5 years. Am the only one in the business here—population 40,000. Reasons for selling, I want to go west to friends. Write for particulars. L. O'Sullivan, West Superior, Wis.

RARE BUSINESS OPENING

IN CALIFORNIA.

Corporation doing a wholesale and retail business over the west through catalogue, desires to materially enlarge to meet demands, and to this end wishes to correspond with suitable party able to invest $3,000 to $5,000 in capital stock of the company and devote his full time to the business. Must either be a skilled propagator and able to take charge of outside work or else experienced and competent to look after commercial part of a catalogue business.

Give full particulars and experience or no attention. Address

CORPORATION, care American Florist, Chicago.

AMERICAN FLORIST ADS ALWAYS DO BUSINESS

Week days and every day,
Sundays and holidays,

ALL OVER THE COUNTRY AT HOME AND ABROAD.

PRICE LIST.

BEAUTIES.	Per doz.
Long stems	$2.50 to $3.00
Medium stems	1.50 to 2.00
Short stems	.75 to 1.00
	Per 100
Brides	$3.00 $5.00
Maids	3.00 5.00
Meteors	3.00 5.00
Gates	4.00 6.00
Carnations	1.00 1.50
" large and fancies	1 50 2.00
Lilium Harrisii	10.00 12.50
Sweet Peas	.75 1.00
Violets	1.00
Valley, select	4.00
Asparagus Plumosus, per stg.	.50 .75
Asparagus Sprengeri	4.00
Ferns, per 100 0, $2.50	.25
Galax, per 1000, $1.25	.15
Leucothoe sprays	1.00
Adiantum	1.00
Smilax, per doz	1.50 2 00

Prices subject to change without notice

WILD SMILAX

In Limited Quantities.

50-pound case, $8 00.

40-pound case, $7.00,

30-pound case, $6.00.

Orders Promptly Filled.

J. B. Deamud, 51-53 Wabash Ave. ..CHICAGO..

FERNS

Good Ferns are Scarce

We are about the only unfailing source of supply in Chicago. We still have large quantities in cold storage and can supply all comers with choice stock.

Per 100, 25c; Per 1000, $2 50; 10,000 for $20.00.

Now is the time to lay in a supply for Decoration Day.

E. C. AMLING

32-34-36 Randolph St., Chicago.

COMMISSIONS CARRIED OUT IN LONDON

or any part of Great Britain.

Messrs. WILLS & SEGAR will attend to any commission from American florists for the supply of Cut Flowers, Birthday Flowers, Bouquets, High Class Floral Designs, etc., to their clients who may be traveling in England.

WILLS & SEGAR, Court Florists to His Majesty, The King.

ROYAL EXOTIC NURSERY.

TELEGRAMS, FLOSCULO, LONDON. Onslow Crescent, South Kensington, LONDON, ENGLAND.

Frank M. Ellis,

WHOLESALE FLORIST,

1316 Pine Street, ST. LOUIS, MO.

CONSIGNMENTS SOLICITED.

TELEGRAPH CODE

OF THE

AM. SEED TRADE ASSOCIATION

$2.00,

in either stiff or flexible cover. ADDRESS ORDERS TO AMERICAN FLORIST CO., CHICAGO.

Wholesale Flower Markets

MILWAUKEE, May 15.

Roses, Beauty, long, per doz.	2.50@ 3.00
" " msd. "	1.00@ 1.50
" " short "	.50@ .75
" Liberty	6.00@10.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	4.00@ 6.00
" Golden Gate	4.00@ 6.00
" Perle	4.00@ 6.00
Carnations, ordinary	1.00
" fancy	2.00
Callas	8.00
Harrisii	10.00
Lily of the valley	4.00
Daffodils	3.00@ 4.00
Tulips	1.50@ 2.00
Adiantum	.75@ 1.00
Smilax	18.00@20 00
Asparagus	65.00
Common ferns	.25

PITTSBURG, May 15.

Roses, Beauty, specials	20.00@25.00
" " extras	10.00@15.00
" " No. 1	4.00@ 6.00
" " No. 2	2.00
" Bride, Bridesmaid	1.00@ 6.00
" Meteor	1.00@ 4.00
Carnations	1.00@ 2.00
Lily of the valley	2.00@ 3.00
Harrisii lilies	5.00@10.00
Pansies	.25@ .50
Daisies	.50@ 1.00
Sweet Peas	.20@ .50
Smilax	12.50@15.00
Adiantum	.75@ 1.00
Asparagus	35.00@40.00

CINCINNATI, May 15.

Roses, Beauty	10.00@30.00
" Bride	2.00@ 4.00
" Bridesmaid	2.00@ 4.00
" Meteor	2.00@ 6.00
" Perle	2.00@ 4.00
" Liberty	1.00@ 6.00
Carnations	1.00@ 3.00
Lily of the valley	3.00@ 4.00
Sweet Peas	.50@ .75
Irises	2.00
Longiflorum lilies	4.00@ 8.00
Asparagus	50.00
Smilax	15.00
Adiantum cuneatum	1.00
Common ferns	.20

ST. LOUIS, May 15.

Roses, Beauty, short stem	5.00@12.50
" " long stems	15.00@25.00
" Bride, Bridesmaid	2.00@ 5.00
" Meteor	2.00@ 5.00
" Golden Gate	2.00@ 5.00
Carnations, ordinary	.75
" choice	1.00@ 1.50
Peonies	5.00
Sweet peas	.25@ .40
Harrisii	5.00@ 8.00
Callas	6.00@10.00
Smilax	12.50@15.00
Asparagus Sprengeri	1.00@ 1.50
" Plumosus	1.00@ 1.50

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

E. H. Hunt,

WHOLESALE.....

Cut Flowers

THE "OLD RELIABLE,"

76 Wabash Ave., CHICAGO.

The Cincinnati Cut Flower Co.,

416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

MICHIGAN

Cut Flower Exchange,

WM. DILGER, Manager,

WHOLESALE COMMISSION.

Full line of Florists' Supplies and Decorations. Special attention to shipping orders.

26 Miami Avenue, DETROIT, MICH.

RICE BROTHERS

WHOLESALE FLORISTS and FLORAL SUPPLIES.

Receivers and Shippers of Fresh Cut Flowers.

Special attention to shipping orders. A complete line of Florists' needs. Send for price list. Prompt returns on all consignments.

128 N. Sixth St. MINNEAPOLIS, MINN.

Please mention the American Florist when writing.

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1122 PINE STREET,

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30-36-inch stems, per doz.,		$3.00
24 " " "		2.00
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6 to 8-in, " per 100	$4.00	5.00
		Per 100
Brides	$4.00	6.00
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Meteors	4 00	6.00
Gates	4.00	6.00
Carnations	1.00	1.50
" large and fancies		2.00
Callas per doz.,	1.00	1.25
Pæonias	3.00	6.00
Sweet Peas	1.00	1.50
Valley, select		4.00
Marguerites	.75	1.00
Asparagus plumosus, per stg,	.50	.60
" Sprengeri	3.00	6.00
Ferns per 1000, $2.50;		.25
Galax " 1.25;		.15
Adiantum		1.00
Smilax per doz.,	1.50	2.00

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CHICAGO, May 16.

Roses, Beauty, 30 to 36-inch stems	3.00
" " 24 " "	2.00
" " 20 " "	1.50
" " 15 " "	1.00
" " 12 " "	.75
" " 6 to 8 " " per 100	4.00@ 5.00
" Bride, Bridesmaid	3.00@ 6.00
" Meteor	3.00@ 6.00
" Perle	3.00@ 6.00
" Golden Gate	3.00@ 6.00
Carnations	1.00@ 2.50
Lily of the valley	3.00@ 4.00
Harrisii	10.00@12.50
Callas, per doz	1.00@1.25
Pæonias per doz.	.50@ .75
Cattleyas, per doz.	6.00
Sweet Peas	1.00@ 1.50
Adiantum	1.00
Common ferns per 1,000	$2.50 .25
Galax leaves, per 1000	$1.25 .15
Smilax per dozen	1.50@ 2.00

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324 Dearborn Street, Chicago, U. S. A.

Wholesale Flower Markets

BOSTON, May 14.

Roses, Beauty, extra	12.00@15.00
" " medium	6.00@10.00
" " culls	2.00@ 4.00
" Bride, Bridesmaid, Meteor.	1.00@ 2.00
" extra	3.00@ 8.00
Sweet Peas	.25@ .60
Carnations	1.00@ 2.00
Lily of the valley	2.00@ 3.00
Lilies	4.00@ 6.00
Callas	4.00@ 6.00
Adiantum	.75@ 1.00
Asparagus	50.00
Smilax	10.00@12.00

PHILADELPHIA, May 14.

Roses, Tea	6.00@ 8.00
" " extra	8.00@10.00
" Beauty, extra	20.00@25.00
" " firsts	10.00@15.00
" Queen of Edgely, extra	40.00
" " " firsts	25.00
Carnations	1.00@ 3.00
Lily of the valley	4.00@ 5.00
Asparagus	25.00@50.00
Smilax	15.00@20.00

BUFFALO, May 15.

Roses, Beauty	7.00@35.00
" Bride, Bridesmaid, Meteor	6.00@12.50
Carnations	1.50@ 5.00
Violets	.50@ 1.00
Lily of the valley	3.00@ 4.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.50

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Roses, Carnations and all kinds of Seasonable Flowers in stock.
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Fair dealing and prompt returns guaranteed.
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Phone 14269 A,
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CONSIGNMENTS OF ROSES SOLICITED.

SHIPPING LABELS FOR ....Cut Flowers
Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....
ELECTRO OF THIS LEAF, POSTPAID, $1.25.
American Florist Co.,
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FOR DECORATION DAY.

Paeonias. BEAUTIES. CARNATIONS. FERNS.

LEO. NIESSEN,
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When the consignor reads his returns the buyer opens a box of flowers From

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Are shipping the finest Roses, Carnations, Valley, Orchids, Novelties, in the New York Market. Price List to Applicants.

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48 West 30th St., New York City.
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Choice Carnations. Selected Roses.

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NEW YORK CITY,

38 W. 28th Street, Cut Flower Exchange.
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Wholesale Flower Markets

NEW YORK, May 14.

Roses, Beauty, select	10.00@12.00
" " medium	4.00@ 6.00
" " culls	1.00@ 3.00
" Bride, Bridesmaid	3.00@ 8.00
" Liberty	3.00@10.00
" Meteor, Golden Gate	2.00@ 5.00
" All kinds, job lots	.50@ 1.00
Carnations	.50@ 2.00
Lily of the valley	.50@ 2.00
Callas, Lilies	3.00@ 5.00
Sweet Peas	.25@ .50
Cattleyas	20.00@30.00
Mignonette	1.00@ 3.00
Smilax	10.00@12.00
Adiantum	.50@ .75
Asparagus	35.00@50.00
" Sprengeri, per doz. bun.	2.00@ 3.00
Lilac, per bunch	.10@ .25

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50 W. 29th St.,

NEW YORK.

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LONG DISTANCE 'PHONE AT EITHER PLACE.

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All Roses, Violets

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

J. E. NORTHRUP, Pres.; S. F. LEONARD, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

Twentieth annual convention, Minneapolis, Minn., June 24-26, 1902.

LARGE field pumpkin is one of the latest short items.

GROWERS of Roman hyacinths in southern France are asking an advance of 15 francs per 1,000.

SEED pea crops in general are looking well. In some sections the early sowings are backward, owing to continued cool weather.

J. MARTENS, the well-known lily of the valley grower and dealer, of Hamburg, Germany, is making his second tour of the United States, the first having been made several years ago.

VISITED CHICAGO: C. C. Massie and W. H. Crossland, of Northrup, King & Co., Minneapolis, Minn.; John R. Condon, with H. W. Buckbee, Rockford, Ill.; J. J. Van Waveren, Hillegom, Holland; W. R. Roach, Cambridge, N. Y.

American Seed Trade Association.

In the last issue of the AMERICAN FLORIST appeared an item referring to the date of the annual meeting of the American Seed Trade Association as "July 24, 25 and 26." This should have read June 24, 25 and 26. Readers will kindly note the correction.

Prospects point to this meeting being largely attended and one of unusual interest. A very interesting programme has been prepared, and the subjects under discussion will be of importance to the trade. Secretary Wilson, of the Department of Agriculture, and Dr. B. T. Galloway, Chief of the Bureau of Plant Industry, have accepted invitations to be present and will address the association on matters pertaining to the government seed distribution. It is the expressed wish of the officials of the department to make its work in the distribution of seeds a benefit to the seed trade, and I believe that this meeting will prove very helpful towards promoting and securing a better understanding between the Department of Agriculture and the seed trade.

Part of one day will be devoted to St. Paul, and at Minneapolis arrangements have been made for a visit to historic Minnehaha Falls, a moonlight excursion on Lake Minnetonka, etc.

We are already assured of a one and one-third fare for the round trip between Chicago and Minneapolis, and it is expected that a one and one-third rate will be made from all parts of the country for the round trip. Announcement of this will be made later.

Assurances have been received from many who have never met with the association before that they will be present on this occasion. The meeting will be held at the West Hotel. Rates on the American plan $3 a day, including room without bath, $3.50 and upwards for rooms with bath. I shall be glad to attend to the requests of those wishing reservations made, or to give such further information as may be desired. Members of the seed trade and those in collateral lines, such as lithographers, bag makers, etc., will all be cordially welcome to Minneapolis.

J. E. NORTHRUP,
Pres. Am. Seed Trade Ass'n.

Columbus, O.

COLD DAMP WEATHER CHECKS THE RUSH FOR BEDDING STOCK.—OUTDOOR FLOWERS PLENTIFUL.—ROSES MILDEWED.—NOTES.

Cold weather has put a damper on the demand for bedding plants. While little damage was done to the stock already planted out, there was some frost reported in this locality. Many of the cut roses are showing strong evidence of the mildew, not unusual for this season of the year. Some beautiful table decorations have been made during the last week out of our own wild violet, of which this country produces an abundance, a dark blue variety. Lilac is about done for and all the boys are keeping an eye on their crop of pæonias for Memorial day.

Sherman Stephens reports an unusual demand for pansies this season, but, like many of us, allowed mildew to attack his fine roses in the rush of other business. Very few pink or white geraniums are grown and, judging from the demand again this season for reds, there will be still less another season.

Gus. Drobish reports quite a run on herbaceous stock, of which he has the best collection in the city. CARL.

GRAND HAVEN, MICH.—George Hancock & Son are preparing to rebuild several houses and thoroughly modernize their place.

LENOX, MASS.—At the regular meeting of the Horticultural Society on May 3 Ed. Norman exhibited very fine flowers of Cypripedium Mastersianum. Mr. Norman also gave an account of a recent visit to Summit, N. J., and a glowing description of the new rose Mrs. Oliver Ames as seen growing there.

SOW ENGLAND'S PRIZE STRAINS CALCEOLARIA, CINERARIA AND CHINESE PRIMROSE.

Giant show varieties from English specialists.

	½ tr. pkt.	Tr. pkt.
Cineraria, English Prize Mixed.....	$ .60	$1.00
Calceolaria, English Prize Mixed....	.60	1.00
Primula, (Chinese Primrose), English Prize Fringed Mixed, 100 seeds, 25c; 500 seeds, $1.00		

PANSY Johnson & Stokes' Kingly Collection. This strain represents the largest size, greatest substance and the most gorgeous colors found in any mixture now offered. Per 1,000 seeds, 30c; 2,000 seeds, 50c; 5,000 seeds, $1.00; per oz., $5.00.

See our offer of **Begonias, Paeonias, Cladioli and Cycas** in last week's Am. Florist.

JOHNSON & STOKES, 217-219 Market St., **Philadelphia, Pa.**

Palm Seeds

Just at hand a fine shipment of fresh Palm Seeds, which we quote as follows:

Areca lutescens, per box of 25,000 Seeds, **$45.00**
Cocos Weddelliana per box of 5,000 Seeds, **$35.00**
Geonoma gracilis TRUE, per box of 5,000 Seeds, **$40.00**

Not less than one box containing the above stated number of seeds will be sold.

WRITE AT ONCE.

LAGER & HURRELL, Orchid Growers and Importers,
SUMMIT, N. J.

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CYCAS REVOLUTA STEMS.

We have just received a large shipment in assorted sizes from 3 to 12 pounds (most of them 8 or 10 pounds) which we offer at 10c per pound. Special price on large quantities.

J. M. THORBURN & CO.
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Florists' Calendar FOR MAY.

SEASONABLE SEEDS.

	100	1000
ASPARAGUS PLUMOSUS NANUS (true),	$ .85	$7.50
" SPRENGERI	.25	2.00
PRIMULA SINENSIS FIMBRIATA, sep. pure white, rose, blue, brilliant crimson..	.25	1.75
PRIMULA, mixed, finest strains	.20	1.50

CINERARIA HYBRIDA max. grandi., pkt., 500 seeds, 25c; 5 pkts., $1.00.
CINERARIA HYBRIDA nana, dwarf grandi., pkt. 500 seeds, 25c; 5 pkts., $1.00.
CALCEOLARIA HYBRIDA grandi., max. or dwarf grandi., either pkt., 25c.
CALCEOLARIA, SHRUBBY, RUGOSA, pkt. 25c.
FERN SPORES, choicest mixed, pkt. 25c.
CENTAUREA HALLEI, purple and blue, fine for cut flowers, pkt. 10c.
Our Specially, BERGER'S Never Fail Pansy Mixture, containing choicest prize sorts. TRY IT.
Snow Queen, white..1000 seeds 25c; 5000, $1.00
Gold Else, yellow.... " " "
Faust, black..... " " "
Victoria, red..... " " "
Peacock, blue " " "
Bugnot, Odier, Cassier, Trimardeau, or any color separate, 1000 seeds, 25c; 5000 seeds, $1.00.
Cassier's New Giants, unrivalled in color and size, 500 seeds, 20c; 1000 seeds, 30c.
SWEET PEA SEED, any named favorite sort, 25c a lb.; 5 lbs, $1.00.

BARGAINS IN BULBS—Clearance.

	Per 100	
Lilium Speciosum Album or Rubrum, 8 to 9-in.,	$3.50	
" " " " 9 to 11-in.,	5.00	
Lilium Album, 11 to 12-inch	6.00	
	100	1000
Gladioli—American Hybrid, 60 per cent white and light	$1.00	$8.00
May, florists' favorite gladioli	1.50	14.00
Single Tuberous Begonias, 1 to 2-inch	1.75	15.00
Double " " " "	3.00	
Montbrelias, grandiflora choice sorts	.60	5.00

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Hardy Perennial Plants.

We are carrying an Immense Stock of these popular plants.

Varieties marked with a ★ are suitable to cut.

	Doz.	100
Achillea Filipendulina, 3 in. pots	$.75	$6.00
Achillea Millefolium Roseum, 3-in. pots	.60	4.00
*Achillea The Pearl, 3-in. pots	.60	4.00
Achillea Tomentosa, 3 in. pots	1.00	8.00
Aconitum Barbatum, strong plants	1.25	10.00
Aconitum Fisheri, strong plants	1.50	12.00
Aconitum Napellus, strong plants	1.25	10.00
*Anemone Japonica Alba, 2¼-in. pots	.75	5.00
*Anemone Japonica Rubra, 2¼-in. pots	.75	5.00
*Anemone Lady Ardilaun, 2¼-in. pots	.75	5.00
*Anemone Whirlwind, 2¼-in. pots	.75	5.00
*Anemone Queen Charlotte, 2¼-in. pots	.75	6.00
Anemone Pennsylvanica, 2¼-in. pots	.75	6.00
Anemone Sylvestris, 3-in. pots	.75	6.00
Ajuga Reptans Rubra, 3-inch pots	.75	6.00
Ajuga Genevensis, 3-in. pots	.75	6.00
Alstromeria Chiliensis, 3-in. pots	1.00	8.00
Amsonia Tabernæmontana, str'g plants	.75	6.00
Anchusa Italica, strong plants	.75	6.00
*Anthemis Tinctoria, 3-in. pots	.60	4.00
*Anthemis Tinctoria, Kelwayi, 3-in. pots	.60	4.00
*Anthemis Tinctoria, Pallida, 3-in. pots	.60	4.00
*Asters, 12 choice hardy vars., 3 in. pots	1.00	8.00
*Aster Grandiflorus, 2¼-in. pots	2.00	15.00
Anthericum Liliastrum, strong plants	.75	5.00
Anthericum Liliago, strong plants	.75	5.00
Artemisia Abrotanum, strong plants	.75	6.00
Artemisia Pursbiana, strong plants	.75	6.00
Artemisia Stelleriana, strong plants	.75	6.00
*Asclepias Tuberosa, 2-year-old roots	.75	6.00
Asphodelus Luteus, strong divisions	.75	6.00
Bocconia Cordata, strong divisions	.75	6.00
*Boltonia Asteroides, strong divisions	.75	6.00
*Boltonia Latisquama, strong divisions	.75	6.00
Calimeris Incisa, strong divisions	.75	6.00
Caltha Palustris, strong divisions	.75	6.00
Caltha Palustris fl. pl., strong divisions	.75	6.00
*Caryopteris Mastacanthus, 3-in. pots	.75	6.00
Cassia Marylandica, strong 1-year-old	.75	6.00
Campanula Alliariæfolia, 3-in. pots	.75	6.00
Campanula Carpatica, blue and white, 3-in. pots	1.25	10.00
Campanula Celtidifolia, 3-in. pots	1.00	8.00
Campanula Grossekii, strong divisions	.75	6.00
Campanula Rotundifolia, 3-in. pots	.75	6.00
Campanula Trachelium, 3-in. pots	1.00	8.00
Centaurea Canariensis, 3-in. pots	1.00	8.00
Centaurea Hirta Nigra Var., 3-in. pots	.75	6.00
Centaurea Glastifolia, 3-in. pots	.75	6.00
Centaurea Montana Rubra, 3-in. pots	.75	6.00
Centaurea Montana Lady Hastings 3-in. pots	1.00	8.00
*Chrysanthemums, Hardy Pompon, 2¼-in. pots	.50	3.00
*Chrysanthemum Maximum Filiformis, 3-in. pots	.75	6.00
*Chrysanthemum Maximum Triumph, 3-in. pots	.75	6.00
Cimicifuga Racemosa, strong plants	1.00	8.00
Chrysogonum Virginianum, str'g plants	.75	6.00
Clematis Davidiana, 1-year clumps	.75	6.00
*Clematis Recta, 2-year-old plants	1.50	12.00
*Coreopsis Lanceolata Grandiflora, strong clumps	.75	6.00
Coreopsis Lanceolata Grandiflora, strong 3-in. pots	.60	4.00
Dictamnus Fraxinella, strong plants	1.00	8.00
Dictamnus Fraxinella Alba, str'g plants	1.25	10.00
Dielytra Spectabilis, strong clumps	.75	6.00
Digitalis Ambigua, strong plants	.75	6.00
Digitalis Gloxiniæflora, strong plants	.75	6.00
*Doronicum Caucasicum, 3-in. pots	1.25	10.00
*Doronicum Excelsum, 3-in. pots	1.25	10.00
Dracocephalum Ruyschianum, strong divisions	1.00	8.00
Echinops Ruthenicus, 4-in. pots	.75	6.00
Epimedium Lilacea, strong plants	2.00	15.00
Epimedium Macranthum, strong plants	2.00	15.00
Epimedium Niveum, strong plants	2.00	15.00
Epimedium Sulphureum, strong plants	$2.00	$15.00
Erigeron Glaucus, strong divisions	1.00	8.00
Erigeron Speciosus, strong divisions	.75	6.00
Eryngium Amethystinum, strong plants	2.00	15.00
Eryngium Planum, strong plants	1.00	8.00
*Euphorbia Corollata, strong roots	.60	4.00
*Feverfew Little Gem, 2¼-in. pots	.60	4.00
Funkia Cœrulea	.60	4.00
Funkia Subcordata Alba	1.00	8.00
Funkia Undulata Media Picta	1.25	10.00
Funkia Thomas Hogg	1.00	8.00
*Gaillardia Grandiflora, 3-in. pots	.75	6.00
Gaillardia Grandiflora, 4-in. pots	1.00	8.00
Geranium Sanguineum, strong divisions	1.00	8.00
Geranium Sanguineum Album, strong divisions	1.00	8.00
Geum Atrosanguineum, fl. pl., 3-in. pots	.75	6.00
Geum Coccineum, 3-in. pots	.75	6.00
Geum Coccineum, fl. pl., 3-in. pots	.75	6.00
Geum Heldreichi, 3-in. pots	.75	6.00
*Gypsophila Paniculata, strong 1-year	.75	6.00
Gypsophila Paniculata Compacta, strong one-year	.75	6.00
*Helenium Autumnale Superba, strong divisions	1.00	8.00
Helenium Grandicephalum Striatum 3-in. pots	.75	6.00
*Helenium Hoopesi, strong divisions	1.00	8.00
*Helenium Pumilum, 3-in. pots	1.00	8.00
*Helianthus Multiflorus, fl. pl., 2¼-in.	.75	6.00
*Helianthus Multiflorus Maximus, 2¼-in. pots	.75	6.00
*Helianthus Miss Mellish, strong divisions	.75	6.00
*Helianthus Mollis, strong divisions	.75	6.00
*Helianthus Orgyalis, strong divisions	.75	6.00
*Helianthus Rigidus, strong divisions	.75	6.00
*Helianthus Tomentosum, strong divisions	1.25	10.00
*Heliopsis Pitcherianus, strong divisions	.75	6.00
*Heliopsis Scaber Major strong divisions	.75	6.00
Hemerocallis Dumortierii, strong plants	.75	6.00
Hemerocallis Fulva, strong plants	.60	4.00
Hemerocallis Flava, strong plants	.60	4.00
Hemerocallis Kwansoflora plena, strong plants	.60	4.00
Hemerocallis Middendorfii, strong plants	1.25	10.00
Hemerocallis Thunbergi, strong plants	.75	6.00
Hibiscus Militaris, strong 1-year-old	.75	6.00
Hibiscus Moscheutos, strong 1-year-old	.75	5.00
Hibiscus Moscheutos Roseus, strong one-year-old	.75	5.00
Hibiscus Moscheutos Crimson Eye, strong one-year-old	.75	5.00
Heuchera Sanguinea, 3-in. pots	1.00	8.00
*Iris Kæmpferi, 25 choice named vars.	1.50	10.00
Iris Kæmpferi, choicest mixed vars.	1.00	8.00
Iris Germanica, 12 choice named vars.	.75	6.00
Iris Germanica, choice mixed varieties	.50	4.00
*Iberis Sempervirens, strong divisions	.75	6.00
Inula Brittanica, 3-inch pots	.75	6.00
Inula Ensifolia, 3-in. pots	1.00	8.00
Liatris Graminifolia, strong plants	1.00	8.00
Liatris Scariosa, strong plants	.75	6.00
Liatris Spicata, strong plants	.75	6.00
Linum Perenne, one-year-old plants	.75	6.00
*Lobelia Queen Victoria, 3-in. pots	1.00	8.00
Lychnis Chalcedonica fl. pl., 3-in. pots	2.00	15.00
*Lychnis Vespertina Alba, strong clumps	1.25	10.00
*Lychnis Viscaria Splendens, 2¼-in.	.75	6.00
*Lysimachia Clethroides, strong plants	.75	6.00
Lythrum Roseum Superbum, strong plants	.75	6.00
Monarda Didyma, 3-in. pots	.75	6.00
Monarda Didyma Purpurea, 3-in. pots	.75	6.00
Monarda Didyma Rosea, 3-in. pots	.75	6.00
Monarda Didyma Splendens, 3-in. pots	.75	6.00
Monarda Fistulosa Alba, 3-in. pots	.75	6.00
*Myosotis Palustris Semperflorens, 3-in. pots	$.60	$4.00
*Myosotis Robustus Grandiflorus, clumps	.60	4.00
Œnothera Pilgrimi, 3-in. pots	.75	6.00
Pardanthus Sinensis, strong divisions	.75	6.00
Papaver Orientale, strong 3-in. pots	.75	6.00
*Pæonias, Double Herbaceous, 10 choice varieties	1.50	12.00
*Pæonias, Single Herbaceous, 12 choice varieties	2.25	18.00
*Pentstemon Barbatus Torreyii, strong clumps	1.00	8.00
Pentstemon Cœrulea, strong divisions	1.00	8.00
Pentstemon Digitalis, 3-in. pots	.75	6.00
Pentstemon Diffusus, strong divisions	1.00	8.00
*Pentstemon Ovatus, strong divisions	.75	6.00
*Perennial Phloxes, 50 choice varieties, 3-in. pots	.75	6.00
*Hardy Pinks, 5 choice vars., 4-in. pots	.75	6.00
*Platycodon Grandiflorum, strong roots	.75	6.00
*Physostegia Virginica, 3-in. pots	.75	6.00
*Physostegia Virginica Alba, 3-in. pots	.75	6.00
Plumbago Larpentæ, strong divisions	1.25	10.00
Plumbago Larpentæ, 2¼-in. pots	.60	4.00
Polemonium Cœruleum, 3-inch pots	1.00	8.00
Polemonium Cœruleum Alba, 3-in. pots	1.00	8.00
Polemonium Richardsoni, 3-in. pots	1.50	
Potentilla Formosa, strong divisions	.75	6.00
Potentilla Hopwoodiana, strong divisions	.75	6.00
Pontentilla Phœnix, strong divisions	.75	6.00
*Pyretorum Hybridum Mixed Seedlings, clumps	1.00	8.00
*Pyretbrum Uliginosum, strong divisions	.75	6.00
*Primula Veris Superba, strong plants	1.25	10.00
Ranunculus Acris fl. pl., strong plants	.75	6.00
*Rudbeckia Golden Glow, 4-in. pots	.75	6.00
*Rudbeckia Newmani, strong divisions	.75	6.00
*Rudbeckia Purpurea, 3-in. pots	1.00	8.00
*Rudbeckia Subtomentosa, strong divisions	.75	5.00
*Rudbeckia Triloba, 3-in. pots	.75	6.00
Salvia Azurea Grandiflora, strong plants	1.00	8.00
Santolina Incana, 2¼-in. pots	.50	4.00
Santolina Chamæcyparissus, 2¼-in. pots	.50	4.00
*Scabiosa Caucasica, strong plants	1.00	8.00
*Scabiosa Caucasica Alba, strong plants	1.25	10.00
Saxifraga Crassifolia, strong plants	1.50	12.00
*Sedum Spectabilis, 2¼-in. pots	.75	6.00
*Statice Incana, strong plants	.75	6.00
*Statice Gmelini, strong plants	1.25	10.00
*Statice Latifolia, strong plants	1.00	8.00
*Statice Tartarica, strong plants	.75	6.00
Teucrium Canadense, strong plants	1.00	8.00
*Thalictrum Aquilegifolium, strong plants	1.25	10.00
*Thalictrum Aquilegifolium Atropurpureum, strong plants	1.25	10.00
Thalictrum Adiantifolia, strong plants	1.50	12.00
Thalictrum Anemonoides, strong plants	1.25	10.00
Thalictrum Glaucum, strong plants	1.25	10.00
Thermopsis Caroliniana, 1-year-old	1.00	8.00
Tradescantia Virginica, strong	.60	4.00
Tradescantia Virginica Alba, strong	.60	4.00
Tricyrtis Hirta, 3-in. pots	1.00	8.00
*Trollius Europæus, divisions	.75	6.00
*Tritoma Pfitzeri, strong divisions	1.00	8.00
Veronica Candida, strong divisions	.75	6.00
Veronica Longifolia Subsessilis, 2¼-in. pots	.75	6.00
Veronica Incana, strong divisions	1.00	8.00
Veronica Rosea, 3-in. pots	1.00	8.00
Veronica Spicata, strong divisions	1.00	8.00
Veronica Spicata Variegata, strong divisions	1.00	8.00
Vinca Minor, strong clumps	.75	6.00

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THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

R. C. BERCKMANS, Pres.; R. J. COE, Vice-Pres. GEORGE C. SEAGER, Rochester, N. Y., Sec'y. Twenty-seventh annual convention, Milwaukee, Wis., June 11-13, 1902.

THE elm trees along Michigan avenue, one of the finest boulevards in Chicago, are being replaced by poplars. It is said that there was too much smoke for the elms.

THE Main State Pomological Society is holding horticultural schools in various rural communities, the first purposes of which are to interest school children in the study of plant life.

THE park commissioners of Springfield, Mass., have organized for the year with C. E. Mackintosh as chairman and D. Hartnett clerk, and will meet regularly on the first and third Mondays of each month.

WALTER MULFORD, the Connecticut state forester, has been inspecting many tracts of land which have been offered for sale for the purposes of a state park. An initial purchase for a reservation for the practical demonstration of scientific forestry will probably be made not later than July.

THE growth of the business of Thomas Meehan & Sons has made it necessary to establish a complete office at their Dreshertown, Pa., nurseries. This will be under the direct charge of Thomas B. Meehan, who will devote his entire energies to the wholesale branch of the business. The innovation will be made July 1.

MILWAUKEE is one of the most beautiful of the cities in which the American Association of Nurserymen has ever met and, coming at the close of a very busy business period, the central location promises to result in an unusually large attendance. Professor L. H. Bailey promises to be on hand to make an address.

THE Botanical Society of Western Pennsylvania has had a meeting at Carnegie Institute, Pittsburg, to make preliminary arrangements for the reception and entertainment of the members of the American Association of Botanists, of whom some 600 to 1,000 are expected to be in attendance at the annual convention in that city June 28 to July 3.

"THE nursery trade in the south is good," says N. W. Hale, of the Knoxville Nursery Company. "This makes the third year of a general fruit crop throughout all the territory canvassed by retail nurserymen, which includes about twenty states. The country generally is in good shape, farmers gradually progressing, and in my judgment the nursery trade is on the eve of a great boom in the south."

Toronto.

TRADE TAKES OF RENEWED ACTIVITY AND STOCK SHORTENS UP.—LARGE CALL FOR FUNERAL FLOWERS AND WHITE STOCK SCARCE—VARIOUS NOTES OF LOCAL AND TRADE DOINGS.

Business has braced up considerably the past week and, now that the growers are replanting, stock is shortening up. Beauties are again not near enough to go around. Other varieties are a little more plentiful and still of good quality. Carnations are scarce, especially white, which are gathered up quickly. The many orders for funeral work keep lilies and other light-colored stock well used up.

The decoration of the Batoche monument in Queen's Park, under the anspices of the Northwest Field Force, took place last Saturday and many floral tributes were donated by the different military organizations, giving the florists a busy day. Among the private contributors were J. H. Dunlop, S. Tidy & Son and the Dale estate, Brampton.

The tulip beds in the city parks and gardens are a blaze of color and many good varieties are seen, which are appreciated by the citizens. Each year a larger quantity of bulbs are planted and those planted at the Parliament grounds are a credit to any city. Simmers & Company supplied the bulbs.

Arthur Frost, who had the freeze-out last winter, is again marketing good small stock. His callas, sweet peas, swainsonia and white stocks are especially good.

J. Gard is sending in some good colored sweet peas. H. G. D.

Fall River.

THE DISSEMINATOR OF CRESSBROOK HAS A GOOD WHITE SEEDLING.—ENLARGED PLANT IN VERY GOOD SHAPE.

Although a novice at handling seedlings, Mr. Warburton has certainly introduced Cressbrook like a veteran, having made ample preparations to grow enough stock and to meet all comers. A white one may be next in order, although it must undergo another year's test. A stroll through the houses and a glance at the general stock proved interesting. Everything about the establishment looks clean, thrifty and vigorous, showing the result of the best care and attention. Since my last visit, over a year ago, the place has been considerably enlarged, three modern houses each 25x100 having been added to the range. Ten houses, comprising 35,000 feet of glass, are now included in Mr. Warburton's establishment. NOMIS.

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Please send list of your wants and write for general catalogue. We will make you special offers. Write to

GROENEWEGEN & ZOON,

De Bilt, near Utrecht, Holland.

Laurel Hill Nurseries F. BRUNTON Manager.

Importers and growers of Choice Hardy Perennials. Native Trees, Shrubs, Specimen Evergreens. We grow large quantities of Iris, Paeonias, Tritomas, Phlox, Delphiniums; stock is perfectly hardy, true to name. Send for Special Catalogue of New Hardy Alpine Iris, now in the press.

Stockbridge, Mass., U. S. A.

CLEMATIS Large Flowering, leading kinds, strong 2-year plants from 4-inch pots in 12 sorts. $2.00 per doz.; $16.00 per 100. 25 at 100 rate.

Choice Hardy Monthly ROSES in twelve (12) kinds, $1.50 per doz., $10.00 per 100.

ADIANTUM, (Maidon Hair Ferns), strong clumps, $5.00 per 100; 75c per doz.

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ORNAMENTAL AND FOREST TREES A SPECIALTY.

Conifers, Evergreens, Hollies, Etc.

Prices on Application.

Gladiolus "1900"

NOVELTY. Very showy for cut flower work and florists' window decorations. Spikes 15 inches long, very strong grower, rich red color, three white spots on lower petal. Good substance lasting well after cutting. Successive plantings of this would secure fine window show the whole season. Per 100, $3.75.

GLADIOLUS Mixtures A good assortment.

Vaughan's Seed Store, New York. Chicago.

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500 Clumps of Rhododendron Maximum, 6 to 8 ft. high, at $25 a doz. Prices of smaller clumps and Kalmias on application.....

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Originated by PETER FISHER. An advance on its pollen parent, the Lawson.

LARGEST AND BEST CARNATION ever offered to the trade. Pays more per square foot of bench space than any Carnation in commerce. Blooms average 3 1-2 inches in diameter, over 4 inches when fully developed. Calyx never bursts. **Delivery commencing January 15, 1903.** Orders for over 100,000 already booked. Books closed for January delivery. If you wish February delivery do not delay sending in your orders. **Price list of rooted cuttings**—per dozen, $3; per 100, $12; per 1000, $100; 2,500 at $95 per 1000; 5,000 at $90 per 1000; 10,000 at $80 per 1000.

J. D. Thompson Carnation Co.

JOLIET, ILLINOIS.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 79 Milk St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At New York.

An enjoyable session of the bowling club was held on Monday afternoon, May 12, at which the following scores were recorded. Mr. Lang's challenge has not yet been taken up, even by the Philadelphians.

Player	1st	2d	3d	4th
Butterfield	148	130	151	136
Siebrecht	175	136	141	142
Burns	158	181	157	181
Lang	180	156	166	160
Shaw	157	139	113	99

At Flatbush.

The bowlers have moved for the summer season to the up-stairs alleys. Last Thursday evening, being their first experience on these highly-polished alleys, the scores made on that occasion were mostly in the two figure class and we refrain from putting them in type out of regard for the participants. Louis Schmutz made his first appearance for many weeks. H. A. Bunyard was a visitor and industriously distributed placards and tickets for the approaching excursion of the New York Florists' Club.

Buffalo.

WEATHER NOT FAVORABLE TO CUT FLOWER SALES AND STOCK PLENTIFUL — BIG CALL FOR BEDDING PLANTS.—MANY WINDOW BOXES AND LAWN VASES TO BE FILLED.—NOTES.

With weather rather on the cold side, the influence has not been in favor of the sale of flowers. Every store is selling cheap roses and some have had carnations as low as 19 cents a dozen. Good Bridesmaids and Brides sell at from $1.50 to $2 per dozen and Beauties at from $6 to $9 per dozen at retail. Good window displays are common now, owing to the large supply of stock. At the greenhouses everyone is busy now booking spring orders for bedding stock and the lawn vases so popular in our city. Veranda boxes have their usual call this year, as last. Flower beds in the parks are now fine with tulips, while many vases on private property are temporarily filled with pansies, which look fine.

The park commissioners are working hard to get the North Park grounds in shape again after the tear-up for the Pan-American. Strong efforts were made to have the electric tower placed at the Front but the price asked for it and the expense of maintaining it were too great.

The next big demand for flowers will be for Memorial day. School commencements next month will call for a fine lot of roses, as orders are now coming in for them. Mrs. Bradt carnations are fine, but Marquis is not keeping very well. All other varieties are very good.

S. A. Anderson is very busy stocking up his greenhouses lately acquired from F. Katoll, on Linwood avenue, in the finest residence part of the city. W. A. Adams now has charge at Mr. Anderson's store at 440 Main street.

J. N. Rebstock expects to make some big changes in his Elmwood avenue houses and office this summer.

Several weddings lately have called forth a number of decorations, but none very elaborate. A very large wedding is booked for next month.

Palmer & Son have not started the alterations in their new store as yet.

Visitors: E. R. Fry, Rochester; S. B. Smiley, Lancaster. BISON.

Bowling Green, Ky.

NEW CONCERN INCORPORATED TO BUILD UP A LARGE PLANT AND FLOWER BUSINESS.

The Burdell Floral Company has filed articles of incorporation, with a paid in capital of $2,500. The incorporators are R. W. Burdell, C. J. Burdell, F. S. Burdell and J. M. Sterrett. Officers are as follow: President, R. W. Burdell; manager, C. J. Burdell, secretary and treasurer, F. S. Burdell.

The company has bought the Hills property, consisting of about four acres, on the Cemetery pike, and will put up a large greenhouse and raise cut flowers and plants on a large scale and will establish a store in the city at which they will do a general florist business. They expect to do a big out of town business and ship their stock all over the country.

MARYVILLE, MO.—C. K. Hollied has been very busy preparing to move his houses to get more room and to add another house 20x80.

UTICA, N. Y.—At the annual meeting of the Utica Florists' Club held this week the following officers were elected: President, Frank J. Baker; vice-president, Wm. P. Pfeifer; treasurer, Chas. F. Seitzer; secretary, J. C. Spencer.

PATERSON, N. J.—On a recent evening a man was loitering about the new home of Edw. Sceery, into which they had only moved that day, and when Mrs. Sceery was alone attempted to gain admission. She fired a revolver to scare him away and Mr. Sceery, returning at the moment, grappled with the fellow and held him until the police arrived.

SYOSSET, N. Y.—The Nassau County Horticultural and Agricultural Society has been organized by a number of residents and land owners of Nassau Heights and Syosset, Long Island. The first exhibition under the auspices of this association will be given next October, when a prize schedule aggregating nearly $1,000 is contemplated.

Carnation Floriana.

We believe this to be the best pink carnation introduced to date, was disseminated in the spring of 1901 by originators, Messrs. Fillow & Banks. Price, $6 per 100; $50 per 1000. 50 at 100 rate, 500 at 1000 rate. Less than 50, 8c each.

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20,000 Chrysanthemums, Ready to ship. Per 100

Timothy Eaton, 2½-inch $3.00
Kate Broomhead, Appleton, 2½-inch 2.50
Viviand-Morel, Maud Dean, Bonnaffon, Ivory, Trainor Park, 2½-inch 2.00
Cuttings at one-half above prices.
Stevia, rooted cuttings 1.00
Ceraniums, good bedders, mixed, 2½-in. pots 2.50
Asters, transplanted, ready for field ..... .75

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Strong plants out of 2-in. pots.
$6.00 PER 100.
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1902 DAHLIAS Admiral Schley, Eureka, Gold Standard, Black Bird, Pink Dandy, Leone, Profusion, Alba Superba, Gaillardia, Judah and Olympia. All sterling American varieties.

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Send for our up-to-date dahlia catalogue. Also special list of cut flower dahlias, before ordering elsewhere.

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Comprising suggestions for cultivation of horticultural plants, descriptions of the species of fruits, vegetables, flowers, and ornamental plants sold in the United States and Canada, together with geographical and biographical sketches

By L. H. BAILEY,
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Paeonias ...AT... 75 cts. a Dozen

FOR DECORATION DAY.

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SUBJECT TO CHANGE WITHOUT NOTICE.

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Am. Beauties, short	$ 8.00 to $10 00	Carnations, fancy varieties	$ 3.00 to $ 4.00
Am. Beauties, medium	15.00 to 18.00	Carnations, good average	2.00 to 2.50
Am. Beauties, fair length	25.00 to 30.00	Valley	2.00 to 5.00
Am. Beauties, long	40.00	Daisies	1.00 to 1.50
Meteors	5.00 to 10.00	Smilax	12.50 to 18.00
Brides and Bridesmaids	4.00 to 7.00	Adiantum	.50 to 1.00
Perles	4.00 to 7.00	Asparagus per string,	.75
Roses, our selection	3.00 to 4.00	Galax per 1000, $1.50,	.20
Pæonias, pink and white, per doz. 75c.		Common Ferns per 1000, $2.50,	.30

WE ALWAYS SHIP EXTRA SELECT OR HIGH-GRADE GOODS UNLESS OTHERWISE ORDERED.

BARGAINS in Chrysanthemums and Fuchsias, named varieties, at $2 50 per 100.

Allamanda Williamsii ..... $4 00 per 100
Acalypha Sanderii ..... 3.00 per 100
Russelia Elegantissima ..... 3.00 per 100
Vinca Variegata ..... 4.00 per 100
All good 2½-inch plants.

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E. B. JACKSON, Stamford, Conn.

GERANIUMS Magnificent stock, 4-in., in full bloom, $7 per 100.
Fuchsias, 4-in., 4 kinds, grand stuff, $7 per 100.
Cannas, 4-in., best sorts, $6 per 100.
Boston Ferns, superb specimens from the bed, $25 to $30 per 100. Good, liberal value.
Some fine 3-in. **Golden Gate,** at $5 per 100.
Superb assortment of Mammoth Verbenas, in flower, 3-in., $3; 2½-in., $2.50 per 100.
All moneymaking stock. Your order will be conscientiously filled and you will be well pleased.

W. H. GULLETT & SONS, LINCOLN, ILL.

Please mention the American Florist when writing.

Bedding Plants.

Mme. Salleroi Geraniums, 2-in... per 100, $3.00
Centaurea Gymnocarpa, 2-in..... " 2.00
Petunia, double pink..... " 3.00
Coleus, rooted cuttings..... " .75
Begonia Argenteo-Guttata, 3-in.. " 3.00

CASH WITH ORDER.

WM. CLARK, BATAVIA, ILL.

PANSIES

The Jennings Strain.

Fine cold frame plants in bud and bloom, $1.50 per 100; $7 50 per 500. Cash with order.

E. B. JENNINGS, Lock Box 254, Southport, Conn.
Grower of the Finest Pansies.

ROOTED CUTTINGS

Estelle, $5.00; Lawson, $4.00; Marquis and Elm City, $2.00; Crocker and Lord, $1.00 per 100. Other varieties on application.

DANA R. HERRON, OLEAN, N. Y.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

Orchids!

Arrived in excellent condition: Cattleya Skinneri, Peristeria elata (Holy Ghost Orchid), also Cattleya Dowiana and a number of Dendrobiums. Write for our illustrated and descriptive catalogue of orchids.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

FAXON'S "WHITE HOUSE" PANSIES.

The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.

In Trade Packets at $1.00 each.

M. B. FAXON,
Lock Box 1528. BOSTON, MASS.
Correspondence solicited.

BEGONIA GLOIRE DE LORRAINE,

2¼-inch pots, $15.00 per 100.

Write for prices on large lots. Stock guaranteed absolutely free from disease.

THOMAS ROLAND, Nahant, Mass.

Washington.

TRADE MOSTLY IN THE LINE OF FUNERAL FLOWERS —SOME GOOD WORK REQUIRED. —NOTES.

Trade has fallen off somewhat the last week and with the exception of funeral work there has been very little doing. With the congressional party that attended the funerals of Congressmen Otey and Salmon, A. Gude & Brother sent a man to look after the flowers. A large number of fine designs were made for Admiral Sampson's funeral. Several fine large wreaths were noted, made of Liberty roses, lily of the valley and cattleyas. One wreath was made solid of lily of the valley. It took two large wagons to carry the flowers to Arlington Cemetery. The weather is keeping very cool and cloudy, which suits German irises very nicely and they are making a fine show. P. G.

Peoria, Ill.

GROWERS BUSY PLANTING STOCK IN THE FIELD.—MANY BUILDING FOR CARNATIONS —TRADE GOOD.

Everyone in the florist line has been very busy planting out carnations and other stock the last month. Bedding plants are selling well, although the weather has not been very favorable.

Henry Baer, who has been with C. Loveridge since leaving Murray's, has started to build his new range of houses, which is to be 50x200 for carnations only.

C. Loveridge will build one house 25x125 for carnations and one house 10x125 for propagating.

Juergens will replace two of his old houses with one modern house, using Garland iron gutters.

Everyone reports trade good, and plenty of stock. L.

CHATTANOOGA, TENN.—On May 6 this city was treated to a flower parade which eclipsed all its predecessors not so much in the number of decorated vehicles as in the profusion, but good taste, with which the flowers were used.

Asparagus PLUMOSUS NANUS....

From flats, $2.50 per 100; $20.00 per 1000. 25 at 100 rates; 250 at 1000 rates, prepaid. CASH.

LOOMIS FLORAL CO.
LOOMIS, CAL.

S. S. SKIDELSKY,
708 N. 16th Street,
PHILADELPHIA, PA.
CORRESPONDENCE SOLICITED.

JOSEPH HEACOCK,
Wyncote, Pa., Grower of
Palms and Am. Beauty Roses.

The New White

That is Hard to Beat. Rooted Cuttings from flats, A No. 1, stuff. Per 100, $4.50; per 1000, $40.00.

ASPARAGUS PLUMOSUS NANUS.

Fine bushy stock in large quantity.

	Doz.	100	1000
5-inch pots	$4.00	$30.00	
4-inch pots	2.00	15.00	
3-inch pots	1.00	8.00	$70.00
2½-inch pots	.60	5.00	40.00

ARAUCARIA EXCELSA. A Big Bargain.

5-inch pots, 18 to 20 inches high, 4 to 6 whorls, each, 75c; dozen, $9.00.

PHŒNIX CANARIENSIS.

Fine bushy plants, 8-inch pots, 36 inches high, each, $2.50; dozen, $24.00.

BOSTON FERNS.

In pans, grown the way you like them, full, bushy, compact stock, ready for your counter trade.

	Each	Doz.	100
12-inch pans	$4.00	$40.00	
10-inch pans	3.00	30.00	
9-inch pans	2.00	24.00	
8-inch pans	1.50	15.00	
7-inch pans	1.00	10.00	
5 inch pans	.50	5.00	$40.00
4-inch pots		2.50	20.00
3-inch pots		1.50	10.00
2½-inch pots		.60	5.00

Started Plants of Cannas,
a full line of all the leaders. Write for prices.

VAUGHAN'S SEED STORE,
GREENHOUSES: WESTERN SPRINGS, ILL.
84 & 86 Randolph Street, CHICAGO.
14 Barclay Street, NEW YORK.

IF YOU WANT

Cannas in 3 and 4-in. pots, Caladiums in 6-in. pots, Verbenas, Pansies, Ageratum, Salvia, Heliotropes, Vincas, English Ivy, Asters. If you want

GERANIUMS in 3 and 4-inch pots—Red, White, Pink, Salmon, Rose, Ivy and Pelargonium, Mme. Salleroi. If you want

Smilax, Asp. Plumosus, Asp. Sprengeri.

If you want ROSES You are interested. See our list in last week's number of this paper. Especially fine PERLES in 3x2½-inch.

BOSTON FERNS.

Don't fail to write us about them, or better yet, **Order a Hundred for a Sample.** 2½, 3, 4, 5, 6, 8 and 10-inch. **Write**

GEO. A. KUHL, PEKIN, ILL.

Geraniums

STANDARD VARIETIES, 3½-in. pots, $6.00 per 100; $50.00 per 1000.

CANNAS, standard varieties, 4-in. pots, $7.00 per 100; $60.00 per 1000.

EUGENE LEWIS, ELMIRA, N. Y.
Please mention the American Florist when writing

ASTER Plants

Semple's Branching and Queen of the Market, in white, pink, blue and red, fine plants, grown from the finest seed saved by myself, at $2.50 per 1000; 40c per 100.

J. C. SCHMIDT, BRISTOL, PA.

SPECIALTIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery,
CHRYSANTHEMUMS,
SMILAX, VIOLETS.

In Best Varieties

Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.
Please mention the American Florist when writing.

ROSES **BRIDES and MAIDS,** fine, 3-inch pots, $3.50 per 100.
Ceraniums, 3 and 3½-inch pots—Double Grant, S. A. Nutt, Murkland and double deep pink at $5 per 100. The above varieties from 2¼-inch pots, $2.50 per 100. Assorted, 2½-in. pots, $2.50 per 100.
Alternanthera, (2 varieties). Golden Bedder and assorted Coleus, German Ivy and 3 varieties of Ageratum, 2-inch pots, $1.50 per 100. Rooted cuttings of Alternanthera and assorted Coleus, 55c per 100; $5.00 per 1000. Cash please.
R. I. HART & BRO., HACKETTSTOWN, PA.

FERNS. Mixed varieties, strong stock and good assortment, in 2-inch pots, $3.50 per 100; $30.00 per 1000.

BEARD BROS., West Fort Street, ...DETROIT, MICH.
Please mention the American Florist when writing.

50,000 Canna Roots

Alphonse Bouvier, Mme. Crozy, Chas. Henderson, Marquant, Burbank, $12.50 per 1000; $1.50 per 100. Mixed, $10.00 per 1000; $1.25 per 100.

MICHIGAN CUT FLOWER EXCHANGE,
DETROIT, MICHIGAN.
Please mention the American Florist when writing.

McKellar & Winterson Co.

45-47-49 Wabash Ave., CHICAGO.

HEADQUARTERS for ALL CUT FLOWERS, SUPPLIES and NOVELTIES FOR SCHOOL CLOSINGS and **DECORATION DAY**

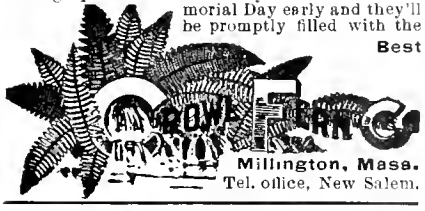
Our supply will consist of all the best varieties of Roses, Carnations, Paeonias, Lilies and other miscellaneous stock. Large supply of Decorative Goods, such as Galax Leaves, Leucothoe Sprays, Smilax, Ferns, Bouquet Green, etc. Complete stock of Baskets, Ribbons, Cycas Leaves, Cycas Leaf Wreaths, Moss Wreaths, Artificial Flowers and Palms.

Early Orders Solicited. Our Facilities for Handling Short Time Orders are Unsurpassed.
SEND FOR COMPLETE PRICE LISTS.

NEW CROP DAGGER FERNS Now ready, $1.50 per 1000. They are extra choice; a sample lot will convince you they are the best in the market.

BOUQUET GREEN, 5c per lb.

BRONZE and GREEN GALAX, A1 quality, 75c per 1000. Discount on large orders. Send for samples of our **LAUREL WREATHS** for Memorial Day. Just what you want. We send out the finest Laurel Festooning in the market; fresh made, 4c, 5c, and 6c per yard. Discount on large quantities. Send us your orders for Memorial Day early and they'll be promptly filled with the Best



Millington, Mass.
Tel. office, New Salem.

FERNS! FERNS!

Hardy Cut Ferns, Fancy, $1.10 per 1000; Dagger, $1.00 per 1000. **Sphagnum Moss,** 50c per bbl. Fine quality **Fern Bulbs** for planting. **Bouquet Green Roping;** also **Laurel Roping,** $4.50 per 100 yds. Northern Pine Trees for planting.

All orders by mail or dispatch promptly attended to. Cash with all orders.

THOMAS COLLINS, Hinsdale, Mass.

NEW CROP

Dagger Ferns

Now Ready. Quality A No. 1.
Price $1.00 per 1000.

R. A. LEE, MONROE, ALA.

GALAX Bronze or green, 75c per 1000, in 2 000 lots or over; single 1000, $1.00. Fern, Fancy, $2.50 per 1000; Fern, Dagger, $1.50 per 1000. Leucothoe Sprays, bronze and green, assorted sizes, $1 per 100. Green sheet moss, $2.50 per bbl. bag.

L. J. KRESHOVER.
110-112 W. 27th Street, NEW YORK CITY.
Telephone call, 597 Madison Square.
HARRY A. BUNYARD, Mgr.

The American Florist Company's

DIRECTORY

contains the names and addresses of the Florists, Nurserymen and Seedsmen of the United States and Canada. **PRICE, $2.00.**

FOR MEMORIAL DAY.

NEW CROP DAGGER FERNS
Are now ready, A No. 1 quality, $1.50 per 1000.

BOUQUET GREEN
Princess Pine, 6c per lb.

BRONZE AND GREEN GALAX,
5000 lots, 75c per 1000.

LEUCOTHOE SPRAYS
75 cents per 100.

LAUREL FESTOONING
4c, 5c and 6c per yard. LAUREL WREATHS, to order, any size.

BOSTON, May 3rd, 1902.

We would respectfully inform the trade that our new crop of Dagger Ferns is now ready and they are A No. 1 quality. We carry a full assortment of Florists' Hardy Supplies as follows: Bronze and Green Galax, Hardy Cut and Fancy Ferns, Bouquet Green, Laurel Festooning, Laurel Wreaths, Bundle Laurel, etc.

P. S.—Extra choice Dagger Ferns, $2.00 per 1000. Satisfaction guaranteed and quick delivery. Order them now and avoid disappointment and the rush. Long distance telephone, 2618 Main.

HENRY M. ROBINSON & CO.
32-34-36 COURT SQ., BOSTON, MASS

Bedding Geraniums

White Swan (double white), Mrs. Gaar (single white), Jacquerie (scarlet), Mrs. Francis Perkins (double pink), at $6.00 per 100, out of 4-inch—fine stocky plants. Jean Viaud, the best pink, 5-inch, very strong, $8.00 per 100. Dryden, the silver medal winner at Buffalo $6.00 per 100.

Write us for prices on **CHRYSANTHEMUMS.**

CASH PLEASE.

HENRY EICHHOLZ, Waynesboro, Pa.

Please mention the American Florist when writing.

Cabbage Plants

E. J. Wakefield Cabbage Plants, Transplanted, $5.00 per 1000.

Ponderosa Tomato Plants,
Grown in pots, well spread, $2 per 100; $20 per 1000.

W. L. SMITH, Aurora, Ill.

TAKE NOTICE.

An immense stock and full line of the choicest bedding plants now ready, and quote you the following low prices for cash, out of pots:

Ageratum, blue, $7.00 per 100.
Begonia Vernon, red, and **Erfordi,** pink, just beautiful, $8.00 per 100.
Begonias, best mixed, Santa Sonia, Pres. Carnot and others, $1.00 per dozen.
Calendula, pure yellow, $6.00 per 100.
Cobæa Scandens, 4-in. pots, staked up, 2 ft. high, $8.00 per 100.
Fuchsia, mixed varieties, 4-in. pots, $2.00 per 100; 5-in., $1.50 per doz.
Geraniums, have 10,000 of them, such as La Pilot, double red; Mme. Thibaut, double pink; La Favorite, double white, and other varieties in 4-in. pots, $7.00 per 100.
Heliotrope, 4-in., $7.00 per 100.
Honeysuckle, sweet scented, 5 to 6-in pots, 20c to 25c each.
Nasturtiums, Empress of India and other choice colors, $6.00 to $7.00 per 100.
Ivy Geraniums, mixed colors, 4-in. pots, $7 per 100.
Periwinkle, large plants, 4-in. pots, $1.00 per doz.
Scarlet Sage, best varieties, very fine, strong plants, $7.00 to $8.00 per 100.
Daisies, white and yellow, from 7-inch pots, full of flowers, 2½ ft. high, $2.00 per doz.
Dracæna Indivisa, 7-inch pots, about 3 ft. high, imported, 75c to $1.00 each.

I have the following small plants to offer, out of 2½ and 3-inch pots:

Alyssum, Little Gem. **Ivy,** Kenilworth.
Alternanthera, red & yel. **Lobelia,** trailing.
Cuphea. **Phlox** Drummondi.
Coleus, mixed colors. **Petunia,** single, dwarf variegated and California, giant.
Tradescantia. **Torenia Fournieri.**
Verbenas, have 10,000 of them, mixed colors.
Asters, 2 and 2½-in. pots, $2.00 per 100; choice colors, mixed or separate.

25 plants sold at 100 rate.

GODFREY ASCHMANN,
(Rising Sun.) 1012 Ontario St., PHILADELPHIA, PA.

TO MAKE ROOM I OFFER

150 Kentia Belmoreana,	2¼-in.	$5.00 per 100
400 " "	3-in.	10.00 per 100
200 " "	4-in., 2d size	15.00 per 100
100 Latania Borbonica,	3-in.	5.00 per 100
100 Pandanus Utilis,	2¼-in.	4.00 per 100
75 " "	3-in.	8.00 per 100
400 Selaginella Emmeliana,	2¼-in.	3.00 per 100

All healthy stock. Cash with order.

JOSEPH E. BONSALL, SALEM, OHIO.

EARLY TOMATO PLANTS.

Stocky, transplanted plants, grown from best seed, 2 to 3 inches high, $2.00 per 1000; 6 to 8, $5.00; 10 to 12, $7.50. Write for our price list of vegetable plants.

Frank Shearer & Son, GARDENERS, Binghamton, N. Y.

Mention the American Florist when writing to advertisers on this page.

Syracuse, N. Y.

HEAVY FROST DOES MUCH DAMAGE TO EARLY STOCK.—TEMPERATURE FOUR DEGREES BELOW FREEZING.—TRADE INJURED BY UNSEASONABLE WEATHER.

Central New York was visited Friday and Saturday nights by two of the heaviest frosts that have ever been known so late in the year. The result is that florists who had anything outdoors lost heavily and fruit growers and nurserymen are out thousands of dollars. The temperature in some places reached as low as 28° and pans left outdoors had ice in them a quarter of an inch thick. Much damage was done to flowers and shrubbery. Many had a good growth of pæonias but they wilted and turned black. Every one who had tobacco planted says it will be a total loss.

Henry Morris was fortunate in not having much stock outdoors, as were also P. R. Quinlan & Company and Henry Burt. May 20, they think, is early enough to put out tender stock and they were right this year. The cold weather has ruined the plant trade for the past week, and has made all business rather dull. There are no weddings to speak of during the month of May and but few social events.

A novelty which Henry Morris has displayed in his windows is Metrosideros floribunda. It is not a particularly salable plant, but makes a good display and attracts considerable attention when tastefully arranged.

There are some very fine hydrangeas in the market. The majority of the local florists offer them at this time of the year, preferring it to the Easter season for this plant. A. J. B.

Monongahela, Pa.

Beginning with May 1 the business of the late I. Shelby Crall will be continued by the sons, Charles S. and James S. Crall, and H. M Griffith, son-in-law, under the firm name of I. Shelby Crall, seedsman and florist. Practically there is no change, except that Mr. Griffith represents his wife's interest in the estate, the sons having been connected with the business for the past twenty and fifteen years respectively. C.

Giant Cactus,

4 to 5 feet high, 10 to 14 inches in diameter. Grand specimens of these sensational decorative plants.

Write for prices....

HEADQUARTERS FOR

HORTICULTURAL SUPPLIES

Of Every Description.

When you can't get what you want anywhere else, send here, we will send it to you.

"If it's used in Horticulture, we have it."

DUNNE & CO., 54 W. 30th St., New York.

Telephone Call, 1700 Madison Square.

Please mention the American Florist when writing.

BEDDING Plants.

	Per 100	Per 1000
Roses, Brides and Maids, 2-in	$2.00	$18.00
Dracæna Indivisa, 5-in	10.00	
Heliotrope, 2-in	2.00	18.00
Lobelia, C. P. C. and White Gem, 2-in.	1.50	
Salvia Bonfire, 2-in	2.00	18.00
Smilax, from flats, 25c; by mail	.30	
Asters, best strains, strong transplanted	.50	
Asparagus Plumosus Nanus, 2-in	3.00	
Vincas, 2-in	1.50	
Centaurea Gymnocarpa and C. Candidissima, 2-in	2.00	

CASH OR C. O. D.

McALLISTER & CO., Batavia, Ill.

Plant Now LILY of the VALLEY

FOR JUNE WEDDINGS. Select Valley Pips from Cold Storage, properly packed and thoroughly frozen, $13.00 per case of 1000. These were put up specially for the benefit of my out-of-town customers and can be shipped at once. Original cases of 2500, $31.25; $1.50 per 100.

H. N. BRUNS, 1409-1911 W. Madison St., CHICAGO.

25,000 Verbenas In Bud and Bloom

2 1-2-in. pots, $2.50 per 100; $20 per 1000; 3-in., $3.50 per 100; 1000, $30.

J. L. DILLON, BLOOMSBURG, PA.

Seasonable Stock.

	Per 100
GERANIUMS—New and scarce vars.	$5.00
Standard sorts	3.00
BEGONIA REX—Best varieties, in 2½-inch and 3-inch pots	5.00
PELARGONIUMS — Latest novelties and standard kinds $8.00 to	12.00
FEVERFEW (Matricaria)	2.50
PHALARIS—Arundinacea Var., for bordering canna beds	4 00
RUDBECKIA—Golden Glow—2-in. pots	2.50
HELIANTHUS—Multiflorus Maximus—Single, 2-inch pots	2.50
Rigidus—2-inch pots	3.00
NEPHROLEPIS Cordifolia—3-in. pots	4.00
ANEMONE Japonica — Queen Charlotte—2-inch pots	4.00

NATHAN SMITH & SON,

ADRIAN, MICH.

Shasta Daisy

THE LATEST FLORAL WONDER.

Plants 25c each; $2.50 per doz.; $15.00 per 100; $100.00 per 1000. 25 at 100 rate. 500 at 1,000 rate.

CALIFORNIA CARNATION CO.

LOOMIS, CAL.

BEDDING PLANTS.

	Per 100
Geraniums, 4-inch	$5.00
Salvias, 2½-inch, $2; 3-inch	3.00
Begonias, Flowering, 3-inch	3.00
Vernon, " 2¼-inch	2.00
Sweet Alyssum, 2½-inch	2.00
Saxifraga, 3-inch	3.00
Cannas, Charlotte, Henderson, Bouvier, Flamingo and others, 4-inch $5; 3-inch	3.00
Petunia, double and single, 4-inch	6.00
Verbenas, 3-inch	3.00
Ageratum, blue, 3-inch	3.00
Spotted Calla, in bloom, 5-inch	10.00
Bellis Perennis, fine plants, $5 per 1000	.75

J. S. BLOOM, Riegelsville, Pa.

THE COMING FERN IS MY NEW NEPHROLEPIS

"ANNA FOSTER"

DELIVERY IN SEPTEMBER.

Orders booked now at $25 per 100 for small plants. Larger plants, prices on application.

L. H. FOSTER, 45 King St., Dorchester, Mass.

Hypericum Moserianum

A good, hardy under shrub, suitable for landscape work or for conservatory decoration. Almost evergreen when protected; bearing very large, yellow flowers 2 inches in diameter. Nice, strong, well-rooted plants, from 3-in. pots, $3 per 100; $25 per 1000.

LAUREL HILL NURSERIES,

STOCKBRIDGE, MASS.

Importers and Growers of Choice Trees, Shrubs and Hardy Perennials.

Please mention the American Florist when writing.

FUMIGATION METHODS

By PROF. W. G. JOHNSON

Formerly State Entomologist of Maryland

A Practical Treatise and timely work on cheap and effective means of destroying insect pests and other vermin in various places. This work is the outcome of practical tests made by the author, together with the experiences of others, and is one of the most important books published this season and is much needed at this time. It will be of particular interest to

FRUIT GROWERS AND NURSERYMEN owing to the widespread prevalence of the notorious San Jose scale. Hydrocyanic acid gas is the only practical remedy for the destruction of this pest and is being used more extensively than ever before by nurserymen and fruit growers. The perfection of the apparatus for fumigating young orchard trees is outlined in this work. The methods can be easily applied in orchards and nurseries for many dangerous pests at very small cost. The writer is considered the best authority on this subject in this country and has left nothing undone to make this the most complete work of the kind ever published.

GARDENERS AND FLORISTS have found that vegetables and flowers cannot be grown under glass without frequent fumigation for the destruction of insect pests. Hydrocyanic acid gas has solved this problem. The methods of procedure are fully described and every detail is given for generating and applying the gas.

MILLERS AND GRAIN DEALERS have been looking forward to the publication of this work, as hydrocyanic acid gas has been found one of the most important materials for clearing mills and warehouses of insects. The subject of carbon bisulphide for fumigating mills and elevators containing grain in storage is also thoroughly considered. To this trade the work is indispensable and transportation companies have found it of great value for the fumigation of cars, ships and other inclosures infested with vermin.

FARMERS OF THE COUNTRY have here fully described a simple, easy remedy for gophers, prairie dogs, squirrels and other animals in the ground, and rats and mice in any inclosure.

COLLEGE AND STATION WORKERS will find it an up-to-date reference work on this subject. It is complete in every respect and is the only work of the kind ever published. It is written in a popular non-technical style, profusely illustrated, handsomely bound, covering 250 pages, price, postpaid, $1.00.

AMERICAN FLORIST CO.

324 Dearborn St. CHICAGO, ILL.

GERANIUMS Several thousand S. A. Nutt, fine plants from 4-inch pots, in bud and bloom, $6.00 per 100. Cash or satisfactory reference.

J. J. ARNOLD, Homer, N. Y.

ROSE PLANTS

Well Established Plants from 2 1-2-inch pots.

	Per 100	Per 1000
BRIDE	$3.00	$25.00
BRIDESMAID	3.00	25.00
PERLE	3.00	25.00
GOLDEN GATE	3.00	25 00
METEOR	3.00	25.00

All plants sold under express condition that if not satisfactory when received they are to be returned immediately, when money will be refunded.

PETER REINBERG,
51 Wabash Avenue, CHICAGO.

ROOTED
Carnation Cuttings

	Per 100	Per 1000
G. H. CRANE	$1.25	$10.00
FLORA HILL	1.25	10.00
MARQUIS	1.25	10.00
PROSPERITY	4.00	30.00
LAWSON	3.00	25.00
IRENE	3.00	25.00
JOOST	1.00	6.00

Rose Plants.

From 2½-in. pots.	Per 100	Per 1000
BRIDE	3.00	25.00
BRIDESMAID	3.00	25 00
METEOR	3 00	25 00
GOLDEN GATE	3.00	25.00
PERLE	3.00	25.00
KAISERIN, 3-in. pots	4.00	35.00
LIBERTY, from 2½-in. pots	7.00	60.00

GEO. REINBERG,
51 Wabash Ave., Chicago.

Look out for Our
NOVELTIES
For Next Season.

HARLOWARDEN, crimson.
MARSHALL FIELD, variegated
HER MAJESTY, white.

Chicago Carnation Co., Joliet, Ill.

---

2 1-4 inch Beauties

We have a fine lot of 2¼-in. Beauties at $5 a 100; $45 a 1000; also the following Teas:

BRIDE	$2.50 per 100;	$22.50 per 1000
MAID	2.50 per 100;	22.50 per 1000
METEOR	2.50 per 100;	22.50 per 1000

ORDER AT ONCE.

GRAND RAPIDS VIOLET CO.
GRAND RAPIDS, MICHIGAN.
Please mention the American Florist when writing.

AMERICAN BEAUTY 3-inch $7 per 100.
ALLEN & OCKERLUND,
114 Winona Ave., Sta. Ravenswood, Chicago.

The Sensational New Rose for 1902.
MRS. OLIVER AMES.

For description, prices, etc., see Trade List.

Henry A. Trask, Editor of "North American," says in a letter dated Feb. 19th, 1902. The box of roses arrived safely last Saturday afternoon. Please accept my thanks. To my mind they are the realization of the ideal. Yours very truly, H. A. TRASK, Editor.

$100.00 IS OFFERED IN PRIZES for Cut Flowers of this Rose at Madison Square Show next fall.

CHRYSANTHEMUMS Some new European varieties of sterling merit, the stock of which we control for the American Market, and also all the cream of last year's new European varieties, and all the New American varieties of this season's introduction; for those contemplating growing for the shows next fall the above will prove winners.

JOHN N. MAY, Summit, N. J.

Rose Plants for Sale

GOOD CLEAN STOCK, WELL ESTABLISHED.

Brides, Bridesmaids, Meteors and Golden Gates,

2-in. rose pots, $30 per 1000; 3-in. rose pots, $45 per 1000; 4-in. rose pots, $60 per 1000.

CHRYSANTHEMUM ROOTED CUTTINGS.... **TIMOTHY EATON, $3 per 100.**

Greenhouses, HINSDALE, ILL. **BASSETT & WASHBURN,** Store, 76 Wabash Ave., CHICAGO.

California Field-Grown
ROSE BUSHES
Hardy, Tender, Own Root, Root Grafted.

We are booking contracts now for delivery winter and spring of 1904 in any quantity and variety wanted. Send us your list in variety, with quantity each wanted and we will make prices delivered. **You can save money** by contracting with us in advance. Further, you can make ample provisions for selling them. It will pay you to talk this matter over with us by letter, and the quicker you get about it the better.

California Rose Co., (Inc.) **Los Angeles, Cal.**

ROSE PLANTS

2½-inch Rose plants, fully as good as any we have ever sent out:

METEOR, $2.50 per 100; $20.00 per 1000.
MAIDS, 3.00 per 100; 25.00 per 1000.

J. A. BUDLONG,
37-39 Randolph St. CHICAGO.

All The Best **CARNATIONS**

FORTY VARIETIES, nearly all from soil. Send for prices on what you need

GEO. HANCOCK & SON,
GRAND HAVEN, MICH

$7.50 Per Thousand

CARNATIONS from soil, clean healthy stock. 2000 McGowan, 8000 Wm. Scott, 5000 Thos. Cartledge.

1000 **Mme. Bruant,** best red, in bloom and bud, 4-inch, $6.00 per 100

1000 **Canna** Florence Vaughan, 4-in., $6.00.

1000 **Austria,** 4-inch, $6.00.

John F. Horn & Bro., Allentown, Pa.

Carnations, Geraniums Cannas, Etc. Prices quoted upon application.

The Cottage Gardens, Queens, L. I.

Pittsburg.

TRADE ON THE DECLINE AND CUT FLOWERS ACCUMULATING. — QUALITIES DETERIORATING.—CLUB PLANS JUNE EXHIBITION. —NOTES OF VARIOUS DOINGS.

Business continues on its downward course but this is the first poor week in several months. Stock is piling up and prices are going down. Low prices are no inducement to buy. Bridesmaids and Brides look as though they were sorry they came and Beauties, Jacqs, Perles and Bon Silenes are the standard of excellence. Yellow daisies are exceptionally fine. Carnations are still up to the standard and a little cheaper in price. The demand for palms has begun and the stores seem well stocked with them. They are selling rapidly and bringing good prices.

The city comptroller has refused to sign the warrant for salary of Elmer E. Siebert, recently appointed superintendent of Highland Park. Lack of knowledge and ability to perform the duties required are the comptroller's reasons. Mr. Siebert has never before held a position in this profession.

The Pittsburg and Allegheny Florists' Club is perfecting details for a flower show in the latter part of June. The show last year was very successful. This year the exhibition will require a much larger hall and much better lighting arrangements.

Randolph & McClements exhibited 3,000 American Beauties in their windows and store last Friday. They were used Saturday at a dinner given to C. M. Schwab, president of the United States Steel Corporation.

David Geddes has succeeded Mrs. E. A. Williams at her South Side store. Mrs. Williams will devote her time to her handsome Penn avenue store.

On Friday night a heavy frost occurred in this section. The temperature fell to 10° but no loss is reported among the growers.

Thomas M. Ulam and Jennie P. Myers were united in marriage on Wednesday, April 30. E. L. M.

NEW ULAM, MINN.—C. H. Boock has a large spring stock and is preparing for a big trade. He has found business good all season.

Cannas, Roses, Palms, Etc.

CANNAS. Strong, 3-in. pot plants, unless noted at $4 00 per 100.

Florence Vaughan, Italia, Queen Charlotte, Pres. Cleveland, J. D. Cabos, Sophia Buchner, Egandale, Burbank, Duke of Marlborough, Alsace, Robert Christie.
Martha Washington, at $6.00 per 100.

ROSES. A general assortment of Everblooming varieties, strong, 2-inch and 2½-inch pots, $2.50 per 100; $20 00 per 1000.

GERANIUMS. S. A. Nutt, Mme. Barney, Richelieu, La Favorite, John Doyle, Mme. Charles Molin and Beaute Poitevine, $30.00 per 1000.

	Per 100
Marquis de Castellane	$5.00

Set of 4 New Bruants for 60c.
Set of 8 New Doubles for $1.50.
In good assortment, our choice of varieties, $27.50 per 1000.

	Per 100
PRIMULA FORBESI	$3.00
HELIOTROPES	2.00
SELAGINELLA Emmeliana	2.00
FUCHSIAS, in good assortment of varieties, 2½-in. pots	2.50
BEGONIAS—Vernon and Vulcan	2.50
LANTANAS in variety	2 50

PALMS.

Areca Lutescens, 2½-in. pots, $30.00 per 1000	4.00
Areca Lutescens, 3-in. pots	8.00
Areca Lutescens, 4-in. pots., 3 plants in a pot	20.00
Kentia Belmoreana, 2½-in. pots	7 00
Kentia Belmoreana, 3-in. pots	15 00
Latania Borbonica, 2½-in. pots	3.00
Latania Borbonica, 3-in. pot, $40 per 1000	5 00
Pandanus Utilis, 2½-in. pots	5.00
Pandanus Utilis, 4-in. pots	15.00
Pandanus Veitchii, 4-in. pots, $6.00 per doz.	

The Storrs & Harrison Co.

PAINESVILLE, OHIO.

Geraniums, Petunias, Asters.

GERANIUMS We are still offering the following Superb varieties, extra strong rooted cuttings, which will make salable 2½-in. stock in short notice, labeled and true to name, $1 50 per 100; $14.00 per 1000: S. A. Nutt (best crimson bedder), E. G. Hill F. Perkins, Beaute Poitevine, Mme. Bruant. Dutchess of Orleans, Thos. Meehan, Alphonse Riccard, L. P. Morton, Athlete, J. J. Harrison, E. Kelway, Mme. Jaulin.

DOUBLE FRINGED PETUNIAS Ten novelties, mostly light colors, labeled, fine plants in bud and bloom, from 2½-in. pots, $2.00 per 100; $18.00 per 1000. Same varieties from 2¼-in. pots, $1.75 per 100; $15.00 per 1000. Rooted cuttings, $1 per 100; $8 per 1000.

ASTERS Giant Comet colors white, pink, blue or crimson. Plants from 2½-in. pots, $1.25 per 100; $12.00 per 1000. Cash with order.

THE W. T. BUCKLEY PLANT CO., SPRINGFIELD, ILL.

GERANIUMS.

	Per 100
10 Standard Varieties, 2½-inch pots	$5.00
10 Standard Varieties, 3-inch pots	4.00
Ageratum, 2 varieties, blue	2.00
Asparagus Sprengeri	2.00
Verbenas	2.00
Seedling Petunias	3.00

COLEUS.

	Per 100
12 varieties, 2-inch pots	$2.00
Cannas, 8 varieties, 4 inch pots	10.00
Centaurea Gymn., 2-inch pots	2.00
Vinca Variegata, 2¼-inch pots	2.50
Asparagus Plumosus, June 1st	3.00

CASH OR C. O. D.

JOS. H. CUNNINGHAM, DELAWARE, O.

Wittboldii Ferns....

A rare chance to get stock of this fine fern cheap. 2½-in. $5, 3-in. $8, 5-in. $20 per 100. Bench plants, good for 2½-in. $3, 3-in. $5, 4-in. $6, 6-in. $25 a 100.

	Per 100
ALTERNANTHERA, pot plants, red, yellow, pink	$2 00
RUSSELIA Multiflora and Elegantissima, 2½-in.	3 00
BOSTON FERNS, 3-in.	$8 00
VINCA Major, strong	3 00
GERANIUMS, 6 vars.	3 00
COLEUS, 10 vars.	2 00

CASH PLEASE.

A. J. BALDWIN, Newark, Ohio.

A NEW BOOK

"How to Make Money GROWING VIOLETS"

by George Saltford, 30 years' practical experience. PRICE, 25 and 50 cents, postpaid—Money order preferred. VIOLET CULTURE CO.,

61 Quincy Street, BROOKLYN, N. Y.

Violet Plants

WELL ESTABLISHED

		Per 100	1000
IMPERIAL	2¼-inch	$2.75	$25.00
MARIE LOUISE	"	2.75	25 00
FARQUHAR	"	2.75	25.00
SWANLEY WHITE	"	2.75	25 00
CAMPBELL	"	2.50	22.50

GRAND RAPIDS VIOLET CO.

GRAND RAPIDS, MICHIGAN.

..Violet Plants..

Ready for immediate shipment.

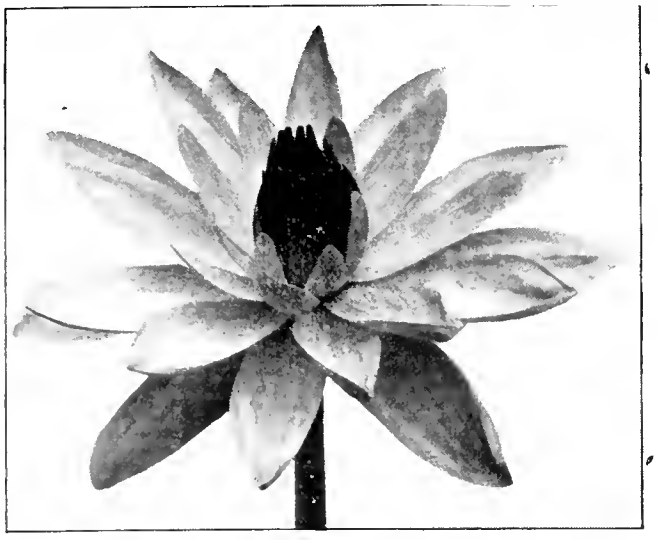
Imperial	$2.75 per 100	$25.00 per 1000
Swanley White	2.75 per 100	25 00 per 1000
M. Louise	2.75 per 100	25.00 per 1000
Lady Campbell	2.50 per 100	22.50 per 1000

Crabb & Hunter, Grand Rapids, Mich.

BEDDING PLANTS.

Strong healthy stock, right prices: Ageratum, Alternanthera, Alyssum, Asparagus, Aster, Cannas, Carnations, Centaurea, Coleus, Daisies, Ferns, Feverfew, 12,000 Geraniums, Heliotrope, Ivy, Lobelia, Nasturtium, 30,000 Pansies, Pelargonium, Petunia, Salvia, Stevia, Stocks, Verbena, Vinca and others. Come and inspect or write for prices on what you want. LUDWIG MOSBAEK, 8500 Anthony Ave. near South Chicago Ave., Chicago.

GERANIUMS All the best varieties, extra fine plants. S. A. Nutt, Marvel, Grant, F. Perkins, Mme. Jaulin, La Favorite, Hill, etc., 4-inch in bud or bloom, $5.00 per 100. PANSIES, extra fine plants from cold frame, now in bud, $1.00 per 100; $8.00 per 1000. DOUBLE DAISIES, large plants, 75c per 100; $5.00 per 1000. ASPARAGUS SPRENGERI, seedlings from flats ready for potting, $1.00 per 100. Hill Top Greenhouses, 15-16 Gray Ave., Utica, N. Y.



Now is the Time to Plant

Hardy Water Lilies

in order to secure best results this season. We have the largest and most complete collection of Hardy Nymphæas in the world. It embraces American and French Hybrids, native and foreign species. For prices see our Spring edition of Dreer's Wholesale Price List, which is sent to the Trade only. We are pleased to answer all correspondence regarding making of ponds, best varieties, etc.

HENRY A. DREER, 714 CHESTNUT STREET, **Philadelphia, Pa.**

'Mums Standard Varieties

WHITE	YELLOW	PINK
Fitzwygram	Maj Bonnaffon	Glory of Pacific
White Ivory	Rieman	Pink Ivory
Mayflower	Yellow Mayflower	Viviand-Morel

Mrs. Jerome Jones—rooted cuttings, $1.50 per 100. From 2½-inch pots, $2.50 per 100.

Monrovia, earliest yellow, White Bonnaffon, Lavender Queen, Col. Appleton, yellow, Timothy Eaton, white, E. D. Smith, yellow — Rooted Cuttings, $2.50 per 100. From 2½-inch pots, $4 per 100. Rooted Cuttings $3 per 100. From 2½-in. pots, $4.50

Mrs. W. B. Chamberlain, pink

AMERICAN BEAUTY ROSES from 2½ and 3-inch pots, for $40 and $60 per 1000.

George Harrer, Morton Grove, Ill.

IVORY AND BONNAFFON

CHRYSANTHEMUMS.

Plants from 2-inch pots, $2.00 per 100; $18.00 per 1000. Ready for immediate delivery.

WM. MURPHY, Wholesale Florist,

Station F, CINCINNATI, OHIO.

Chrysanthemums Rooted Cuttings of

Merry Monarch, white and yellow; Willowbrook, J. H. Troy, J. E. Lager, Robinson, Pacific, Polly Rose, Shrimpton, Bonnaffon, M. Henderson, Ivory, pink and white; Murdock, F. B. Hayes, Pres. Smith, J. Jones, $1.25 per 100; $10 per 1000.

Walter Molatsch, R. Halliday, Appleton, $2.00 per 100. Cash with order.

G. F. NEIPP, Aqueduct, Woodhaven P. O., N. Y.

Please mention the American Florist when writing.

CHRYSANTHEMUMS.

E. G. Hill, Robinson, Maud Dean, Yanoma, 15 other varieties out of 2½-inch pots, $2.00 per 100.

Col. Appleton, Modesto, Timothy Eaton, Goldmine, Nagoya, out of 2½-in. pots, $3.00 per 100.

Will exchange for Cannas or Palms.

A. D. Montgomery 121 East Broad St. **Hazelton, Pa.**

Ready July 1

ASPARAGUS PLUMOSUS, 4-inch at $7.50 per 100; 3-inch at $5.00 per 100; $40.00 per 1000.

SMILAX, 2-inch at $1.50 per 100; $12.50 per 1000.

BONE MEAL, best for Florists' use at $3.50 per 200 lb. bag.

ALBERT M HERR, LANCASTER, PA.

THE AMERICAN FLORIST'S

COLOR CHART

PRICE 15 CENTS POSTPAID.

AMERICAN FLORIST CO., Dearborn St., Chicago, Ill.

Imported Bulbs for Florists' Forcing

Send Us Your List for Pricing.

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 Spiræa** are unexcelled.

Bulbs secured from us will be subject to careful inspection and approval on arrival, and if in any way unsatisfactory, will be made good at once.

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 shipments and large importations supply half our profits.

Write for Prices before closing any forcing stock orders.

VAUGHAN'S SEED STORE,

14 Barclay St., New York.
84-86 Randolph St., Chicago.

NEW CARNATIONS.

Cressbrook and Fair Maid, strong, from soil, $1 50 per doz.; $10.00 per 100; $75.00 per 1000.

CHRYSANTHEMUMS

Fine strong plants from 2½-inch pots, ready now. Our selection, all good standard sorts, $20.00 per 1000. We have many other varieties than here listed. Send for complete list. Price per 100:

T. Eaton	$4.00	R. Halliday	$4.00
Nellie Pockett	8.00	Major Bonnaffon	3.00
Lady Roberts	8.00	Philadelphia	5.00
Mrs. E. D. Smith	6.00	Pennsylvania	5.00
Golden Beauty	8.00	Modesto	3.00
Mrs. Chamberlain	8.00	Nagoya	3 00
Mme. F. Bergmann	3.00	M. de Montmort	3.00
Willowbrook	3.00	Glory of the Pacific	3.00
Merry Monarch	3 00	Lady Harriett	6.00
Polly Rose	3.00	Maud Dean	4.00
G. S Kalb	3.00	Xeno	3.00
Ivory	3.00	Geo. W. Childs	4.00
Mrs. J Jones	3.00	Intensity	4.00
H. A. Parr	3.00		

H. WEBER & SONS, Oakland, Md.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM

Finest strain in the world, in four true colors, extra strong plants, transplanted from flats 5 to 7 leaves, $3.00 per 100; $25.00 per 1000. From 2½-in. pots, $1.00 per 100; $35.00 per 1000. Extra select, $5.00 per 100; $40.00 per 1000. Satisfaction guaranteed.

Paul Mader, East Stroudsburg, Pa.

COLEUS.

Good stock, from 2-inch pots, in 10 sorts, per 100, $2.00. (No Golden Bedder or Verschaffeltii.)

CANNAS from pots. Burbank, Austria, L. Vaughan, Mlle. Berat, F. Bismarck, C. de Bouchard, Allemania, Henderson, Egandale, F. Vaughan, per 100, $6.00.

2-inch pots.	Per 100
Sweet Alyssum	$2.00
Sweet Alyssum, variegated	3.00
Swainsonia Alba	3.00
Major Bonnaffon 'Mum	2.00
Dusty Miller (Centaurea Gym.)	2.00
Smilax	2.00
Moon Vines, white	3.00
Lobelia, trailing	2.00
Asparagus Sprengeri	2.00
Carex Jap. Var	3.00
Umbrella Plants	2.00
Lophospermum, climber	2.50
Vinca Vines, 2 varieties	2.50
Alba Picta Begonias	2.50
Alba Picta Begonias, 3-inch	5.00
Grevillea Robusta, 3-inch	5.00
Clematis Paniculata, good, strong stock, ready for 3 and 4-inch pots or planting out,	3.00

☞ Cash or satisfactory reference with order.

GEO. L. MILLER, Newark, O.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

Directory for 1902.

Price $2.00 Postpaid.

THE AMERICAN FLORIST COMpany's Trade Directory for 1902, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 418 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Private Gardeners, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information. Published by the

American Florist Co.

324 Dearborn St., Chicago, Ill., U. S. A.

Contains 418 Pages.

Now Ready

DON'T COME TO THE AUCTION

Unless you are willing to take your chances in a big crowd. But the crowd is there because it pays them, for the stock is excellent and the variety in all lines of plants is innumerable. Come any Tuesday or Friday, and stock up at your own price or write to us and we will place your bids.

WM. ELLIOTT & SONS
Horticultural Auctioneers,
54 Dey Street, NEW YORK.

SPECIAL TRADE LIST FOR THE MONTH OF MAY.....

	Size of pots.	Per doz.	100
Asparagus Sprengeri	2	.25	$ 2.00
Ageratum, dark and light blue	3	.50	4.00
Abutilon Savitzii	3	1.00	
Bouvardias, single and double, white, pink and scarlet	2	.40	2.50
Bouvardia Humboldtii, jasmine flowering, sweet scented	2	.40	3.00
Clematis, large flowering varieties, strong plants		4.00	
Clematis Paniculata, strong plants	4	1.50	10.00
Clematis Paniculata, strong plants	3	.75	5.00
Cobæa Scandens	3	.50	4.00
Geraniums, best bedding varieties	3	.50	4.00
Geraniums, Mrs. Parker	2½	.75	5.00
Lobelias, Emperor William, Pumila splendens pure white	2½	.40	3.00
Lantana, Lemoine best dwarf var.	2½	.40	3.00
Petunia, double white	2½	.40	3.00
Umbrella Plants	3	.75	5.00
Salvia Splendens	3	.50	4.00
Verbenas, fine assortment	2½		3.00
Violets, the California, La France, Princess of Wales, Schoenbrun		.40	3.00
Aster Plants, Queen of the Market, Semple's Branching, separate colors			1.00
Chrysanthemums, best stand. var.	2½		3.00
Chrysanthemums, plants from soil			1.50
Chrysanthemums, rooted cuttings, from sand bed			1.00

SEND FOR LIST OF VARIETIES.

C. EISELE, 11th and Jefferson Sts., Philadelphia, Pa.

Boston Ferns.

Fine plants, $25 per 100.

DRACÆNA INDIVISA, 6-inch, $6.00; 7-inch, $7.00 per doz.; 2 ft. up, extra fine.

KENTIAS, 6-in., $75 and $100 per 100.

20,000 GERANIUMS, 3½ and 4-in., in bud and bloom, $7 per 100, upwards. Nutt, Jaulin, Poitevine, Mt. Snow, La Favorite, etc., etc., and new ones—Jean Viaud, Jacquerie, Thos. Meehan, etc., etc., straight kinds.

VINCA VAR., long strings, 5 and 6-inch, $2.00 to $3 00 per dozen.

Alternanthera, 3 kinds, $15 per 1000.

L. H. Foster, 45 King St., Dorchester, Mass.

Plant and Rooted Cutting List

NOW READY FOR SHIPMENT.

ROOTED CUTTINGS.

	Per 100
Coleus, Red Verschaffeltii	$ .75
Geraniums, Mme. Pollock	1.50
" Happy Thought	1.50
English Ivy	1.00
Heliotrope	.60
Chrysanthemums	1.25

POT PLANTS.

	Per 100
Pteris Tremula, 2¼-inch	$1.50
Pteris Tremula, 2½ inch	2.25
Pteris Tremula, 3-inch	4.00
Roses, Ulrich Brunner, 2½-inch	3 00
Hydrangea Otaksa, for growing on, 4-inch	5.00
Hydrangea Otaksa, " " 5-inch	7.00
Hydrangea Otaksa, " " 6-inch	10.00
Hydrangea Otaksa, " " 7-inch	15.00

CHRYSANTHEMUMS W. H. Lincoln, Jerome Jones, Golden Wedding, Philadelphia, Ivory, Thornden, Pres. Smith, Minnie Wanamaker, Louis Boehmer, Maud Dean, Vivland-Morel, Major Bonnaffon, G. W. Childs, Mme. Bergmann, Glory of Pacific, J. G. Whilldin. Rooted cuttings, grand stuff, $1.25 per 100; $10.00 per 1000.

☞ All the above sold on the positive guarantee of their being first-class, if not, your money at once refunded.

Having to rebuild our greenhouses this season the following stock is in our way at the start. If you want any speak quick: Asparagus Plumosus, 3-year, from bed, fine clumps, $18.00 per 100. Kentias, 2½-inch, very fine, $5 00 per 100. Roses—Ulrich Brunner and Paul Neyron, 2-year-old, from boxes, own roots, $8.00 per 100. Kentia Seedlings, from flats, 1-year, $3.50 per 100. Geranium Mrs. Pollock and Happy Thought, 1 and 2-year stock, plants from bench, $5.00 per 100. Callas, 4-year-old, $5.00 100. Steel Wire Stakes, galvanized, No. 8 wire, 3 feet, used one season, $5.50 per 1000.

JOHN IRVINE & SONS, Bay City, Mich.

With Leaves On...

JAPANESE FERN BALLS.

We have an immense stock of Fern Balls, well furnished with leaves, at $5.00 per dozen. Culls from $3.00 per dozen, up.

The Geo. Wittbold Co., Chicago, Ill.

A FEW GOOD THINGS YOU WANT.

KENTIA BELMOREANA and FORSTERIANA, special price to reduce stock, 2½-in., 8c; 3-in., 15c; 4-in. 25c; 5-in., 50c; 6-in., $1.00. 3, 4, 5-in. **ARECA LUTESCENS**, 2 and 3 plants to a pot, same price. These are excellent lot of clean, cool grown plants.

BOSTON FERNS, 4c, 8c, 15c, 30c and 50c each.

DRACAENA INDIVISA, 3, 4, 5-in., 6c, 10c, 25c each.

GERANIUMS, 2-in., Bonnet, double and single Grant, La Favorite, S. A. Nutt, Atkinson, Salleroi, Poitevine, M. Barny, Kleber, John Doyle, Jaulin, Riccard, Mrs. E. G. Hill, Perkins. Per 100—2-in., $3.00; 3-in., $5.00.

ASPARAGUS SPRENGERI, 2-inch, $3.00 per 100; Plumosus, 3-inch, $8.00 per 100.

ENGLISH IVY, 2-in., $3.00; 3-in., $6 00 per 100.

Verbena, Petunia, Smilax, Achyranthes, Lobelia, Coleus, Alternanthera, Tomato Plants, Campbell Violets, Aster, Ageratum, Heliotrope, Vinca Var., Giant Alyssum, Scarlet Sage Clara Bedman, 2 in., $2.00 per 100; 3-in., $4.00 to $5.00 per 100.

Send for wholesale lists. Cash or C. O. D.

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

ROBT. CRAIG & SON,
Roses, Palms
and Novelties in Decorative Plants,
Market and 49th Sts., Philadelphia, Pa.

BEGONIA GLOIRE DE LORRAINE,
Begonia Light Pink Lorraine,
For June and Later Delivery,
$15.00 per 100; $140.00 per 1000.
Edwin Lonsdale, Wyndmoor, near Chestnut Hill, Pa.

Please mention the American Florist when writing.

125,000 ASTER PLANTS

Best florist's cut flower varieties; all transplanted. Strong plants, bushy roots; sure to please you.

ASTERS, Hohenzollern, pure white, delicate rose and red (Roemer's), last year novelty, grandest aster to date. Mammoth size, 7 inches across, double to center, resembling a large Japanese chrysanthemum, unsurpassed for cutting or bedding, plants branching, with strong stems 18 to 20 inches long, 70c per 100; $6.00 per 1000.

Queen of the Market, white, red, pink and mixed.

Florists' Upright Branching, outer petals recurved, center petals incurved, superb cut flower, pure white, daybreak pink, fiery scarlet and lavender.

Late Branching or Semple's, white, rose pink, lavender, red and mixed.

All the above are the best money makers for florists, strong, healthy plants, assorted to suit, 50c per 100; $4.00 per 1000. Express prepaid for cash with order.

DES MOINES PLANT CO.,
38th St., Des Moines, Iowa.

IMPATIENS THE QUEEN

This variety we now offer for the first time, it being far ahead of any cheap blooming house plant that we know of. A grand plant for out-of-town florists.

Flowers 1¼ to 1½ inches in diameter, color a delicate satiny pink with bright carmine eye, center of petals faintly tinged with white, wonderfully profuse and of the easiest culture. Price, 2-inch pot plants, $1.50 per doz.; $10.00 per 100.

CENTRAL MICHIGAN NURSERY,
Kalamazoo, Mich.

Please mention the American Florist when writing.

Cincinnati.

PETERSON HAS LARGE AREA OF OUTDOOR STOCK FOR CUT FLOWERS.—FINE YOUNG STOCK UNDER WAY.—MEETING OF THE SOCIETY.—DIRECTORS NOMINATED.

J. A. Peterson has been hustling the past week to get his asters planted. He has about 15,000 as nice plants to set out as one will see in a long while. A look around the place convinces the visitor that Mr. Peterson has not been asleep, for a field of 50,000 lily of the valley, an acre of irises, another of pæonias and tree pæonias, a large tract of dahlias, with an abundance of hardy roses and a big lot of Crimson Ramblers, induces one to believe that Mr. Peterson is certain of a large cut of outdoor stock. A house of Pandanus Veitchii, with fine color, are just ready for a shift. One of Mr. Peterson's hobbies is Begonia Gloire de Lorraine and he has thousands of small plants in thumb pots. His carnations for this time of the year are throwing some fine blooms, especially Mrs. Bradt and Marquis. A couple of the men were transplanting the cyclamens into 4-inch pots and they are the best around this city.

The meeting of the Florists' Society Saturday night was the best attended for a year. The following names were placed in nomination for directors for the ensuing year: Geo. Bartlett, Wm. Murphy, R. Witterstaetter, Ben. George, Frank Ball, E. G Gillett, George Murphy, W. K. Partridge, J. W. Rodgers and Wm. Schuman, five to be elected. The polls will be open from 8 until 9:30 p. m., Saturday, June 14. Already applications are being received for the summer outdoor meetings. Chas. Pommert, of Amelia, O., gets the July meeting at his place, and Will Murphy the August meeting, at least that is what the society voted for Saturday night. D.

PORTCHESTER, N. Y.—The Westchester Gardeners' Association meets here the fourth Saturday in each month. The officers are Fred. Fremd, president; John Shore, vice-president; Wm. Smith, treasurer, and Geo. Draycott, Rye, secretary. The membership is now seventy-eight and a show is proposed for next fall. At the April meeting President Fremd gave an account of his recent visit to Florida; the May meeting will be utilized for a discussion on outdoor shrubs by Vice-President Shore, J. F. Williams and others, and for the June meeting Japanese stock will be the subject.

Fresh Tobacco Stems.

Bales of 300 pounds, $1.50.

CASH WITH ORDER

W. C. BECKERT, Allegheny, Pa.

The Art ...of Floral Arrangement

The only special newspaper in the world for floral arrangement.

200 ILLUSTRATIONS ANNUALLY.

Specimen number free.
Subscription, $2.40 yearly.

BINDEKUNST-VERLAG
J. OLBERTZ, ERFURT, GERMANY.

INFORMATION WANTED!

Of any and all Floral Establishments in the country which are not well stocked up with the following goods:

BRONZED BEECH and LAUREL FOLIAGE, new and effective, but also inexpensive.

CYCAS LEAVES and WREATHS, Bayersdorfer & Co.'s special quality and improved finish.

INDESTRUCTIBLE METAL DESIGNS, in beautiful and attractive assortment.

IMMORTELLES in every Desirable Color.

These are all desirable and salable articles for Memorial Day. Do you realize that the day is close at hand? The season is forward and fresh Flowers will be scarce. The above named goods will be in big demand. Our stock is the best procurable and our prices are low.

H. Bayersdorfer & Co.,
50-56 N. Fourth St., PHILADELPHIA, PA.

D. O. Gunningham Glass Co.,
PITTSBURG, PA.

Tank Window Glass.
Hot-House Glass A Specialty.

Horticultural Builders & Heating Engineers
PHILLIPS MFG. CO.,
Tel. 1851 Bergen. Jersey City, N. J.

In 1900 we built 5,726 square feet.
In 1901 " 21,276 square feet.
In 1902 " to date 14,962 square feet.
Have orders for 19,600. This should convince you we are progressive and up-to-date. See the range we are building for S. Untermeyer, Esq., Greystone, Yonkers, N.Y.; conceded by practical authority to be a perfect type of greenhouse. Call us up.

Wire Hanging Baskets

12-inch, well-made, painted green, $2 per dozen; $15 per 100.

GEO. L. MILLER, Newark, Ohio.
Please mention the American Florist when writing

WE NOW OFFER
"Chemicals"
for making LIQUID COMPOST.
Dry powders all soluble in water. Composts cost less than ½c per gal. Correspondence invited.
EASTERN CHEMICAL COMPANY,
620 Atlantic Ave., Boston.

KIFT'S Patent ADJUSTABLE VASE HOLDER
No. 1.—Brass, nickel, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) $2.25. Price complete (with green or white cornucopia vases) $2.50. No. 2.—Heavy 4 ft. rod, brassed and nickeled, with three clasps for 5 to 6-inch pots, each $1.75.
KIFT'S PATENT Rubber Capped FLOWER TUBES, 1½-inch diameter, per 100, $3.50.
JOSEPH KIFT & SON, 1725 Chestnut St., Phila., Pa.

FOR SALE.
VALUABLE IRON GUTTER PATENTS

I hereby offer for sale the Patents covering my Wrought Iron Gutter; also the Patents covering the Gutter advertised in last week's edition of the AMERICAN FLORIST, Florists' Exchange, and the Florists' Review, by Geo. M. Garland.

The increased business of the Standard Ventilating Machine demands my whole attention to its manufacture. But, as in the past I will give the gutter business its fullest share of attention until the patents are sold. Yours truly,

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WE PURCHASED THE PAN AMERICAN EXPOSITION
SEND US YOUR LUMBER BILL FOR OUR ESTIMATE.
Pipe, Machinery and Building Supplies in General.
FREE CATALOGUES ON APPLICATION.
CHICAGO HOUSE WRECKING CO.,
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AdjustablePlantStands
THE BEST ON THE MARKET.
1 Stand $1.50; 3 Stands $4.00; 6 Stands $7 50; 12 Stands $14.00.
YOU NEED THEM IN YOUR BUSINESS.
C. B. WHITNALL, MILWAUKEE, WIS.

Sprague Smith Co.
PLATE AND WINDOW GLASS
Greenhouse Glass a Specialty
205 Randolph Street, CHICAGO.

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FOR INSURANCE AGAINST DAMAGE BY HAIL, Address
John G. Esler, Sec'y F.H.A.
SADDLE RIVER, N. J.

TO KILL ALL

Greenhouse Bugs

USE

"NICOTICIDE"

Clean and harmless as **Fumigant** or **Spray.** Ask your seedsman for it or write to

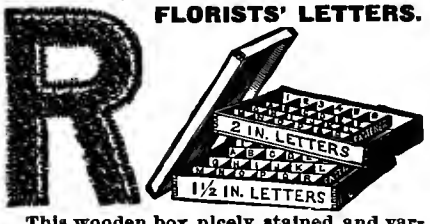
The Tobacco Warehousing and Trading Co.,

1000 Magnolia Ave., - Louisville, Ky.

Boston Florist Letter Co.

MANUFACTURERS OF

FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1½ or 2-inch size, per 100, $2.00. Script Letters, $4. Fastener with each letter or word.

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Plain, Fancy, Printed & Mounted,

Manufactured by

The Conley Foil Co.

521 to 541 West 25th St.,

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A. HERRMANN,

Cape Flowers, ALL COLORS;

Cycas Leaves, Metal Designs,

AND **All Florists' Supplies.**

Send for Prices.

404-412 East 34th St., NEW YORK.

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Week days and every day, Sundays and holidays,

ALL OVER THE COUNTRY AT HOME AND ABROAD.

MEMORIAL DAY Place your orders now for **METALLIC DESIGNS,** all our own make, **IMMORTELLES, NEW CAPE FLOWERS,** in all colors, **BIRCH BARK CROSSES** in all sizes from 16 to 48 inches long; **FINEST IMPORTED CYCAS LEAVES** at **Bottom Prices;** also full line of Up-to-date Supplies at lowest market rates, for first-class stock. We handle no other. Catalogue for the asking.

Leading Florists' Supply House.

M. RICE & CO., Importers and Manufacturers

918 Filbert St., Philadelphia, Pa.

OUR NEW FOLDING

Cut Flower Box

IS A PERFECT GEM. SEND FOR SAMPLE.

HOLTON & HUNKEL CO.

MILWAUKEE, WIS.

"BLACK DEATH" (POWDER) TO EAT THEREOF IS TO DIE.

BUG KILLER and FERTILIZER. Three years of unprecedented success wherever introduced all over the United States has proved "BLACK DEATH" to be a cheap and absolute annihilator of all insects, bugs or beetles that prey on vegetation, foliage and flowers. See what Peter Reinberg said in this paper, Feb. 8. Other strong indorsements sent on receipt of postal card.

Western Sales Agency, 235 Franklin St., Chicago.

HANDLED BY SEEDSMEN. S. D. STRYKER, Agent.

NIKOTEEN

IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

DOES NOT INJURE THE MOST SENSITIVE PLANTS- ENDORSED BY PROMINENT FLORISTS- USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT- 200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN. SOLD BY SEEDSMEN ---- CIRCULAR FREE- SKABCURA DIP CO. CHICAGO.

Kill and save the Blooms Bugs!

QUICKLY DOES IT.

RIPPLEY'S

IMPROVED 1902

COMPRESSED AIR SPRAYERS

have fine Vermorel Spray Nozzle; made of heavy copper and galvanized steel; has safety valve. Strongly riveted and double seamed. Guaranteed to be as represented and to be the strongest sprayer manufactured. Fine for spraying young orchards. Trees 25 feet high by using extension pole. Exterminating insects from vegetables spraying gardens, washing buggies. Fine for white-washing buildings, etc. Made in two sizes, 4 and 5 gallons. 4 Gal. Galv., $5; 4 Gal. copper, $7. Fine brass pump fitted on outside. Solution easily agitated. We also sell large orchard sprayers. 5 Gal. Galvanized, $5.50, 5 Gal. Copper, $8.00. Send to-day for our Sprayer and Breeder Supply Catalog. *Agents Wanted.*

Rippley Hdw. Co., Box. 19, Grafton, Ill.

Sigmund Geller

Importer and Manufacturer of

FLORISTS' SUPPLIES

Complete Stock—New Goods—New Illustrated Catalogue Now Ready. Send for it.

108 W. 28th St., near 6th Ave., NEW YORK.

REED & KELLER,

122 & 119 W. 25th St., NEW YORK, N. Y.

MANUFACTURERS OF

FLORISTS' WIRE DESIGNS.

IMPORTERS AND DEALERS IN FLORISTS' SUPPLIES.

Galax Leaves and all Decorative Greens.

CUT FLOWER BOXES

WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable, handy. To try them once is to use them always.

DON'T USE OLD STORE BOXES.

If you have any doubt, send for samples, which speak for themselves.

Size No. 1.	3x4½x16..	$1.75 per 100;	$15.00 per 1000
" No. 2.	3x6x18....	2.00	"	18.00	"
" No. 3.	4x8x18....	2.40	"	22.00	"
" No. 4.	3x6x20....	2.75	"	25.00	"
" No. 5.	4x8x22....	3.00	"	28.00	"
" No. 6.	4x8x28....	3.75	"	35.00	"

THE LIVINGSTON SEED CO.

Box 103, COLUMBUS, O.

Successful Growers are Wanted

To know that they can dispose of all their surplus stock by advertising in the American Florist. TRY IT NOW.

Nashua, N. H.

LOCAL TRADESPEOPLE SAY IMPROVEMENT IS THE ORDER OF THE DAY.—GOOD STOCK IN EVIDENCE.—NEW CARNATIONS TO BE EXTENSIVELY PLANTED NEXT FALL.

Improvements of one sort or another have been going on at the two leading floral establishments here and, after the spring rush is over, additional betterments will be the order of the day. George E. Buxton will extend one of his carnation houses about fifty feet, and while at it will give his entire place some overhauling. Mr. Buxton, while growing a general stock for his retail trade, pays especial attention to carnations, of which he has four large houses. That he grows them well may be inferred from the fact of his Bradt taking twice in succession the first prize at the Boston flower market. In fact, his Bradts are conceded to be the finest in New England. Other varieties do equally well with him. Lawson and Marquis are his leading pinks. Crane and Judge Hoitt, the latter a seedling of his own, a shade lighter than Crane, are grown for red. Governor Roosevelt, as a crimson, is without a peer, and White Cloud, in his opinion, is the only one to depend upon for quantity in midwinter, when the demand for high grade whites by far exceeds the supply. Quite a number of this year's introduction will be housed this fall, among them being Gov. Wolcott, Higinbotham, Harry Fenn, J. H. Manley, Cressbrook, Floriana and Fair Maid. With an array like this there need be no scarcity of high grade flowers at Buxton's the coming season.

At August Gaedeke & Company's, things, as usual, look in the pink of condition, both roses and carnations being all that one could possibly desire. Like everywhere else the Lawson takes the lead as a pink, although Joost is behaving splendidly, making up in quantity what it lacks in size. Mr. Gaedeke has been especially successful with his Begonia Gloire de Lorraine for the past two seasons, producing as fine specimens as one could find anywhere and finding a ready market for them in Boston, where good stock is sought and well paid for. It is his intention to grow a larger quantity this season for his retail trade as well as for the wholesale market.

Both G. E. Buxton and A. Gaedeke & Company report a fine trade all along the line, the spring season having opened with a rush. NOMIS.

WRITE
A. F. KOHR, 1521-23 N. LEAVITT ST., CHICAGO, ILL.,
FOR PRICES OF
Standard Pots
which for strength and porosity combined are the best on the market.

THOSE RED POTS
"STANDARDS"
FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y,
HARRY BALSLEY, Rep. DETROIT, MICH., 490 Howard St.

GALVANIZED WIRE—AT BOTTOM PRICES.
Fifty car loads of new galvanized wire, in short lengths. Never was used. Comes from 6 to 1 gauge. Put up 100 lbs. to a coil and only one size wire to each bundle.
Prices range from $1.10 to $1.90 per 100 pounds.
Our Free Catalogue No. 47 for the asking. We handle all kinds of supplies from Sheriff's and Receiver's Sale.
Chicago House Wrecking Co.
West 35th and Iron Sts., Chicago.

AWARDED THE ONLY FIRST CLASS CERTIFICATE OF MERIT BY THE SOCIETY OF AMERICAN FLORISTS AT BOSTON MASS AUG 21ST 1890 FOR STANDARD FLOWER POTS.
WHILLDIN POTTERY CO.
JERSEY CITY LONG ISLAND CITY
PHILADELPHIA
Traveling Representative,
U. CUTLER RYERSON,
108 Third Ave. Newark, N. J

ESTAB. 1765
A. H. HEWS & CO.
No. CAMBRIDGE MASS.
L. I. CITY N.Y.
CATALOGUE FREE

Standard Flower... POTS
If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.....
W. H. ERNEST,
28th and M Streets, WASHINGTON, D. C.

GEO. KELLER & SON,
MANUFACTURERS OF
FLOWER POTS.
Before buying write for prices.
361-363 Herndon Street, near Wrightwood Ave.,
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Please mention the American Florist when writing.

FLOWER POTS
ALL KINDS.
STANDARD POTS A SPECIALTY
List and SAMPLES FREE.
SWAHN'S POTTERY MF'G CO.,
P. O. Box 78. MINNEAPOLIS, MINN.
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Invalid Appliance Co.,
MANUFACTURERS OF
COLUMBIA PLANT TUBS
(PATENTED)
"The kind that never fall apart"
If your seedsman doesn't handle them, order of us direct.
FACTORY AND OFFICE:
150-160 VEDDER ST., CHICAGO.
TELEPHONE NORTH 993.

THE Regan Printing House
NURSERY SEED FLORISTS' CATALOGUES
87-91 Plymouth Place,
CHICAGO
Please mention the American Florist when writing.

The Standard
The lightest running, most rapid and powerful ventilating machinery in the market.
Duplex Gutters,
Made of wrought or cast iron with self adjusting sash bar clips. The only Drip Proof Metal Gutter offered to the Public. Send for my catalogue free.
E. Hippard,
Youngstown, O.

STANDARD FLOWER POTS!
Packed in small crates, easy to handle.

Pots	Price per crate		Pots	Price per crate	
1500 2-in.,	in crate,	$4.88	120 7-in.,	in crate,	$4.20
1500 2¼	"	5.25	60 8	"	3.00
1500 2½	"	6.00	48 9	"	3.60
1000 3	"	5.00	48 10	"	4.80
800 3½	"	5.80	24 11	"	3.60
500 4	"	4.50	24 12	"	4.80
320 5	"	4.51	12 14	"	4.80
144 6	"	3.16	6 16	"	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers. Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.
HILFINGER BROS' POTTERY,
OR ... FORT EDWARD, N. Y.
AUGUST ROLKER & SONS, New York Agents,
31 BARCLAY ST., NEW YORK CITY.

KELLER BROS.
213-15-17-19-21-23 Pearl St.,
NORRISTOWN, PA.
Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.

RED POTS
SAMPLE POT AND PRICE LIST ON APPLICATION.
C. C. POLLWORTH CO., MILWAUKEE, WIS.....

THE
Gardeners' Chronicle.
A Weekly Illustrated Journal.
ESTABLISHED 1841.
The GARDENERS' CHRONICLE has been FOR OVER SIXTY YEARS THE LEADING JOURNAL of its class. It has achieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, the information furnished is of such general and permanent value that the GARDENERS' CHRONICLE is looked up to as the STANDARD AUTHORITY on the subjects of which it treats.
Subscription to the United States, $4 20 per year. Remittances to be made payable to H. G. COVE.
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Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.

SHORT-ROOF GREENHOUSES. (Patented.)

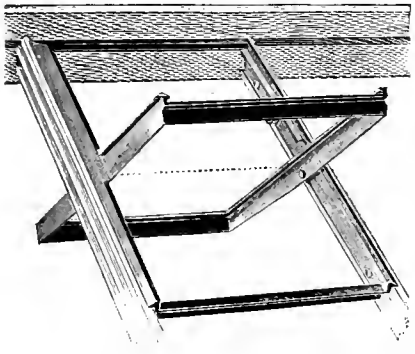
.....WRITE FOR CATALOGUE.....

A. DIETSCH & CO., Patentees

Manufacturers of California Red Cedar and Louisiana Cypress Greenhouse Material.

615-621 Sheffield Ave., CHICAGO.

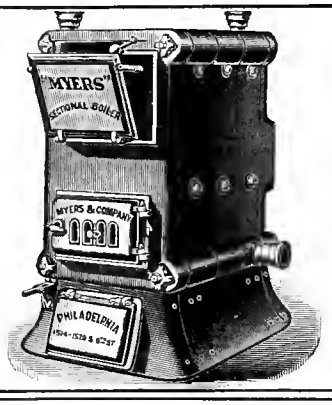
THE NEW CAST IRON VENTILATOR



Patent Applied For.

The sash being perfectly balanced you can open the sash on houses up to 1000 feet long with one machine. No header bars. No hinges to rust. Will last a lifetime. The price is within the reach of all. Send for descriptive circular.

A. RASMUSSEN, NEW ALBANY, IND.



Exclusively

A GREENHOUSE HEATER!

SPECIALLY ADAPTED FOR THE WORK EASY TO ERECT; SIMPLE IN OPERATION; ECONOMICAL AS TO CONSUMPTION OF FUEL.

Send for Catalogue and latest prices.

MYERS & CO.,

116 South 17th Street, - PHILADELPHIA, PA.

(ESTABLISHED 1849.)

GEO. M. GARLAND,

IRON GUTTERS AND POSTS

Testimonials from leading growers.
Send for Catalogue.

GEO. M. GARLAND, Des Plaines, Ill.

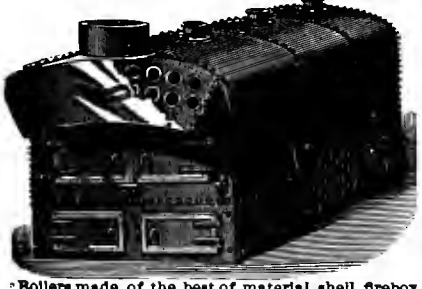
JOHN C. MONINGER CO., CHICAGO, SELLING AGENTS.

KROESCHELL BROS. CO.

IMPROVED

Greenhouse Boiler,

45 Erie St., CHICAGO.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS

WRITE FOR ILLUSTRATED CATALOGUE

QUAKER CITY MACHINE WORKS, RICHMOND, IND.

GOOD THINGS.

Hammond's

GREENHOUSE WHITE PAINT and

Twemlow's

OLD ENGLISH GLAZING PUTTY.

In use by some of the largest Florists in the United States. Write for prices.

HAMMOND'S PAINT AND SLUG SHOT WORKS,
FISHKILL-ON-HUDSON, N. Y.

Please mention the American Florist when writing

THE KINNEY PUMP.

For applying liquid manure it has no equal. Sent prepaid for $2.00.

THE HOSE CONNECTION CO., Kingston, R. I.

WILKS Hot Water Heaters.

Best made for Greenhouses. SELF-FEEDING MAGAZINE. All Steel. Simple, strong, durable. Send for Catalog, etc.

S. Wilks Manfg. Co., 53 to 55 S. Clinton St., CHICAGO.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

If you write to any advertiser anywhere mention the paper in which you saw the ad. Both publisher and advertiser will like you better for it.

Lowell, Mass.

EARLY SPRING GIVES PLACE TO COLD SNAP. —MUCH OUTDOOR STOCK INJURED BY FROST.—CUT FLOWER BUSINESS LIGHT. —PRICES TAKE A DROP —VARIOUS NOTES OF LOCAL AND TRADE DOINGS

After a week of spring-like weather the temperature dropped so low that it played havoc with stock outdoors. On the night of May 11 we had a frost that killed all the asparagus of the truck growers and caused the greenhouse men to rekindle their fires. Business that started in with a boom at the first of the month has taken a tumble with the temperature and there is little doing, scarcely any funeral work being called for. With no business in the cut flower trade, prices have dropped, especially on carnations, which seem to be in abundant supply at present. Good blooms can be bought for $1.50 per hundred, quite a drop from $3 per hundred about a week ago. Memorial day always makes a brisk demand here for the cheaper and indestructible goods and these are now being shown in store windows.

The supply of sweet peas is so large that the prices realized are not good, blooms of good quality selling for 40 cents per hundred, and even lower than that in large quantities.

Pansies, myosotis and daisies in baskets, eight plants to a basket, sell well for 25 cents, but some of the price places have them marked 15 cents per basket.

Collins & Company are erecting two fifty-foot houses on Rogers street. They will grow violets for the Lowell market next winter.

It will not be very long before there will be an automobile in Lowell, delivering flowers, if present reports are true.

M. A. Patten and mother went Monday to South Waterboro, Me., to attend a funeral.

Allan Pierce was in town last week.

A. M.

NEWPORT, N. Y.—Hodgson's Bellevue avenue branch has been opened for the season of 1902

2nd-HAND BOILERS

We have in stock a great number of good second hand boilers, low pressure, which we will sell at

Bargain Prices

consisting of the following:

10—48x12 horizontal tubular boilers, each $125 00

3—42x10 horizontal tubular boilers, each $100 00.

6—36x12 horizontal tubular boilers, each $75 00.

1—Kroeschell hot water boiler, 100 feet capacity, $75 00.

100,000 feet 2-inch second hand boiler tubes which we furnish with sleeve couplings, oakum and cement, per foot 6 cents.

50,000 feet 4-inch flanged wrought iron casing, per foot 16 cents.

Ask for Our Catalogue No 47.

Chicago House Wrecking Co.,

West 35th and Iron Sts., Chicago, Ill.

CLEAR CYPRESS ABSOLUTELY FREE OF SAP

POSSIBLY you have heard of Cypress material that failed to last.

Such Cypress invariably is furnished by parties who have no knowledge of the peculiar requirements of greenhouse material.

We have made greenhouse construction a special study.

Our lumber is selected with the greatest of care, our material is guaranteed perfect and strictly up-to-date.

Write us, when next you want material.

IT PAYS TO PAY FOR QUALITY

JOHN C. MONINGER COMPANY.

GREENHOUSE MATERIAL

111 to 115 BLACKHAWK ST. CHICAGO ILL.

SELLING AGENTS FOR

GARLAND IRON GUTTERS.

OUR MOTTO:

QUALITY and WORKMANSHIP

If you want good greenhouses you must have a good design and good material, properly machined.

We use only the Best Absolutely Clear

AIR DRIED **GULF RED CYPRESS**

And have the ability and facilities to give you the best of workmanship. Before you build write for sketch and estimate.

If your iron work and pipes rust and corrode write us about our specially prepared to prevent corrosion underground and in damp places. **PAINT**

FOLEY MANUFACTURING CO.

Office, 471 W. 22nd St. CHICAGO, ILL. Factory and Lumber Yard, 474-498 W. 21st Place.

MASTICA

FOR Greenhouse Glazing

USE IT NOW.

F. O. PIERCE CO.

170 Fulton St.,

NEW YORK

DILLON'S GREENHOUSE MFG. CO. Bloomsburg, Pa

MANUFACTURERS OF HOT BED SASH, AIR DRIED GULF CYPRESS SASH BARS AND OTHER GREENHOUSE MATERIAL.

BUILDERS of DURABLE and PRACTICAL Greenhouses at a LOW COST.

☞ Our descriptive circular contains valuable information for every florist. Send for it. WE HAVE SOMETHING NEW TO OFFER.

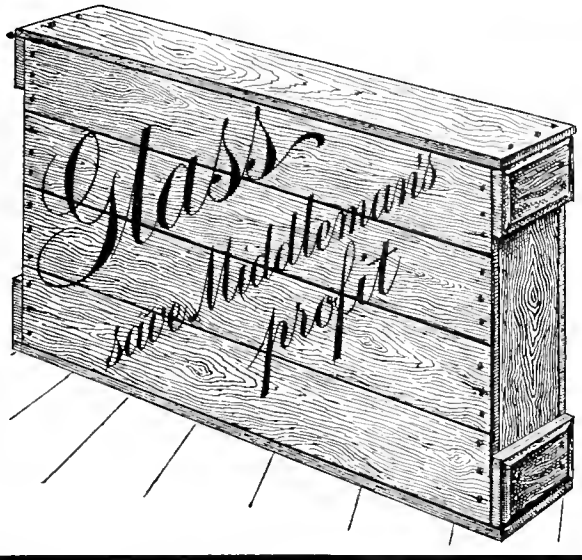
Please mention the American Florist when writing.

ESTABLISHED 1847.

Semon Bache & Co.

7-9-11 Laight St., NEW YORK.

We Execute



CARLOAD ORDERS

...For...

French Glass

by Direct Shipment from Factory Abroad, saving you middleman's profits.

Try Us With a Specification For Quotation.

HOT BED SASH,

NOW READY.

Delivered price anywhere on lots of one dozen or more. Guaranteed in every way.

THREE SIZES.

3 ft. x 6 ft.....3 rows 10-in. glass
3 ft. 3-in. x 6 ft.....4 rows 8-in. glass
4 ft. x 6 ft.....5 rows 8-in. glass

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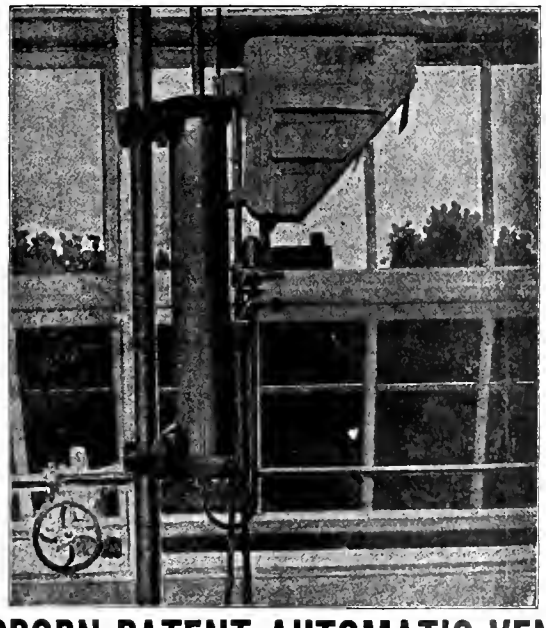

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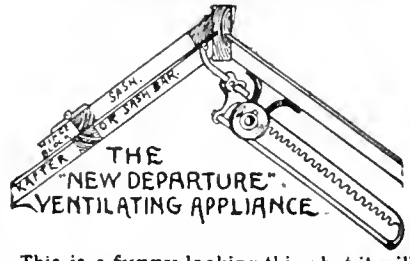

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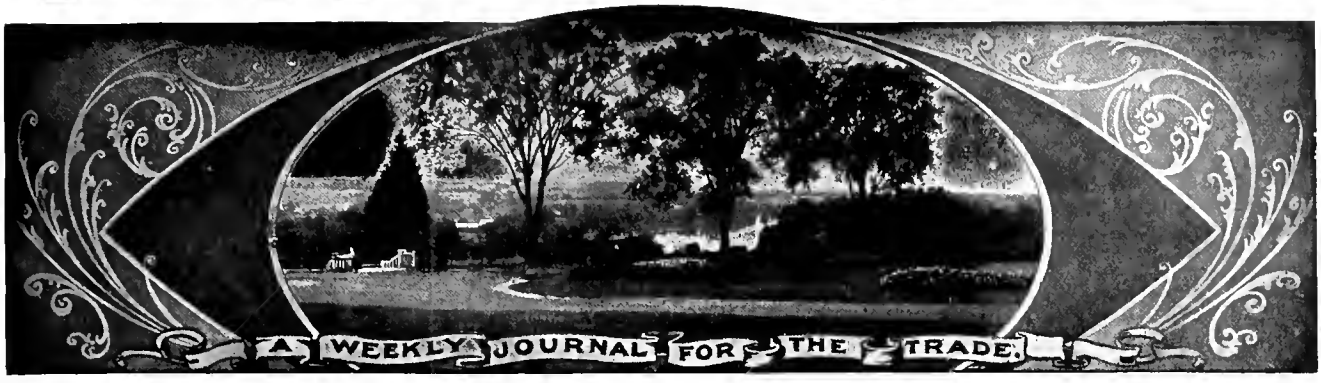

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SEVENTEENTH YEAR.

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CARNATIONS.

THE SEASON'S SUCCESSES.

Carnations as a rule started to bloom late last season in western Pennsylvania, why I can only guess. Joost was the first to start, not forgetting Dorothy, which is profitable, though not as good a flower as Joost with me.

In white, Cloud leads, Norway being rather slow and not pure white. Lawson paid me best of all pinks. Hector is still a good red with me, although I am going to try two other reds the coming season.

Morning Glory is a good light pink, free, good stem, pleasing color, although only medium in size. Prosperity came too slow to pay to grow many after this.

F. BURKI.

In common with many other Indiana growers we have had both White Cloud and Norway during the past season. White Cloud has done well with us and we still have to see one which will displace it. Norway made flowers early in the fall, then went to pieces and has never recovered. We were not able to get stock of Lorna for the past season but shall try it next winter. We shall also try Queen Louise, which I think is a good one, from what I have seen of it.

In reds we have been growing G. H. Crane and America. The latter is not so good as Crane, which gave us good flowers all winter and is still at it. America has not done nearly so well and we shall be contented with Crane until after Adonis has become available.

Our pinks this season were Genevieve Lord, Mrs. Lawson, Marquis and Dorothy. Lord gave us a number of flowers in the fall and spring, with good color but poor form, and we shall not grow it again. Lawson's only fault is its bursting so badly in midwinter; we cannot do without it. I think that if we grew Marquis indoors all summer it would give us more flowers and stiffer stems than we get from field-grown plants. We shall try it next winter, for the quality and color of the flowers make the plant deserving of further test.

Dorothy is certainly a success and making a reputation for itself as a money maker. I have not heard of many who cannot handle this variety. It blooms from September until time to replant the houses. We benched 7,000 Dorothy last season and shall grow the same number next winter.

Roosevelt is the only dark red that will occupy any space in our establishment next season. We shall plant more of this variety than last year. Our Prosperity have not given enough flowers to pay for benchroom, but we shall grow a few next season, for it is well worth further trial.

This narrows our list down considerably for next winter. Besides those merely grown for trial, including several new ones, we shall have only White Cloud, Lorna, Queen Louise, Crane, Dorothy, Lawson, Marquis and Roosevelt.

CHAS. KNOPF.

Owing to the extreme difference in climate it is doubtful whether our experience with carnations here in Colorado is likely to benefit those east of the Missouri river. Our soil, too, is peculiar, the rainfall being so meager that a sod is not formed and the soil is consequently almost entirely decomposed mineral, unlike that wonderful soil around Chicago. We get slender, wiry stems. We may some day learn the secrets of this soil so as to secure the rank, luxuriant growth obtained by the aldermanic Andrew at Hinsdale, but I am not sanguine.

So far Lawson, Norway and Genevieve Lord are the only carnations with stems uniformly strong enough to hold the flower erect. Lawson is the most productive and the most satisfactory carnation we have ever grown; and when I say most productive I mean it has produced more flowers to the plant than any other we have ever grown, not barring Scott or Maceo. Long life to Peter Fisher! May he live to give us many more as good as Lawson and Enchantress.

We have this season grown thirteen varieties and on May 1 they ranked in the following order as to number of blooms produced. Lawson, Maceo, Lorna, Marquis, Roosevelt, White Cloud, Norway, Crane, Olympia, Hill, Lord, Estelle and Prosperity. In point of money produced they stood Lawson, Lorna, Marquis, Maceo, Prosperity, Roosevelt, Norway, Olympia, White Cloud, Crane, Lord, Hill and Estelle. We shall only plant two of these largely the coming season, Lawson and Lorna.

Our store complains that Marquis goes to sleep too quickly. We shall try Floriana and Dorothy. We consider Genevieve Lord a seductive maiden, always charming, always holding out alluring prospects and sure to separate us from our money. Maceo and Crane will be

replaced by seedlings of our own. We shall try Gov. Wolcott rather heavily, as Lorna's stem is not strong enough. Norway has been too slow and has been a dirty pink a large part of the time.

We shall let Hill and White Cloud go with our blessing for the good they have done. Hill is a good flower and on a fine stem, but too shy, while White Cloud is not really first-class for more than a third of the season. We shall have Crane grown for us on contract, paying 3 cents the season through, as that is cheaper than we have been growing them, and scarlet we must have.

Estelle has hardly had a fair trial, as our plants were small when benched in the fall, but it trailed along in the rear all the season and was shut out by the distance flag. It will not start on this track again. A large number of the blooms were single and the stems were short. Prosperity, being a novelty, averaged twice as much per bloom as Crane or Lord and so made a fair showing. We shall grow few, if any, next season, though we hate to drop it; but it is dollars we are after.

Our experience with Lorna is the reverse of Mr. Herr's. Lorna began early and kept at it in good style up to the end of March. Since then lots of grass and few blooms. In number of blooms cut our four leaders January 1 were in this order: Maceo, Lawson, Roosevelt, Marquis. February 1, Maceo, Lorna, Marquis, Lawson. March 1, Maceo, Lorna, Lawson, Marquis. April 1, same as March 1. May 1, Lawson, Maceo, Lorna, Marquis. We have grown Marquis since it was sent out and it has never been late in coming into bloom, as is so often said to be the case in the east.

Everyone should keep a record of the cut from each variety. I recently asked our foreman and our carnation man to name our three most productive carnations and neither of them named more than one correctly. I doubt whether many growers will guess better than that. J. A. VALENTINE.

Referring to the different varieties of carnations which we have grown the past season, and those which we will grow the coming winter, would say that we keep a record of all varieties which we grow, as to the number of blooms cut and exactly what they are sold for. In this way when it is time to decide what stock we wish to reserve for our own use, we refer to our record book, but pay no attention to the quantity of blooms given, but as to which variety has paid the most per square foot, and, if we are growing two or three different whites, the one that has paid us the most up to February 1 per square foot is the one we will use for the next season, discarding all others.

Owing to late construction this past season all our plants were benched very late. For fancy, Prosperity takes the lead, and should be grown at a temperature of about 52°. We benched same October 8 and commenced picking blooms December 9. If benched in July they will undoubtedly come into bloom early, so as to be in full crop for Christmas. Gov. Roosevelt seems to be the leading crimson. It is not quite as free as Gen. Maceo, but produces well-formed flowers on much longer stems, and should be grown at a temperature of 52°. This, we consider the best crimson to date.

G. H. Crane seems to be the best scarlet so far, and should be grown at a temperature of 52°, but Apollo will be our leading scarlet for next season. Mrs. Geo. M. Bradt has done well with us the past season, and should be grown at a temperature of 50°, but we shall discard this entirely next season and grow Peter Fisher's new seedling, Mrs. M. A. Patten, instead. This will give more blooms than any standard variety and, in my judgment, is the best variegated in sight.

Mrs. Lawson is yet to be beaten in its color. It should be grown at a temperature of from 55° to 56°. We find if the temperature does not vary that the percentage of split calyxes is very small. Of Golden Beauty we had very few plants, less than 400, the plants being small, and they were benched October 10. They made rapid growth, however, producing large flowers on long, stiff stems. We consider it much better than Gold Nugget

THE LATE H. H. HUNNEWELL.

(See page 653.)

or Eldorado, and it will be our yellow for next season. This variety seems to have been overlooked by most of the florists, but, in my opinion, it is the best yellow to date, being as free a bloomer as other standard varieties. It should be grown at a temperature from 50° to 52°. Gen. Maceo is a free bloomer and should be grown at a temperature of 48°, but will be discarded. Eldorado should be grown at 48° to 50°, but will not fill the bill.

Marquis has done well with us during the past season, blooming continuously. It should be grown at a temperature of from 48° to 50°. There seems to be a good deal of complaint about this variety not being a good shipper, but we have experienced no difficulty in this respect. The blooms should be allowed to remain upon the plants until fully developed before being picked; if not, they will invariably go to sleep the next day. Morning Glory is the leading light pink, giving large blooms on long, stiff stems, and should be grown at a temperature of 52°. This we will discard entirely, as we will grow Enchantress.

For white, we had three varieties, Norway, which should be grown at a temperature of from 50° to 52°; Lorna, 48° to 50°, and White Cloud, 48°. We consider Lorna an improvement over White Cloud. We benched 4,000 White Cloud on September 25 and commenced picking blooms November 12, and up to the present time we have picked 60,000 blooms from the 4,000 plants, and we will pick 40,000 more by July 1. Gov. Wolcott, however, will be our main white for next season, and should be grown at a temperature of from 52° to 54°. During the winter weather, on the above varieties, the day temperature should not be allowed to run over 60° to 62°.

The following we consider the fancy varieties, and the ones we will grow next season: Light pink, Enchantress; crimson, Gov. Roosevelt, Harry Fenn; scarlet, Apollo, J. H. Manley, Estelle; white, Gov. Wolcott; pink, Mrs. Lawson, Nelson Fisher (Peter Fisher's), Marquis; yellow, Golden Beauty; variegated, Mrs. M. A. Patten (Peter Fisher's), Prosperity. J. D. THOMPSON.

White Cloud we still regard as the leading and most profitable fancy white. When well grown it is as large and as fine a white, through the cool season, as has been produced. But it is not good either early or late in the season. Glacier will be grown more extensively the coming winter. It produces short stems early in the season, but the flowers are perfect in form and color, a fine lustrous white. It does not make as long a stem as others at any time of the season, but produces a large quantity of bloom and will do on a side bench, if it can get no better quarters. It never bursts.

Lorna is grown in small quantity. It produces fine stems and flowers early in the season, better stems and flowers than White Cloud, but is not so prolific. It is less likely to split than White Cloud. Norway will be discarded. It produces good stems and some flowers, but the color is muddy, many flowers inferior in form and size. Flora Hill must be discarded. It never has produced a clear color with us, splits badly and is not prolific. It must be a good keeper and shipper as it sells better at commission houses than better flowers of other varieties of the same color.

Lawson is fine in midseason. As with others, it throws short stems in the fall, but from November 1 to May 1 it is in continuous bloom, and of fine color; after that it burns badly. Thrip are very fond of it. If grown cool it splits badly; needs 55° to do its best. We shall grow it in increased quantity.

Triumph is our best shipper, keeper and producer in pink. It is fine early, midseason and late. Some high class retailers, customers of ours, prefer Triumph to Lawson, at the same price. It is somewhat subject to disease, but is being propagated out of it. Joost produces in such abundance and the color is so evenly diffused, all over both sides of the petals, that it is regarded as valuable, notwithstanding its small size and short stem, about eighteen inches.

Morning Glory must be retained for its color. Marquis is fine, but too late and looks sleepy. Dorothy gives us some discolored flowers. We think we must give it a little more warmth. It is a good producer, keeps and ships well, and while not at its best an ideal color, it will more than cover the field heretofore held by Scott, which must be discarded.

Crocker has not yet proven profitable with us. We will try it again, give it a lighter soil and warmer quarters. Others succeed with it, why not the writer? It is certainly worth trying for. Genevieve Lord is still on the boards, but I can't

A FIELD OF CALLAS IN CALIFORNIA.

tell why it has never produced much but grass, and is low grade at its best in this vicinity.

If our patch of Irene is a sample of what it has done elsewhere it will not be heard from next season. Not over twenty per cent of the flowers are salable although it seems to grow and flower well. Elma does not succeed with us. Both plants and flowers are poor.

Crane is still the leader in red, on account of productiveness and color. Estelle will be planted largely. Its color is magnificent, stems strong and straight. Our plants were small and have not grown large. It is a very much improved Jubilee. The latter will be discarded, principally for the fault of throwing a large percentage of malformed, discolored or single flowers, which we have been unable to propagate away from.

Bradt is as good as ever. Prosperity has not been profitable, but will be tried on a larger scale with hope of better results. W. J. VESEY.

Orchids For Florists' Use.

[*A paper by R. Karlstrom, read before a recent meeting of the Hartford Florists' Club.*]

In the past, when the demand for choice flowers in variety was not so great as it is to-day, most of our orchids belonged to private individuals and consequently few flowers found their way to the flower stores or came before the general public. The price also was beyond reach and, although they were much admired for their beauty, it seemed that they never would become popular, for the supply was limited. The grower would not invest capital, or spend much of his time on a plant for which he thought there was no wide market. Difficulty was also experienced in finding persons competent to grow these little known plants. The grower must, therefore, personally take charge or entrust his comparatively large investment in the hands of an inexperienced or incompetent assistant. The retail merchant or storekeeper was equally careful in buying flowers he had small chances of selling, or to take an order for goods he was not sure to be able to supply.

But times have changed in the last ten years. It is hard to say where we are going to stop. Plants of the various orchids number well up in the millions; flowers are cut and sold in great numbers, at a profit to the growers of tens of of thousands of dollars, and still the demand is ever increasing. But plants can never be cheaper, or the supply, I believe, more abundant than at the present time. Here are a few reasons: Orchids cannot be propagated by cuttings to overproduction, as is the case with most other plants. It is a very slow process indeed to propagate them by division, and it takes several years for most of them to attain their flowering period from seeds. We must, therefore, depend almost entirely on importations from the native growing places. But even there the supply is getting smaller year by year, and it is, perhaps, but a question of time when it will become altogether exhausted. The immediate cause, is the thoughtless destruction by orchid collectors, the cutting down of the forests, and the needs of the ever-increasing population in the districts.

On the strength of this we may, therefore, say that an overproduction of this interesting and beautiful genera is next to impossible. The opportunity for the orchid grower was never better than it is to-day. The demand is always increasing and the supply nearly always limited. Orchid growing has become a trade of no mean reputation. Years ago when I was a little more closely connected with the commercial world than I am now, there were more than 10,000 Cattleya Trianæ and as many Cypripedium insigne sold in Greater New York every year, and all those were grown in the vicinity of New York city. New York, however, is not the only city with a demand for orchids, and the New Yorkers are not the only ones who can grow them. No, the field is open, over this whole broad land.

We have a long list of varieties, equally as good as Cattleya Trianæ and Cypripedium insigne, only waiting to be introduced, and when that is done I am positive they will be appreciated by the intelligent flower loving public. In making up a collection it is, of course, necessary to choose such plants or varieties which promise to bloom through the whole, or greater part of their respective blooming seasons.

The flowers of the cattleya are, as we all know, large and very beautiful, and especially C. labiata gives us an abundance of flowers almost the year around. This flower is always in demand and ought to be grown more extensively than it is to-day. Next comes C. Percivaliana, with a little smaller flower than the preceding. This species comes in just between C. labiata and C. Trianæ and is therefore well worth growing, but in smaller quantity. C. Trianæ is one of the most useful and I think one of the most extensively grown of all the cattleyas. With very little forcing it will bloom from Christmas to the middle of March, or even later, when it will be succeeded by C. Gaskelliana.

Next in turn comes C. Mendellii, closely followed by C. Mossiæ. When the last named ones bloom, orchid flowers do not as a rule find as ready a sale, and it is therefore well to grow them in smaller quantities. During the rest of the year, July and the beginning of August, we have the gigantic C. Warscewiczii and C. Eldorado. It will be seen that it is possible to have cattleyas in bloom during the entire year. With the exception of C. Eldorado, which must have more heat and moisture than the rest, they can all be grown at a winter temperature of 55° to 60°. This may go up to 70° or a little more in the daytime, but necessitates, of course, ventilation in clear weather. It is necessary to employ two or more houses for the culture; thereby making it possible to force on or hold back certain plants for certain occasions and also to prolong the blooming period of the species.

The dendrobiums provide us many beautiful species worthy of general culture for the trade. D. formosum and D Phalænopsis are two of the best warm-house species. The first named, not unlike a large white cattleya, blooms during the fore-winter. The other, with smaller, white, pink or rose-colored flowers, on long stems, in rich profusion, blooms from October to May. It pays well to grow these two varieties in large numbers.

Dendrobium Wardianum, with its white, yellow, brown and rose-colored bunches of flowers, and D. nobile, with rose-colored blossoms, are two very distinct, useful and desirable kinds. They need very nearly the same treatment, plenty of heat and moisture during the summer and a cool and dry place during their resting season in winter. Those four kinds are the best and cheapest for commercial purposes, although there are many others which may be grown with profit, for instance, D. crepidatum, D. crassinode, D. Devonianum, D. densiflorum, D. fimbriatum, D. thyrsiflorum and others.

Vanda cœrulea is very useful for winter cutting, producing long-branched flower stalks with delicate lavender-blue flowers. Because of its color it is very valuable for commercial purposes, it being the only one of its shade. The temperature in the Cattleya labiata house is just right for the vanda, which succeeds best if grown in baskets suspended from the roof, thereby also economizing room, so much needed for other things.

BEGONIA BUISSON ROSE.

Lælia anceps, L albida and L. autumnalis, all Mexican species, are rich flowering, salable sorts, which can be grown to advantage in baskets. They demand a moderate temperature, and therefore succeed well in the coolest part of the cattleya house.

Cymbidium eburneum is a fine white flower of good substance and blooms in rich profusion. No doubt this will become very valuable when better known. It has not yet been grown commercially to a very great extent. It wants a modest, airy temperature and plenty of moisture about the roots.

Cœlogyne cristata is a very fine white flower, with a yellow center. It is said of this orchid that it has not given full satisfaction. My experience has been that if grown rather cool and not allowed to become too wet, it will bloom freely, and its right place is with the cypripediums. It is valuable for table decorations and keeps, when cut, for a long time.

The phalænopsis family contains several splendid species, all worthy of commercial culture and paying well when a warm, moist and in all respects suitable house is provided. P. Schilleriana, P. amabilis and P. Stuartiana are among the best.

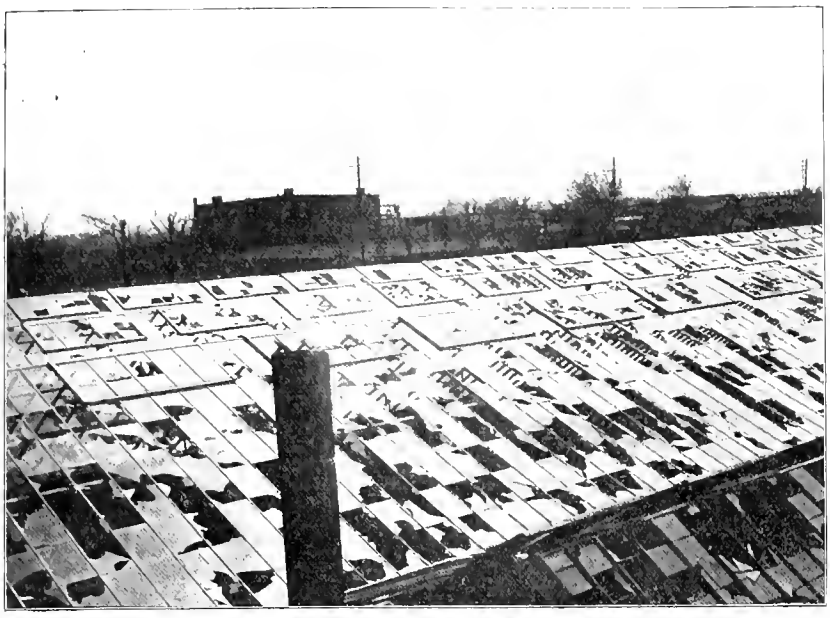
Lycaste Skinneri is the best of its class, and good for the local market, but easily spoiled in the packing Because of its easy culture, it has been called the "amateur's favorite."

Odontoglossum crispum gives us the most varieties for the commercial market and is therefore the best. I am sorry to say that this noble plant has often been found difficult to handle. It grows wild on a very high elevation of the Andes, where the atmosphere is damp and the temperature seldom rises above 60°. This, its natural climate, is hard to imitate and the plants suffer therefore from our hot summers. It is clear that a special house should be provided for this plant. Face it north, shade it from the sun, keep it moist, with low temperature and your plants will succeed admirably. Odontoglossum grande is another good kind, with very large yellow and brown flowers. The market is, as yet, limited to a certain extent, but it is worthy of culture for variety.

Miltonia Rœzlii is a very desirable sort, for which good prices are obtained. It wants plenty of moisture about the roots and a warmer temperature than the majority of its relatives. The flowers are very large and effective, almose pure white, with purple and yellow towards the bottom.

Oncidium varicosum and its varieties are all good fall-flowering kinds. The flowers are produced on long, overhanging branching shoots, not unlike a gigantic adiantum frond. O. splendidum and O. tigrinum are valuable for the late winter months, with their large yellow and brown flowers. They will, like O. varicosum, grow well with the cattleyas during their growing period, but want a long rest in a cool house when their flowering period is over.

The cypripedium is easier to propagate by division and seeds than most other orchids. We have at the present time only a few varities of commercial value. C. insigne, C. barbatum, C. callosum, C. Boxalli, C. villosum and C. Lawrenceanum are among the best. Here is a great field open for the thoughtful and skillful hybridist, who may be sure of success, in view of the splendid results already obtained. Some of the hybrids



HAIL-WRECKED GREENHOUSE OF HEIM BROS., BLUE ISLAND, ILL.

are costly in themselves but mother plants can always be had at moderate cost, and after a few years hundreds of growths may be had at little trouble and small outlay.

A noted orchid expert once exclaimed: "Just fancy a house full of Cypripedium Morganæ," which is a cross between C. superbiens and C. Stonei. Just think of it, with its long robust stems, each one crowned with three or four indescribably beautiful flowers, and that will give us some idea of what might be accomplished.

Although most of our orchids, with few exceptions, may be grown in almost any greenhouse, it is claimed by orchid experts that a full span house from the north to the south is best. It should be constructed so that the water from the outside may easily run off and all drip by condensation during the winter be prevented. A three-quarter-span house to the south is sometimes used, but these become too hot and more ventilation must be given. This in turn exhausts the moisture so necessary for successful orchid culture.

In conclusion I wish to say to the retail florist, always try to keep a few orchids in a conspicuous place in your store, and show them to your customers, and by having different kinds from time to time I am sure the public in general will soon become interested, and you will build up a trade equally profitable to yourself, the grower and the flower loving public.

Two New Begonias.

The two new begonias herewith illustrated are being distributed this season by Victor Lemoine, of Nancy, France, to whom we are indebted for the pictures and descriptive particulars.

BEGONIA PERLE LORRAINE.

Begonia polyantha crossed by B. dædalea, a winter-flowering, foliage, variety, has given us this novelty which may be truly called a pearl. The plant often reaches a height of three feet or over, with branches as thick as the finger, very much thickened at the joints. The stems are of a bronze green color, branching naturally from the axils of the leaves. The leaves are of medium width, oblique, a little longer and more uniform than those of B. dædalea and of a beautiful emerald green, dotted and spotted with black on the upper surface, clear green, stained with rose on the under surface. It flowers in early January in loose panicles of thirty or forty two-petaled flowers, white or delicately shaded with rosy pink, remaining on the plant in good condition for over a month. When the flowers are fully developed the plant appears as if covered with a mantle of snow. The flowering season lasts from early January until the end of April. This plant has the exceptional merit of uniting grand flowering qualities with beautiful foliage and by the persistence and long season of its bloom bids fair to equal B. Gloire de Lorraine in popular favor.

BEGONIA BUISSON ROSE.

This is a hybrid of Begonia diversifolia, which flowers all summer in the full sun, crossed by B. polyantha, which is a winter flowering variety. It has a large fleshy rhizome and grows to a height of not over two feet, flowering about the end of August in the open ground. If lifted in the fall and placed in the greenhouse it continues in flower up to January. The branches are of medium diameter, thickening somewhat at the joints. The leaves are small, narrow, strongly oblique, clear green in color, sometimes bordered with rose. It flowers as freely as B. diversifolia, the flowers appearing in clusters of three or four from the axils of the leaves. The male flowers have five large petals of the same shape and color as the female plant, carmine rose with yellow anthers. The plant is excellent for pot culture and valuable for blooming in the houses when the tuberous varieties are gone, during the chrysanthemum season.

Hail's Destructiveness.

The accompanying illustration shows a section of one of the greenhouses of Heim Bros., Blue Island, Ill., which was wrecked by hail April 25. This was not an antiquated structure with the old-fashioned thin glass. It was a new house built last year in modern style and glazed with new 16x24 double A glass. The reader will do well to reflect upon what a similar disaster would mean to him. We cannot regulate or predict these hail storms, but every greenhouseman can prepare for them by joining the Florists' Hail Association. John G. Esler, Saddle River, N. J., is the secretary.

English Plant Notes.

The Royal Horticultural Society's fortnightly meetings at London attract a great number of visitors, and exhibitors are also more numerous than formerly. It is quite evident that these meetings are becoming more and more important and a great center of interest to all connected with horticulture. At one time it was suggested that these meetings should be confined to the consideration of new or special subjects only, but it was found difficult to draw the line. At present we get a really good flower show every fort-

BEGONIA PERLE LORRAINE.

night and if space would allow the display at most meetings would be even greater. That a new hall is of far greater importance than a new garden is now recognized by many who formerly were much in favor of the garden.

Hardy deciduous flowering shrubs have again been very prominent. Standard wistarias were seen in fine form at a recent meeting, also laburnums, cratæguses, double cherries and other things. In grouping these standards have a fine effect, but at present they have not come into such general use as they deserve. No doubt we shall see more of them in the future than we have in the past.

Of new roses Lady Roberts is a most promising variety and should prove a leading market sort. Queen Alexandra, which Messrs. Veitch & Sons showed so well last summer, does not appear to force so well as Crimson Rambler. It may do better with some, but those which I have seen growing side by side with Ramblers have not done so well, the flowers being small and thin and not of a good color.

Daffodils have been very prominent and new varieties numerous. The new white trumpet variety, Peter Barr, is certainly the gem of the season, and a most perfect flower. King Alfred is a grand yellow, Glory of Noordijgh, an immense flower of the bicolor section, and Queen Emma is another grand new variety of the same section. Of other promising varieties noted Weardale Perfection, Lucifer, Queen Alexandra, Lady Audrey, Beauty and Cormorant were among the best.

Hippeastrums have been very good this season and some new varieties of great merit have been exhibited. They are not everybody's flower perhaps, but those who make a specialty of them find they are much appreciated by visitors. During the past few years they have done them well at the Royal Gardens, Kew, and Mr. Watson, the curator, tells me that there are few flowering plants that attract more attention from visitors than a group of these showy flowers. At the time of my visit a few weeks ago there was a fine lot in the show house and Mr. Watson showed me what they had for succession. These are grown in a department not open to the general public. I may say it would be difficult to find a more promising lot of plants.

The flowering house at Kew is always interesting, and since they have kept the various subjects in groups it gives a better effect than when dotted about. Cinerarias were well represented, both in the best florists' varieties and in the cruenta, or stellata, type. These tall, loose-growing forms are now very popular. In begonias there were some examples of the old B. manicata and other allied species, B. Verschaffelti being particularly fine, with large leaves, and the tall spikes of bloom of a deeper pink; B. hydrocotylifolia and B. pruinata, pure white, with closer trusses of bloom; these are all worth attention. Mr. Watson has given a good deal of attention to the species of begonias and has shown that some of the older species under good treatment are well worthy of attention and equally valuable as decorative plants.

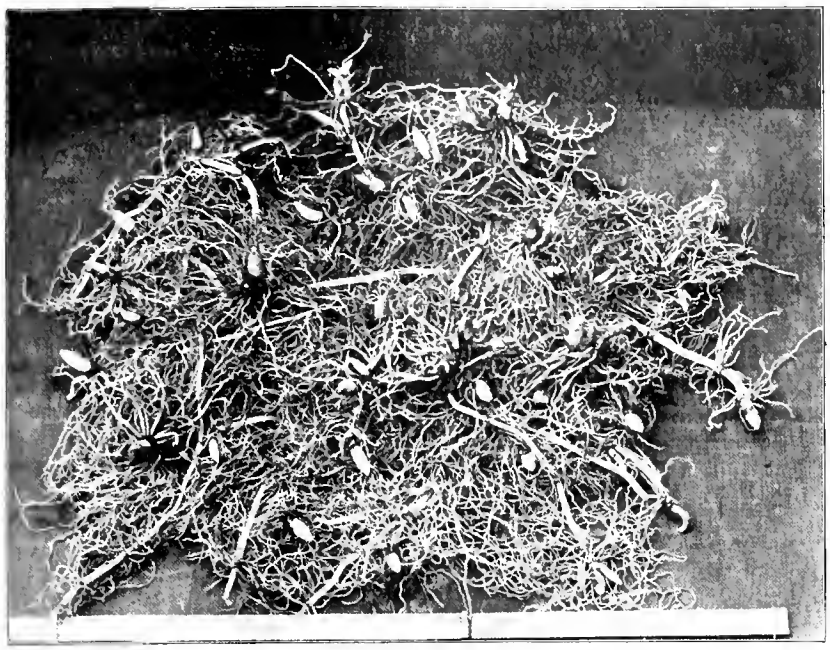
For some time cut blooms of orchids have been fairly plentiful in market, but pot plants are not often seen this season. However, there have been a good many well flowered dendrobiums in 5-inch pots. I do not know what prices they brought, but being packed in boxes, a dozen plants in each, would suggest that prices would not be prohibitive. Growers generally complain of dull trade, though all are looking forward to having a busy time when the coronation festivities begin. Roses and lily of the valley seem likely to be most in demand, but as floral decorations will be carried out more extensively than ever before there will be a big demand for all useful material. In bedding, red, white and blue will be the prevailing colors, and emblematic designs in carpet bedding will be a great feature, especially in the public parks. H.

DEFOLIATED FLOWERING SPRAY OF POLYGONUM CUSPIDATUM.

Shrubby Spiraeas for Forcing.

For some years now we have been accustomed to force Spiræa confusa or media for the greenhouse early in the year, and very pretty it is under such conditions, the slender wiry shoots, glaucous green leaves, and flattened clusters of white flowers, plentifully produced, forming a pleasing feature, says a correspondent of the *Garden*. Though one of the best it is by no means the only species suitable for this treatment, as Spiræa Van Houttei, a hybrid between S. media and S. trilobata, is as good. This spiræa (Van Houttei) is one of the most beautiful of all the outdoor spiræas, but it too often falls a victim to spring frosts to attain a high position here, though in the United States of America it is regarded as one of the finest members of the genus.

S. prunifolia flore-pleno flowers naturally early in the season, hence it may be readily forced. It is, however of large growth, and is only effective in the shape of a fair sized bush, but in that state is delightful, the long, slender, arching shoots being studded for a considerable portion of their length with rounded clusters of pretty, rosette-like blossoms, which are of the purest white, and in direct contrast to the dark colored bark. As there is only one other double-flowered spiræa of the shrubby section (S. Reevesiana flore-pleno), the species under notice attracts attention from that circumstance alone. As a shrub in the open ground, S. prunifolia flore-pleno is delightful when wreathed with flowers in the spring, while the leaves in autumn die off brightly tinted with scarlet. Within the last three or four years S. arguta has made great headway in popular favor as an outdoor shrub, and it is also equally valuable for flowering



LILY OF THE VALLEY PIPS GROWN BY GROBBA & WANDREY, MIMICO, ONT.

under glass. It forms a freely branched bush from three feet to four feet high, while the thin wiry twigs of the preceding year's growth, on which the blossoms are borne, are gracefully arched. The flowers themselves are pure white, and arranged in flattened clusters. The roots are of a free and tufted nature, hence the plants can be lifted and potted with but little check. S. arguta is of hybrid origin, the parents being S. multiflora and S. Thunbergi. All the spiræas enumerated above can be obtained cheaply from most nurseries.

Canadian Lily of the Valley Pips.

The picture shows a clump of lily of the valley pips as grown by Grobba & Wandrey, of Mimico, Ont. These pips were planted three years ago and the picture shows for itself what the plants have done in that time. Considerable of this lily of the valley has been forced the past season and it produced a well filled spike with bells a little larger than on the imported stock. H. G. D.

A Useful Perennial.

Bailey's Cyclopedia sanctions the name which Willem H. de Vriese gave to the subject of this note, Polygonum Sieboldi, but it is everywhere known in the trade as Polygonum cuspidatum, Siebold & Zuccarini. It is a strong, handsome bushy perennial, the stalks dying to the ground in winter, but the plant is hardy, for it has withstood winters in which the pæonia has suffered. The stalks are from three to five feet in good soil, and the stems very graceful. For backgrounds in many situations it is more ornamental than shrubbery. Polygonum cuspidatum increases rapidly by its underground stems or suckers and for this reason it should not be put in small beds where less vigorous growers are expected to thrive. It is a fine subject when given room to shift for itself. The spring growth is rapid and the blooming period is in July, August and September. The flowers are white, resembling Spiræa Japonica, and are numerous, along the stem between the leaves. The sprays are useful for florists' work after being defoliated. The flowers last well in water and may be utilized attractively in many ways. The spray shown in the illustration was four feet long.

C. B. W.

Killing Weeds.

The best way to kill weeds is to dig them up with the hoe. In the case of quack grass it is safe also to put the weed in a blazing fire after it is dug up.

A good many men have worried their heads over the invention of a chemical weed killer. If one could take some agreeable medicine for weeds, as he does for ague or that spring feeling, it would be a great relief from hoeing and plowing.

The botanist of the Vermont Experiment Station, who is an expert in such matters, says this sort of medicine will work in some cases. Gravel walks, drives and tennis courts, for instance, can be kept free from weeds by the use of certain chemicals. Compounds containing arsenic seem to be far superior to other chemicals. The trials made at the Vermont station have included salt, copper sulphate, potassium sulphid, kerosene, carbolic acid, sulphuric acid.

The arsenical compounds tested were as follows, named in the order of their merit: Henderson's fluid weed destroyer, arseniate of soda, Smith's weed killer, arsenical-sal-soda mixture. In choosing between these, cost, convenience and effectiveness are to be considered. The cost is as follows, using eight gallons to the square rod: Henderson's weed destroyer, 40 cents to the square rod; arseniate of soda, cost 11 cents a square rod; arsenic-sal-soda mixture, 8 cents a square rod.

The arseniate of soda seems to be best for general use, especially when the expense is considered. For killing weeds in lawns or similar places where it is desired that useful plants shall occupy the treated soil as soon as possible thereafter, crude carbolic acid is the most generally useful chemical, since it is prompt in its action, and does not permanently poison the soil. Sulphuric acid comes next, but it is less penetrating. Its only advantage as compared with carbolic acid is that it is not malodorous. Common salt is inferior to any of the above chemicals for miscellaneous weed killing.

Greenhouse Building on the Coast.

The florists of the Pacific Coast are enjoying a period of prosperity in keeping with the eastern craftsmen and are keeping in perfect step with the times. Not in many years has so much greenhouse building been under way, and in general the houses are modern in character and conveniences. The industry is developing rapidly in the west and supply has not been up to the demand. Notes of some of those who are enlarging their facilities follow:

The Redondo Floral Co., of Los Angeles, is building three houses 20x210 for roses, carnations and bulbous stock. The place is about fifteen miles from Los Angeles, at Redondo, reached by a railroad owned by the same people. A. F. Borden is the manager. It is the first time roses and carnations have been tried under glass here to any extent and Mr. Borden has engaged Mr. Turner, formerly with the

POLYGONUM CUSPIDATUM IN THE BORDER.

J. M. Gasser Co., at Cleveland, to conduct the experiment. All the stock, too, has come from the east. Martin Wolfskill, at Redondo, is also building three houses and expects to put them in carnations.

At San Francisco, Ferrari Brothers, who are very much up to date, are building a range of twelve houses each 20x200 feet, making one of the largest places on the coast. They grow mostly for wholesale trade and produce roses, carnations and bulbous stock of best grade.

Louis Chiappari, who is classed as "a good fellow" by his contemporaries, is enlarging his place by building ten houses 20x110. He will also rebuild two houses. Mr. Chiappari, who is one of the oldest florists in San Francisco, grows a general stock and disposes of most of it at wholesale.

F. Gonzalez, of San Francisco, is building two houses 18x150. He gives most of his space to ferns and general plants and will use the new space for bulbous stock.

Serveau Bros., of San Francisco, are adding two houses. They are growers of a general stock and also produce large quantities of ferns, especially Adiantum cuneatum. They have a fine retail trade at their store on California street.

C. W. S.

CHRYSANTHEMUMS.

SPECIMEN PLANTS.

Our plants are now in 8-inch pots, and about the middle of June they will go into 10-inch and 12-inch sizes. Some of the newer varieties, which came in April, are a stage behind. The most promising of these we have put into 6-inch pots and by frequent shifts they will make good specimens. "Tens" will be their final size. In all our shifts, we calculate to have the soil rich enough, and do not use any stimulants until the plants are well advanced, say in August.

Plants which have not been put into intermediate sizes, and are now in "sixes" and "sevens," may go into "tens" at any time. We take extra care in our soil and potting at the final stage. We prefer a light loam; the plants are easier to manage. In heavy soil, when they get root-bound they often become waterlogged, a most dangerous condition. When using heavy soil, we have had water stand in the pots for an hour or longer, and have had to bore holes in the sides near the bases to relieve them.

Old mortar rubbish is a very good ingredient for lightening the soil, furnishing at the same time a necessary food constituent. In a light soil air-slaked lime will answer this purpose equally well. In using charcoal, we prefer to place a layer over the crocks, which acts partly as drainage and as a filter. Any plants which happen to be dry at potting time are soaked and, if this is done thoroughly, no watering will be necessary for several days beyond enough to settle the soil. It is easy to give too much water at the outset.

Pinching must continue. No shoots must be allowed to get hard. They always break better when soft, besides, they are kept dwarfer. Pinching should always be done with the object of getting a well-balanced foundation. We must not be discouraged because some varieties will persist in making flower buds; they will grow out of it.

Black aphis and thrip must be followed up. Some tobacco compounds, with disolved soap as an auxiliary, we have found effective. Mealy bug sometimes becomes a nuisance, especially late in the season, when it gathers about the flower buds. We have kept our stock comparatively clear of fungoid diseases, by weeding out varieties liable and promptly burning them. We have used sulphonapthol, a tablespoonful to a gallon, with very good results. But no matter what we do, an affected plant will remain so through the season; probably the only benefit we obtain, is keeping other plants free. T. D. HATFIELD.

New Jersey Floricultural Society.

At the monthly meeting of this society at Orange, N. J., on May 5, J. B. Davis entertained the members with an informal talk on his recent trip to the Mediterranean and Egypt, and the exhibition of over 100 photographs of scenes he had visited. In Constantinople he was impressed, he said, with the cypresses, in Palestine, the olives, and throughout this entire region, the palms. Other noticeable features of the gardens were the sycamore fig, introduced from India and a variety of eucalyptus from Australia, used as shade trees, also mulberry, acacia, tamarisk and ficus and among cultivated flowers he enumerated roses, freesia, clerodendron, camellia, genista, hibiscus and so forth, all grown in the open.

In Constantinople the only attempt at gardening observable was in the case of shrubbery used as a screen in connection with high walls and at Maderia, Gibraltar and Malta there was entire absence of skillful cultivation as it is understood in this country, while in Algiers it is seen only in connection with the country residences of foreigners. In Egypt an erroneous idea that Nile mud would grow anything had led to much disappointment in cultural enterprise and where any gardening is attempted most of the labor is confined to irrigation, the channels for which disfigure the beds and give an unfavorable impression to eyes accustomed to trim neatness.

He was glad to note, however, that throughout the Orient a general awakening in regard to municipal improvement is in progress. The public parks in many cities are tastefully ornamented with statuary and fountains and imported trees are made use of in an attempt at effect in landscape adornment. In point of scenery and pictorial effect the parks of Rome and Naples take the lead, while in cultivation the advantage is held by Monte Carlo. In Greece large sums are being expended in an effort to restore the artistic surroundings of antiquity. Around the Acropolis and in the restoration of the Stadium a million dollars have been spent, the gift of one man. The university and museum have park surroundings and where the closeness of the houses forbids the luxury of a courtyard the flower love of the people is evinced in the use of balcony gardens.

Organized flower trade is in evidence in Cairo, the season being, however, very short during which there are any social affairs calling for the use of flowers. There are five establishments all with attractive window displays, where carnations, roses and violets are obtainable and this is the only place on the southern Mediterranean where an American is reminded of home.

ELGIN, ILL.—George Souster reports this a most active season, with bedding out under full headway.

WITH THE GROWERS.

WILL & SON, MINNEAPOLIS, MINN.

People in general are not apt to look to the northwest for a model in greenhouse building or modes of culture, but we believe that right here in Minnesota we have one of the finest carnation establishments of the country. I refer to the new range of Fred. Will & Son, erected the past summer and located just outside Minneapolis city limits.

This firm has been in the business for a number of years in a small way, and last summer erected the present range of six houses each 28x110 feet, containing in the aggregate 22,500 square feet of glass. Unfortunately a heavy hail storm broke nearly half the glass as soon as laid and just when they were ready to plant the carnations. Their plants in the field were nearly ruined, but the best were saved, new plants obtained and the houses planted late in the season. To-day they are a mass of buds and bloom and the finest lot of plants to be seen anywhere in the vicinity.

The varieties grown are Lawson, Guardian Angel, Marquis, Mrs. Joost, Mrs. Bradt, Crane, White Cloud, Lorna, Norway and a few Chicago. Next season's planting will include all of the above and in addition Queen Louise, Mrs. Potter Palmer and Gold Nugget. Prosperity seems to be a dismal failure here, where all the other varieties are doing so nicely. The bench of Lawson is a wonder. Guardian Angel has done nobly and is profitable. Marquis is most beautiful as well as prolific and will be largely planted again. Mrs. Joost has done very well. Mrs. Bradt is a nice bloomer and profitable if the demand were only larger. Crane is the standard red and White Cloud the standard white.

A large boiler room and cooling room occupy the basement, which is cemented throughout. The gutters are all drained into a cistern. A nearby brook supplies water to the boilers, while a gasoline engine pumps it for sprinkling purposes. Forty acres of land adjoining the greenhouses give ample room for expansion.

Several hundred pæonias have been planted with the idea of supplying the market with cut blooms, for which there is a good demand during the season.

FELIX.

Herbaceous Plant Notes.

For several days after the late severe May frosts many of our spring flowering hardy plants looked as if their beauty had been destroyed for the season, but most all of them recovered and are now blooming freely as ever. The expanded flowers of irises turned black and we feared that the buds also had been destroyed, but were agreeably surprised to see them come out in fine shape, so that no signs of any damage are visible to-day.

The aubretias lost all their flowers for a time, but are a mass of color again. The dwarf phloxes do not show now that all their bloom had turned brown at the time; flowers are so thick on them that hardly a sprig of green is visible. P. divaricata, the blue phlox, has come out since. Doronicums are again in fine shape, and epimediums, though some of their soft young foliage suffered and is disfigured, are blooming profusely.

The arabis in open sunny spots was about past its best when the frosts occurred, and although they still bear a good many flowers on the tips of the stems, their efforts to conceal the effects

AN ANCHOR MADE FROM MISCELLANEOUS MATERIAL.

of the freeze are not very successful, but in more sheltered situations they are still good. I should mention here that A. albida fl. pl. in exposed, sunny positions has not lost a single petal and is as thickly covered with bloom now as ever. It is a few days later than the single varieties, opens out slowly, but the flowers seem to last much longer.

The plants acted in the same way last year, flowering two to three weeks after all other varieties had finished. The flowers are borne on stouter and more branchy stems, forming compact little panicles of miniature, stock-like, very double flowers and are very attractive. When better known, this plant will undoubtedly become a universal favorite, not only because it is such a persistent bloomer, but on account of its neat, compact habit. The stems do not shoot up, showing unsightly seed pods, the side branches, with their flowers, hide the main stems effectually and, aside from this, each individual flower lasts at least twice as long as they do in the single species, thus giving the impression of a still more profuse bloomer, though in reality the singles may perfect almost double the number of flowers on a stem. It is a good thing, one of those which we may recommend without the slightest hesitation.

Vesicaria urticulata is fully out now, a mass of golden yellow, erysimums are at their height and Cheiranthus alpinus is very showy, with its larger flowers of the same color. All three grow luxuriantly in very dry spots. The first and last named are very serviceable as cut flowers.

Aquilegia flabellata was the first of the family to show up. The substantial flowers may not be as graceful as the slender-stemmed and long-spurred species, which come on later, but I always admired its stout, compact habit and also the waxy perfect-shaped flowers, which appear so very early in the season.

Corydalis lutea lost all its flower spikes by the late frosts, but the damage is not noticeable now. Dicentra formosa and the dwarfer D. eximea were struck by the same misfortune but recovered speedily. Arenaria grandiflora and A. montana have opened their first large white flowers on the young branchlets rambling over stones in the rockery; in the field, in common soil, it seems to be a trifle later.

Anemone nemorosa and A. nemorosa fl. pl. were not hurt by the freeze; both are still blooming as profusely as ever and the dwarf Myosotis rupicola, the Swiss alpine perennial forget-me-not, continues in excellent shape. Its large, yellow-eyed flowers of deepest sky blue seem to delight in the cool atmosphere.

Stellaria Holostea is fully in bloom and so are the various varieties of Ajuga reptans, the candytufts and the blue and white Viola cornuta, Polemonium reptans and the large, saucer-shaped P. Richardsonii, together with the graceful P. dissectum are out. The other taller varieties and species will follow in a few days. Some of the primulas are now past their best, but auriculas are still in excellent condition and have done better this season than ever before.

The trolliuses did not mind the frost. The dwarfest of them, T. patulus, pale straw-color, comes out earliest and is a profuse bloomer. The darkest orange of all, to my knowledge, is T. Japonicus, a very large flower and easily managed. Among the armerias I ought to mention the dwarf A. juncea. In color it rivals the deep pink A. Laucheana, flowerheads fully as large as in that variety.

Helianthemums are flowering profusely now, and linums, and centaureas in blue, white, pink and lilac are well out. Cerastiums and Anemone sylvestris are fine. Among the alyssums A. serpyllifolium is noticeable from far off. It looks like a yellow sheet spread over the ground. Mertensia Sibirica is hardly in full bloom yet, while M. Virginica is about past with us.

The dwarf, loose spiked Veronica Chamædrys is a most attractive little plant for the rockery or border, being so early. Dodocatheons are furnished with numerous large, compact heads of flowers. They will retain their beauty much longer in a partially shady position. The anchusas are also out. A. Barrelieri is probably the neatest among them, being rather free and dwarfer in habit.

J. B. K.

French Growers Lose Money.

With regard to the state of the flower trade in France a correspondent familiar with the situation in the vicinity of Paris writes:

There has been a glut of flowers and florists' plants on the market throughout the winter in consequence of the mild weather, and prices ruled pretty low. The flower forcers around Paris are far from having made any money. Forced lilacs could not be disposed of at a higher price than 25 cents per bunch of twelve panicles, and when we consider that from two to three shrubs, worth over 25 cents, are required to produce these twelve panicles, the forcing can only have resulted in a loss. The same is true of the rose forcers, who at best sold their finest flowers at from $2.50 to $2 80 per dozen.

PORT HURON, MICH.—C. W. Asman has opened his new flower store on Huron avenue.

Chicago.

HOT WEATHER AT THE BEGINNING OF THE WEEK BRINGS A DELUGE OF STOCK.—EVERY ITEM IN OVERSUPPLY.—QUALITIES DETERIORATE AND VALUES BADLY UNSETTLED.—A CHANGE TO COOL MIGHT MEAN A SHORTAGE.—THE QUESTION OF NECESSITY OF STREET SALESMEN.—MANGEL HAS FINE STORE.—OUTDOOR WORK PROGRESSING.—VARIOUS NOTES.

Seldom if ever has this market been in so deplorable a condition as at present. Never were receipts heavier, seldom was buying more listless and rarely have values been so unsettled as at the present time. There is quite a little shipping business, but it isn't the comfort in time of need which it usually is, for stock has so deteriorated in quality under the influence of midsummer temperature that it is difficult to give satisfaction to buyers at a distance. Not only does it require much careful sorting to pick out material which will stand a night's journey, but the price affords dissatisfaction to the buyer; he thinks it should be lower with a glutted market. The matter of fact is that in each thousand roses there are 100 worth good money, 200 salable at a cheap price and 700 which can scarcely be moved at all. The growers complain at the averages. Some of the wholesalers charge the overburdened state of the market to the absence of the curbstone salesmen. Archie Spencer says that those whose efforts resulted in ousting the fakirs argued to the wholesalers that it would make no difference whether they sold all the cut or half of it for the same money, but it seems to work out that the best end of the cut sells for less than it did before and the balance doesn't move at all. On the other hand E. E. Pieser says he thinks the absence of the Greeks from the streets makes little difference. They are nearly all located in some sort of nook or corner and buying about as much as ever. He thinks this is just a spring shower of flowers, one of those sudden downpours which come with the first hot days of summer, and that the business skies will soon clear. Certain it is that a turn to cold, such as would not be unusual at the season, would shorten the cuts materially, for the hot days have rushed out the buds and most of the stock coming in is either very tight or very open. A cool wave of several days' duration would be not unlikely to see a pretty bare market for Memorial day. For the timebeing, however, everything is as badly overstocked as are the tea roses. Beauties are crowding the ice boxes and the counters are loaded down with carnations. Sweet peas are proportionately abundant and many of them are very good. Swainsona is cheap and outdoor valley, also. The only item which is not suffering greatly is the pæonia, for a good many of these are being carefully wrapped up and put in the freezer. They will make their reappearance after the crop is off. Lilac is at an end and so is outdoor bulbous stock.

A committee representing the wholesale and retail florists waited on the school-management committee of the Board of Education May 22 to urge that the measure prohibiting the use of flowers in the public schools be rescinded. The effort met with but little success, so far as the present season is concerned, but E. G. Cooley, superintendent of schools, explained that the order of last year was misinterpreted, as it does not prohibit the use of flowers in the schools. The idea appears to be to escape, on the part of the attendants, the small amount of work involved in the delivery of the flowers to individual pupils and to prevent the jealousy which it is said arises when the children of the wealthy receive elaborate bouquets while those of the the poorer classes are remembered with comparatively inferior flowers and fewer of them. The friends of the pupils may supply as many flowers and plants as they like for general display in the schools during the exercises and the pupils are permitted to wear flowers.

John Mangel has wrought a transformation in his new Wabash avenue place. The interior has been embellished with excellent taste and the place is full of well arranged plants which overflow upon the sidewalk, two fine bay trees standing at the carpeted steps. Mangel says that he doesn't have quite as many customers as at the old stand at State and Washington but that it is a better class of trade.

Outside work has taken a spurt this week and much bedding has been done. There promises to again be a shortage of good geraniums and $8 per hundred is the wholesale price for anything worth having.

One of Amling's growers sent in a big Boston fern this week, one of the finest seen in town. Mangel has it now in his display, with a sign on it: "The new Boston fern. Isn't it a beauty?"

The ferns will be all out of storage by Decoration day. A good many of the cases still remaining are opening up in bad shape and the loss is cutting a hole in the profits.

The third annual spring encampment of the employes of Vaughan's Seed Store will be held at Western Springs, May 25. The train will leave the Union depot at 11:40 a. m.

The Kroeschell Brothers Company will supply and do the fitting of the heating apparatus for the Thompson Carnation Company's new houses.

It was a graceful act on the part of many of the local growers to tender the Blue Island victims of hail fresh supplies of stock.

While the weather lately has been bad for cut flowers, it has been fine for stock in the fields and everything is doing nicely.

E. C. Beatty, of Oil City, Pa., was a visitor this week, returning from Arizona, where he had been on a business trip.

Cape jasmines are coming in but have not found much favor this week. They will doubtless be in demand for Memorial day.

O. W. Frese says that not since the memory of man runneth not to the contrary has the market been so dull.

From the amount of aster seed sold this spring there should be no shortage of these flowers this summer.

N. J. Wietor has been in Wisconsin on a fishing trip and had his usual good luck.

Wietor Brothers are already cutting a few Beauties from young stock.

J. N. Jakobsen is now with E. J. Taylor, at Southport, Conn.

Andrew Miller is in California for his health.

Visitors: Geo. Souster, Elgin, Ill.; J. J. Van Leuven, Brighton, Mich.; C. L. Niednagel, Evansville, Ind.; G. W. Martin, St. Elmo, Ill.

DAYTON, O.—The Miami Floral Company has been incorporated to do business here. The capital stock is $5,000 and Charles E. Pease is back of the enterprise.

New York.

TRADE STILL DULL.—RECEIPTS CONTINUE LARGE IN ALL LINES.—BEAUTIES DOING BETTER THAN LAST WEEK.—OTHER ROSES SUFFER.—CARNATIONS EXCELLENT IN QUALITY.—PLANTS AT BOTANICAL GARDEN SHOW MUCH IMPROVEMENT IN A YEAR.—PARKER HAS NEW DEVICES.—VARIOUS TRADE NOTES.

This week it is again the same old story of little doing. The retail cut flower trade is fair in spots, but the production at present is so heavy and there are so many wholesale markets among which the demand has to be divided that the wholesale trade seems to be almost at a standstill and the receiving and housing of the flowers furnishes the only incentive to activity. American Beauty roses are doing somewhat better than they did last week but small roses are to be had very cheap. The local supply of lilac is at an end and, pretty as it is, nobody seems sorry. Carnations continue plentiful and good, with no advance in value. Field grown lily of the valley is at its height and of good quality. Sweet peas sell well and average as fine as ever offered in this market. Snowballs are now in, following closely upon the lilacs. They are fully a week ahead of their usual time.

The members of the craft were pained to hear of a serious accident which befell Louis Schmutz, of Flatbush, on Wednesday evening. He was struck by a runaway team, both legs being broken and other serious injuries inflicted. He is an active participant in all the social affairs of the Flatbush boys and is one of the most popular of the coterie. He had only last week made his re-appearance at the weekly bowling matches after a long absence occasioned by a severe attack of rheumatism. After the accident he was removed to the Brooklyn hospital. His condition was pronounced precarious, but if well-wishes are of any avail his recovery will be rapid.

Visitors to the New York Botanical Gardens last week, on the occasion of the annual meeting of the Horticultural Society of New York, especially those who attended the meeting one year ago, were impressed with the greatly improved condition of the plants in the big conservatories. Last year many expressed disappointment at the showing made but on this occasion nothing but the most favorable comment was heard on all sides. The collections have increased greatly and considering the short time they have been under care here the plants are in excellent health and promise.

Theron Parker, the inventor of the Model carnation support, is now located at Harrison, N. J., in partnership with Mr. Bruen, of Madison, the firm name being Parker & Bruen. Mr. Parker has further displayed his ingenuity in a glazing point of improved pattern, which he is now putting on the market and for which a patent was granted May 6. A tomato support similar in design to the extension carnation support and a folding pea trellis are among the other specialties which the company will manufacture.

Frank Millang, Chas. Smith, Bonnot Brothers and W. H. Siebrecht have a continuous line of ice compartments and tables extending the entire length of one side of the Cut Flower Exchange. It is a very busy section of the market, not only in the early morning but during a good part of the day as well.

Margaret Kazis, 446 Columbus avenue, has been granted a discharge in bankruptcy; liabilities, $5,735.

Philadelphia.

CUT FLOWER TRADE ON THE DECLINE AND STOCK ACCUMULATING.—BEAUTIES IN HEAVY SUPPLY.—ALL ABOUT PREVAILING PRICES —ROSES IN POTS ARE SCARCE. —WANAMAKER HAS A SALE.—WHAT THE GROWERS ARE DOING WITH ROSES.—MEETING OF HORTICULTURAL SOCIETY.—PERSONAL AND TRADE DOINGS.

Business in the stores is falling off quite perceptably. There is plenty of stock of good quality, although Brides and Bridesmaids are beginning to show the effects of the long season. Beauties are as plentiful as ever. Joseph Heacock says his houses never looked better for this season of the year. He says that red spider is the worst enemy of this rose, particularly in the spring months. He fights it from the cutting bed on, for if it ever gets a good hold it will interfere seriously with the crop. Prices range as follows: Beauties, $1.50 to $2 per dozen; Brides and Bridesmaids $6 to $8 per hundred; Liberty $6 to $10. Carnations which are still good, and plentiful, bring $1.50 and $2; cornflowers $1 per hundred; sweet peas 35 cents to 75 cents per hundred; white and lavender centaurea 50 cents per dozen. Pæonias are in and sell for from 50 cents to 75 cents per dozen for the red varieties; in fact, this is now about the only color. Scott and Harris are both sending in gardenias; $12.50 is the price.

George C. Watson has returned from Boston and his manly bosom is a trifle more prominent in consequence. What he found out will be told in his own inimitable style at the next meeting of the club. He did say that the Philadelphia club's efforts to settle the name of the Balduin rose resulted in the Waban Conservatories selling all the available plants they had, which will be one atom of comfort for the committee, although they had no such intention in view. The Floral Exchange benched a few hundred of this rose last fall and are now cutting some very nice stock. The rose stocks for the coming season will be much the same as last, as most growers are duplicating their present assortment of varieties. Some will discard Liberty, while others will try it, being spurred on by the success of a few who seem to understand its nature. With Messrs. Mortenson and Fahrenwold, each of whom have had great success with Liberty, it will be planted again and in larger quantities. There will also be more Golden Gates, as with some growers it is quite profitable and quite a demand has been worked up for good blooms.

Roses in pots are scarce, that is, plants of any size. Robert Craig & Son, who are large growers and dealers, say they are at their wits end to get decent stock for their orders. Colflesh, Becker and Meckey, make a specialty of pot roses and are now all sold out of their large sizes. There are still some good Ramblers about, Harris having a fine lot. Wanamaker's department store had a sale of Ramblers last week, their price for strong 7-inch pot plants being 75 cents each. Their advertisement spoke of a large grower being "caught between seasons," consequently the sacrifice.

Professor Stewardson Brown, the botanist of the Pennsylvania Horticultural Society, delivered an address at the meeting last Tuesday evening on the influence of environment on plant variation, which was very interesting and instructive. The new fern, Nephrolepis "Anna Foster," was exhibited by L. H. Foster, of Boston. The variety is very distinct and beautiful. It seems a trifle more delicate than the Boston fern, but looks like a very fine thing and likely to prove a good commercial variety. There were also exhibited some very fine shrubby and hybrid calceolarias.

Robt. Craig stated at the last meeting of the Horticultural Society that the American Rose Society will hold its annual meeting in connection with the spring exhibition of the society next year, this being the first meeting that has been held outside of New York.

The rhododendrons in the park will be at their best for the next two weeks and will amply repay a visit.

Bedding stock is moving very lively and the prospect for a clean-up is very encouraging. K.

Boston.

CUT FLOWER TRADE STILL STAGNANT AND VALUES VERY UNCERTAIN.—CHOICE CARNATIONS BRING ONLY LOW FIGURES — GOOD SUMMER ROSES —WONDERFUL DISPLAY OF LILIES AT THE ARBORETUM — SEASON STILL FAR IN ADVANCE OF OTHER YEARS —VARIOUS TRADE DOINGS.

The sluggishness reported last week still prevails in the cut flower trade and is as pronounced as it is unusual for this season of the year. The most noticeable thing in the wholesale market, next to the general dullness of everything, is the quality of the carnations, that is the best ones. There are all grades of carnations and some lots are as disreputable looking as anything ever seen in this market, but, on the other hand, the fancy sorts are incomparably fine in every point; prize winners they would be at any exhibition, but their beauty seems wasted under prevailing conditions, for buyers are found with difficulty and it is impossible to get an adequate price for them. Roses do not hold out so well in quality and are selling very low in every instance. The summer favorites, Kaiserin and Carnot, are in evidence, quality all right if there were only some eager buyers. By this time next week, however, the tune will be changed and the Decoration day rush will be as pronounced as the present torpidity.

Everybody who comes to Boston at this particular season with any horticultural aspirations, finds a Mecca at the Arnold Arboretum. The present week is the gala week of the year, for the famed lilacs, of which nearly 150 species and varieties are represented, are at their best. The display is worth traveling many miles to see. Other showy subjects now blooming are the dogwoods, white and pink, the honeysuckles, hawthorns and many of the pyruses. Azalea Vaseyii is already past its best and the mollis and hardy Indica varieties are opening fast, the rhododendrons being the next in line. These latter as well as some of the early roses promise to be in bloom for Decoration day, an unusual circumstance.

The first pond lilies of the season made their appearance at Welch Brothers' this week.

Visitors: Timothy McCarthy, Providence, R. I.; H. S. DeForest, New York; Wm. Griffin, Thompson, Conn.; Julius Roehrs, Jr., Rutherford, N. Y.

CANONSBURG, PA.—J. B. Murdock & Co., of Pittsburg, have bought a farm here of 185 acres, paying $40,000. They will proceed with the erection of a range of rose and carnation houses to cost $25,000.

Meetings of Florists' Clubs.

The accompanying list gives the cities in which there are active florists' clubs. Following the name of the club is the place of meeting, the day of meeting, the hour and the name and address of the secretary:

BALTIMORE, MD.—Gardeners' Club of Baltimore, Royal Arcanum building, 18 W. Saratoga street. Second and fourth Monday of each month, at 8 p. m. John J. Perry, Sec'y, Gay and Eager streets.

BOSTON, MASS.—Gardeners' and Florists' Club of Boston, Horticultural Hall. Meets second Tuesday of each month. W. E. Fischer, Sec'y, 18 Union Terrace, Jamaica Plain, Mass.

BROCKTON, MASS.—Brockton Gardeners' and Florists' Club, store of W. W. Hathaway, Times Building. First and third Tuesday of each month, at 8 p. m. W. W. Hathaway, Sec'y, Brockton, Mass.

BUFFALO, N. Y.—Buffalo Florists' Club, 481 Washington street. Second Wednesday of each month, at 8 p. m. Wm. Legg, Sec'y, 1410 Delaware avenue, Buffalo.

CHICAGO, ILL.—Chicago Florists' Club, Handel Hall, 40 Randolph street. Second and fourth Wednesday of each month, at 8 p. m. George Wienhoeber, Sec'y, 413 Elm street, Chicago.

CINCINNATI, O.—Cincinnati Florists' Society, Jabez Elliott Flower Market. Second Saturday of each month, at 8 p. m. Geo. S. Bartlett, Sec'y, 113 East Second street.

CLEVELAND, O.—Cleveland Florists' Club, Progress Hall, 244 Detroit street. Second and fourth Monday of each month, at 8 p. m. Isaac Kennedy, Sec'y, Woodcliffe, Lake avenue, Cleveland.

DENVER, COLO.—Denver Floral Club, 323 Charles Block. Second and fourth Friday of each month, at 8 p. m. F. T. Rushmore, Sec'y, 2316 Franklin street.

DES MOINES, IA.—Des Moines Florists' Club, at various florists' establishments. Last Monday of each month, at 8 p. m. J. T. D. Fulmer, Sec'y, 702 Walnut street, Des Moines.

DETROIT, MICH.—Detroit Florists' Club, Cowie Building, Farran and Gratiot avenue. First and third Wednesday of each month at 8 p. m. J. F. Sullivan, Sec'y, 214 Woodward avenue.

HARTFORD, CONN. Hartford Florists' Club Second and fourth Tuesday of each month at 8 p. m. J. F. Coombs, Sec'y, 688 Main street.

INDIANAPOLIS, IND.—State Florists' Association of Indiana, Commercial Club rooms, Indianapolis. First Tuesday of each month, at 8 p. m. H. Junge, Sec'y, 456 E. Washington street, Indianapolis.

MILWAUKEE, WIS.—Milwaukee Florists' Bowling Club, Plankinton House. Thursday evenings at 8 p. m. C. C. Pollworth, Sec'y, 137 Oneida street.

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 street.

NEW YORK, N. Y.—New York Florists' Club, Elk's Hall, 19 West Twenty-seventh street. Second Monday of each month, at 7:30 p. m. John Young, Sec'y, 51 West Twenty-eighth street, New York

OMAHA, NEB.—Nebraska and Iowa Florists' Society, Fuller's Hall, Fourteenth and Douglas streets. Second Thursday in each month at 8 p. m. Louis Henderson, Sec'y, 1519 Farnam street, Omaha.

PHILADELPHIA, PA.—Florists' Club of Philadelphia, Horticultural Hall, Broad street above Spruce. First Tuesday of each month, at 8 p. m. Edwin Lonsdale, Sec'y, Wyndmoor, Philadelphia, Pa.

PITTSBURG, PA.—Pittsburg and Allegheny Florists' and Gardeners' Club, at rooms of Pittsburg Cut Flower Co., 504 Liberty street. Second Thursday of each month, at 8 p. m. T. P. Langhans, Sec'y, 504 Liberty street, Pittsburg.

PROVIDENCE, R. I.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street, Providence. Second Thursday of each month, at 8 p. m. Alexander Rennie, Sec'y, 41 Washington street, Providence.

RICHMOND, IND.—Richmond Florists' Club, Commercial Club rooms. First and third Friday of each month. H. C. Chessmann, Sec'y.

SAN FRANCISCO, CAL.—Pacific Coast Horticultural Society. First Saturday and third Monday of each month. Thos. H. Munroe, Sec'y.

ST. LOUIS, MO.—St. Louis Florists' Club, Odd Fellows Hall No 2, Ninth and Olive streets. Second Thursday of each month, at 3 p. m. Emil Schray, Sec'y, 4101 Pennsylvania avenue, St. Louis.

TORONTO, ONT.—Toronto Gardeners' and Florists' Association, St. George's Hall, Elm street. Third Tuesday of each month, at 8 p. m. W. C. Jay, Sec'y, 438 Spadina avenue.

UTICA, N. Y.—Utica Florists' Club, 183 Genesee street. First Thursday of each month at 8 p. m. J. C. Spencer, Sec'y.

WEST HOBOKEN, N. J.—North Hudson Florists' Club, store of H. C. Steinhoff, Hudson boulevard, West Hoboken. First Tuesday of each month, at 8 p. m. Geo. F. Kogge Sec'y, 616 Washington street, Hoboken.

THE AMERICAN FLORIST

SEVENTEENTH YEAR.

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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-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., Chicago.

THE bedding plant trade is coming fully up to expectations.

PROSPERITY has brought the best price all season in all the carnation markets.

THIS is a good time to put the greenhouses in shape for next season's work.

FROM the number of stems now being started it doesn't look as if the cycas was losing in popularily.

POSSIBLY there are better window box and lawn vase vines than the vinca, but the buying public doesn't think so.

SCHIZANTHUS WISETONENSIS, says a competent English authority, is one of the best novelties in the way of annuals sent out in recent years.

HE is taking an unnecessary risk who leaves his glass wholly unprotected from breakage by hail. The only sure protection is an insurance policy in the Hail Association.

THE mailing label on your paper shows when your subscription expires; when you send your renewal note that the date changes within two weeks; it will serve as your receipt.

THE present status of the American Beauty in regard to supply and demand is occasioning undue perturbation; it is faring better than any of the staples in this period of unusual oversupply throughout almost the entire country.

Greenhouse Building.

Union City, Tenn.—Mrs. I. S. Brown, conservatory.

Shadeland, Tenn.—G. R. Underwood, conservatory.

Whiteville, Mass.—Albert Burt, one house.

Randolph, Vt.—Burnell & Totman, enlarging.

Edgewater Park, N. J.—Joseph Gill, three houses.

Grandville, Mich.—George Conklin, three houses.

Strength of Black Pipe.

ED. AM. FLORIST:—I would like to ask through your paper if the common 1-inch black iron pipe is strong enough to support a greenhouse bench four feet wide with six inches of soil in the bench?

P. M. K.

When the soil is to be more than four inches deep the horizontal piping should be 1¼-inch and the vertical supports, which should be 1-inch, should not be more than four feet apart each way.

L. R. TAFT.

They Like Our Style.

AM. FLORIST CO.—We wish to congratulate you upon the style in which you set up our advertisement in your last issue. We are very much pleased with same and think it a very fine one.

J. D. THOMPSON CARNATION CO.

Special Notice.

Memorial day, May 30, falls on Friday. In order that our subscribers may receive their paper at the usual time it is necessary that the AMERICAN FLORIST go to press on Thursday night, twenty-four hours earlier than usual. Correspondents and advertisers will please take note.

Piping a House.

ED. AM. FLORIST:—I am building a house 24x64 feet, short span to the south, rafters fourteen and sixteen feet, side walls five and one-half feet, double boarded and paper between the boards. I want to heat with hot water. How many 2-inch pipes will it require to keep the temperature at 50° in zero weather?

C. L. A.

The house can be heated by means of three or four 2 inch flow pipes, and enough returns to make thirteen in all. Another way would be to use three 2½-inch flow pipes and nine 2-inch returns.

L. R. TAFT.

Treatment For Bougainvillea Sanderiana.

ED. AM. FLORIST:—Having some fine plants of Bougainvillea glabra Sanderiana in 4-inch pots left unsold, I would like to know the treatment to make them good plants for next Easter.

A. B. G.

I have been successful in producing fine bougainvilleas for Easter by the following method: Plant them out in the open ground any time during May, where they will get the full sunshine and nature will take care of them till autumn. Then, at the approach of frost, lift and pot them and put them into a greenhouse where the temperature can be kept at from 40° to 50°. About six or eight weeks before Easter raise the temperature from to 65° to 75°. Some growers never plant them out in the open ground but grow them in pots all summer, with the same treatment during the winter as above stated, and they are successful, too.

WM. K. HARRIS.

Society of American Florists.

TRADE EXHIBITION.

By vote of the executive board, American growers of any forcing bulbs, plants or seeds hitherto supplied mainly from foreign sources, or dealers controlling stocks of such goods, are invited to send samples of their product to the trade exhibition at Asheville, N. C., August 19-22, 1902, where they will be given space free of charge, provided that they then become the property of the society for testing purposes as to their forcing qualities, results of said testing to be published the following season. Please make entries with the secretary, Wm. J. Stewart, 79 Milk street, Boston, Mass.

DEPARTMENT OF PLANT REGISTRATION.

C. S. FitzSimmons, Lansing, Mich., registers rose Queen Madge. Sport from Kaiserin Augusta Victoria, in 1896. Color, true Papa Gontier in the bud, becoming lighter and brighter until the petals fall, without discoloring. Form of bud similar to Kaiserin. Foliage also like that of parent but of heavier substance. Fragrance with an added spice and foliage has a perceptible sweet-briar odor. Stems stiff and of good length. A free-blooming, all-season forcing rose, grown in Bridesmaid temperature.

WM. J. STEWART, Sec'y.

Galvanized Steam Pipe.

ED. AM. FLORIST:—Is there any objection to the use of galvanized pipe for steam heating, apart from the increased cost? Would it last longer and radiate heat as well as common black pipe? What is the galvanizing substance composed of and how is it put on? R. H.

In addition to the cost, which is usually about fifty per cent higher than that of black pipe, galvanized pipe does not radiate heat as well. Were the two of about the same price the last objection named would not be sufficient to offset the advantage from the increased durability, but on the other hand common black pipe that is occasionally painted will last for many years under fairly good conditions and at the usual prices will be found more desirable. Black pipe is galvanized by dipping it into melted zinc after it has been freed from dirt and oil by means of acids.

L. R. TAFT.

Alteration to Greenhouses.

ED. AM. FLORIST:—My greenhouse is 24x120 feet, with a lean-to along the west seventy feet, with the partition once dividing it from the main house since removed. By the rebuilding of a house on the adjoining lot about twenty to twenty-five feet of the east end of the house is now shaded, so that the stock does not do well there, and I am thinking of taking down that portion of the house and re-erecting it, with some addition, beside the remaining portion. In the old section there are four benches, those to the north raised a few inches above the others, with a good deal of waste space in the lean-to. A man in whose judgment I have confidence says to bring the four benches down to a level, widening them and putting one in the lean-to; then to build an even-span house to the north. The line of sun over the south house will not reach all of the proposed new house at noon in winter, but after two o'clock would strike the whole side of the roof of the addition, for the houses run a little south of east to west. Another party advises me that it is immaterial about rearranging the benches in the old house but says to, instead of building a long house parallel to it, build short ones at almost right angles, that is, running north and south. I would have room for four or five such houses about thirty feet long. It is said that such houses would be better for my use than one large one, as they could be piped separately and each carried at any desired temperature. It is also suggested that if I decide to build the two parallel attached houses, I make the south slope of the new one rather steeper than even span. As I have no money with which to experiment I should be pleased to have an expert opinion on the several plans.

J. L. H.

The plan first mentioned seems the better of the two, as three or four houses thirty feet in length will cost considerably more than one house of equal capacity, especially as by the latter method it is proposed to extend the roof of the new houses over upon the roof of the present house. The valleys thus formed will be

expensive to build and maintain, and will be troublesome by causing shade and drip. If the new house is to be used for plants that will be injured by partial shade during the morning, it will be possible to place it eight feet away from the old house and still make it twenty-four feet wide. Under the conditions named an even span will be satisfactory, although a short span on either side would give good results. L. R. TAFT.

OBITUARY.

C. H. DOWNIE.

C. H. Downie, who had charge of the grass and clover seed department of Peter Henderson & Co., New York, died May 19, after only a fortnight's illness. He was forty-five years of age and a native of Scotland. We understand he was formerly connected with the firm of Downie, Laird & Laing, of Edinburgh, now conducted, we believe, under the title of John Downie.

H. H. HUNNEWELL.

H. H. Hunnewell, proprietor of the beautiful gardens at Wellesley, Mass., died on Tuesday, May 20, at the ripe age of 92 years. Mr. Hunnewell was born in Watertown, Mass. At the age of 25 he became a partner in the Paris banking house of Welles & Co., where he resided for some fifteen years, returning to America to establish the firm of H. H. Hunnewell & Sons, since which time he has been a prominent factor in the financial and horticultural progress of Boston, although one of the most unassuming of men. He was a man of scholarly and literary tastes, fond of outdoor life and horticultural pursuits, generous, charitable and always public-spirited. He was an active member of the Massachusetts Horticultural Society for about fifty years, and during most of that period served the society in various official capacities. He gave generously and established several funds, the income from which is to be devoted perpetually to the cause of horticultural advancement. He retired from active duty as an officer of this organization in December, 1900. The beautiful estate at Wellesley is the most famed private place in America and no visit to Boston from distant places has been considered complete without a trip to that lovely spot. Its charms were the joint product of Mr. Hunnewell and his talented gardener, F. L. Harris, who also not long since found it necessary to lay down the cares of active work because of growing infirmities. In 1890, when the Society of American Florists visited Boston, one of the most delightful events of that occasion was an afternoon spent as the guests of Mr. Hunnewell at Wellesley, viewing the wonderful Italian garden and enjoying the manifold charms of sylvan scenery and landscape effect with which the place abounds. The immediate cause of Mr. Hunnewell's death was heart disease, but he has been feeble ever since an attack of pneumonia which he had about a year and a half ago. Up to that time he enjoyed uninterrupted good health.

WARE, MASS.—R. W. Cornish has sold out his flower business to Chas. F. Clark.

SEYMOUR, CONN.—Chas. F. Doll, who has conducted a greenhouse business here for many years will retire from the florist trade June 1.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (six words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1902 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—By professional florist and gardener, capable of taking charge. W. K. 698 Van Buren street, Chicago.

SITUATION WANTED—By good grower for the retail trade; 14 years' experience; single; age 34. Illinois preferred. Wages $30 and board. Address. RETAIL, care American Florist.

SITUATION WANTED—As foreman and grower of cut flowers and plants. Have been foreman with prominent florists around Chicago for a number of years. Address FLORIST, Box 54, Hinsdale, Ill.

SITUATION WANTED—As manager or working foreman on up-to-date rose growing establishment by very successful grower, capable of taking charge and understands handling of help. Address C F J, care American Florist.

SITUATION WANTED—By June 1st; practical florist; German, age 28 years, single; 14 years' experience with palms, ferns, forcing stock, bedding plants and cut flowers. Private or commercial place near Chicago preferred. Address C J, American Florist, Chicago.

SITUATION WANTED—As foreman by thoroughly practical florist. Good decorator, designer, etc. Grower of No. 1 roses, carnations and 'mums. First-class commercial or private position. Good wages expected. Address G. FOREMAN, care P. O., Canton, O.

SITUATION WANTED—By first-class florist, as grower; 36 years of age, single, strictly sober; can produce first-class cut flowers; also good on pot and bedding plants, and good designer. Lifelong experience, and several years in the south—where a situation would be preferred. Address H L, care American Florist.

WANTED—A man for general greenhouse work; steady place for the right party. Address C. LOVERIDGE, Peoria, Ill.

WANTED—Helper for work around greenhouses. Wages $25 per month with board. MORTON GROVE GREENHOUSES, Morton Grove, Ill.

WANTED—1,000 feet of 4-inch cast iron pipe in good condition. Also a hot water heater. Give full description and price. Address I. L. PILLSBURY, Galesburg, Ill.

WANTED—Young man to learn the greenhouse business, growing of roses and carnations. State age. Apply to JOHN L. WYLAND, De Haven, Pa.

WANTED—Rose growers and helpers; also one man that understands growing chrysanthemums. The highest wages and steady work. BASSETT & WASHBURN, Hinsdale, Ill.

WANTED—Florist with good references, to grow cut flowers and pot plants. Single German preferred. Address MRS. GEO. WALDBAUER, Saginaw City, Mich.

WANTED—A good florist to grow roses, carnations, 'mums and general stock. $30 00 per month; board and room. State age and references. C. HUMFELD, Clay Center, Kans.

WANTED—Two rose growers. Must be first-class, one for American Beauties who has made a success of that variety. Good wages to good men. Address H. DALE ESTATE, Brampton, Ont., Can.

WANTED—A young man for retail florist place; must be well posted on ferns and palms; not afraid of work, and have A1 references. Address H. F. HALLE, 548 West Madison St., Chicago.

WANTED—Working foreman on roses, carnations and general stock for retail trade. Give experience with references from former employers; also wages expected. Must be sober and of good character. Steady position to right party. I. SHELBY CRALL, Monongahela, Pa.

FOR SALE—Branch store of leading Chicago florist, clearing $150 per month. Long lease. Price $600. Address STORE, care Am. Florist.

FOR SALE—Prosperous, up-to-date, growing florist business; established 12 years. Address for particulars, MRS. S. N. ALKIRE, Greenview, Ill.

FOR SALE—At a bargain, greenhouses, 25,000 feet of glass, land and good dwelling house, barn, etc., in best of condition and well stocked; near Chicago; owner going into other business. Address H G, care American Florist.

Wanted...

Thoroughly competent man, to take charge of the lawn and grounds about the pumping station of the Des Moines Water Works Co. Useless to apply unless capable. Position permanent. Apply, giving full particulars and references, to

CHAS. S. DENMAN, Sec'y & Mgr., Des Moines, Iowa.

For Sale, Greenhouse

200 feet long, 20 feet wide, with land or without; been run 2 winters only. Also 700 feet 2-in. pipe, 700 feet 1-in. pipe; been used one winter only. Will sell at half the cost of new pipe. Also one sectional boiler in use only one winter; suitable for house 110x20 feet. Joost and Marquis plants in 3-in. pots at very low price, pots included.

S. W. PHILLIPS, Box 18, Billerica, Mass.

For Sale at a Bargain

Greenhouses, 25,000 square feet of glass, all in good condition and paying well; within 20 miles of Chicago. Owner is going to retire from business. Address F S, care American Florist.

RARE BUSINESS OPENING

IN CALIFORNIA.

Corporation doing a wholesale and retail business over the west through catalogue, desires to materially enlarge to meet demands, and to this end wishes to correspond with suitable party able to invest $3,000 to $5,000 in capital stock of the company and devote his full time to the business. Must either be a skilled propagator and able to take charge of outside work or else experienced and competent to look after commercial part of a catalogue business.

Give full particulars and experience or no attention. Address

CORPORATION, care American Florist, Chicago.

Second HAND BOILERS and Pipe.

5 No. 16 Hitchings Boilers in good order, with New Grates and Fire Bricks. Also 6,000 feet 4-in. cast iron extra heavy pipe, 9 feet lengths, ells, tees and Expansion Tanks.

Cheap for Cash.

W. A. Hammond

107 E. Broad St., Richmond, Va.

If you want to get the want you want to get, you want to get your want ad into the

AMERICAN FLORIST

Try it now.

Every advertisement represents a genuine want. It pays to answer them.

Springfield, Mass.

TRADE SHOWS THE ACCUSTOMED SLACKENING GAIT AT THE SEASON.—VARIOUS NOTES OF INTEREST.

Business is slacking up, although there are no complaints heard, as all look forward to a quiet period at this time of the year. There are enough cut flowers to meet all demands, and of fair quality. We are getting some fine weather, but a little cool at night, making night firing necessary. Rain is needed badly in this section, for vegetation is showing the effects of drought. Bedding stock is selling very satisfactorily and the next two weeks will see the greater part of planting done. Pansies are about over and have sold well this season.

Adams & Sons report large sales of nursery stock, getting through with very few complaints. Gilbert, of Homer street, also reports increase for nursery stock and sales this season very satisfactory. A. B.

GRANDVILLE, MICH.—George Conklin has bought five acres of land of the Conklin estate and is building three greenhouses and a fine residence. He will grow carnations, violets and chrysanthemums.

PORTLAND, ME.—The greenhouses and salesroom on Congress street occupied for a number of years by E. J. Harmon, are being demolished to make way for a new hotel. Mr. Harmon will locate in a new building on the opposite side of the street.

GLADIOLUS BULBS

Closing Prices..

7,000, in separate colors, 1st size, at $12.50 per 1000.

10,000 High Grade Mixtures, for cut flowers, 1st size, at $10 per 1000.

8,000, good mixed, 1st size, at $7.50 per 1000.

Novelty, No. "1900," $4.00 per 100.

Vaughan's Seed Store, CHICAGO New York

Please mention the American Florist when writing.

"Fumigation Methods"

BY PROF. JOHNSON.

Every Grower needs this book..... Price $1.00

AMERICAN FLORIST COMPANY,
324 Dearborn Street, ...CHICAGO.

Watch This Space

FOR FUTURE BARGAINS.

JOHN BROD,

349 West North Avenue, CHICAGO, ILL.

Greenhouses, Niles Center, Ill.

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COMMISSIONS CARRIED OUT IN LONDON

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Messrs. WILLS & SEGAR will attend to any commission from American florists for the supply of Cut Flowers, Birthday Flowers, Bouquets, High Class Floral Designs, etc., to their clients who may be traveling in England.

WILLS & SEGAR, Court Florists to His Majesty, The King.

ROYAL EXOTIC NURSERY,

TELEGRAMS, FLOSCULO, LONDON. Onslow Crescent, South Kensington, LONDON, ENGLAND.

Wholesale Flower Markets

MILWAUKEE, May 22.

Roses, Beauty, long, per doz.	2.50@ 3.00
" " med. "	1.00@ 1.50
" " short "	.50@ .75
" Liberty	6.00@10.00
" Bride, Bridesmaid	3.00@ 5.00
" Meteor	4.00@ 6.00
" Golden Gate	3.00@ 5.00
" Perle	3.00@ 5.00
Carnations, ordinary	1.00
" fancy	2.00
Harrisii	10.00
Lily of the valley	4.00
Tulips	1.50@ 2.00
Adiantum	75@ 1.00
Smilax	18.00@20.00
Asparagus	65.00
Common ferns	.25

PITTSBURG, May 22.

Roses, Beauty, specials	20.00@25.00
" " extras	12.00@15.00
" " No. 1	4.00@ 6.00
" " No. 2	2.00
" Bride, Bridesmaid	1.00@ 6.00
" Meteor	1.00@ 4.00
Carnations	1.00@ 2.00
Lily of the valley	2.00@ 3.00
Harrisii lilies	5.00@10.00
Pansies	.25@ .50
Daisies	.50@ 1.00
Sweet Peas	.20@ .50
Smilax	10.00@12.00
Adiantum	.75@ 1.00
Asparagus	35.00@40.00

CINCINNATI, May 22.

Roses, Beauty	10.00@25.00
" Bride	1.00@ 3.00
" Bridesmaid	1.00@ 3.00
" Meteor	1.00@ 4.00
" Perle	1.00@ 3.00
" Liberty	1.00@ 4.00
Carnations	.75@ 2.00
Lily of the valley	2.00@ 3.00
Sweet Peas	.50@ .75
Irises	2.00
Longiflorum lilies	4.00@ 8.00
Asparagus	50.00
Smilax	15.00
Adiantum cuneatum	1.00
Common ferns	.20

ST. LOUIS, May 22.

Roses, Beauty, short stem	5.00@12.50
" " long stems	15.00@25.00
" Bride, Bridesmaid	2.00@ 5.00
" Meteor	2.00@ 5.00
" Golden Gate	2.00@ 5.00
Carnations, ordinary	.75
" choice	1.00@ 1.50
Peonias	3.00@ 4.00
Sweet peas	.25@ .40
Harrisii	5.00@ 8.00
Callas	6.00@10.00
Smilax	12.50@15.00
Asparagus Sprengeri	1.00@ 1.50
" Plumosus	1.00@ 1.50

Blooming Laurel FOR JUNE WEDDINGS.

Large blooms, long stems, 2x2x4 feet case $3.50. Green Laurel, long stems $2.50 per case. Packed with Sphagnum Moss. Ready June 1st.

W. Z. PURNELL. Snow Hill, Md.

Sweet Potato Plants.

YELLOW JERSEY. $2.00 Per 1000.

DAVIS BROS., Morrison, Ill.

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Special Attention Given to Shipping Orders.

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Full line of Florists' Supplies and Decorations. Special attention to shipping orders.

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Special attention to shipping orders. A complete line of Florists' needs. Send for price list. Prompt returns on all consignments.

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$2.00 to $3.00 per 100 to take effect May 26th.

Chicago Carnation Co., Joliet, Ill.

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600,000 FEET OF GLASS.

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4 Washington Street, CHICAGO.

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Always do business,
Week days and every day
Sundays and holidays,
All over the country,
At home and abroad.

DECORATION DAY PRICES.

BEAUTIES.	Per doz.
Long stems	$2.50 to $3.00
Medium stems	1.50 to 2.00
Short stems	.75 to 1.00
	Per 100
Brides	$4.00 $6.00
Maids	4.00 6.00
Meteors	4.00 6.00
Gates	4.00 8.00
Carnations	2.00 2.50
" large and fancies	3.00
Lilium Harrisii	10.00 12.50
Sweet Peas	.50
Valley, select	4.00
Valley, outdoor	2.00
Asparagus Plumosus, per stg.	.50 .75
Asparagus Sprengeri	3.00 4.00
Ferns, per 100, $2.50	.25
Galax, per 1000, $1.25	.15
Leucothoe sprays	1.00
Adiantum	1.00
Smilax, per doz.	1.50 2.00

Prices subject to change without notice
Above prices are for first-class stock.
Lower grades billed accordingly.

WILD SMILAX

In Limited Quantities.

50-pound case, $8.00.
40-pound case, $7.00,
30 pound case, $6.00.

Orders Promptly Filled.

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Wholesale Flower Markets

CHICAGO, May 23.

Roses, Beauty,	30 to 36-inch stems	3.00
" "	24 " "	2.00
" "	20 " "	1.50
" "	15 " "	1.00
" "	12 " "	.75
" "	6 to 8 " " per 100	4.00@ 5.00
"	Bride, Bridesmaid	3.00@ 6.00
"	Meteor	3.00@ 6.00
"	Perle	3.00@ 6.00
"	Golden Gate	3.00@ 6.00
Carnations		1.00@ 2.50
Lily of the valley		3.00@ 4.00
Harrisii		10.00@12.50
Callas, per doz.		1.00@1.25
Paeonias	per doz.	.50@ .75
Cattleyas,	per doz.	6.00
Sweet Peas		1.00@ 1.50
Adiantum		1.00
Common ferns	per 1,000	$2.50 .25
Galax leaves, per 1000		$1.25 .15
Smilax	per dozen	1.50@ 2.00

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Fresh Flowers

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Memorial Day

and any other occasion at bed-rock market rates.

106 W. 28th St., NEW YORK.

Telephone 167 Madison Square.

OPEN AT 5 A. M. DAILY.

Wholesale Flower Markets

BOSTON, May 21.

Roses, Beauty, extra	12.00@15.00
" " medium	6.00@10.00
" " culls	2.00@ 4.00
" Queen of Edgeley	10.00@25.00
" Bride, Bridesmaid, Meteor.	1.00@ 2.00
" extra	3.00@ 8.00
Sweet Peas	.25@ .60
Carnations	1.00@ 2.00
Lily of the valley	2.00@ 3.00
Lilies	4.00@ 6.00
Callas	4.00@ 6.00
Adiantum	.75@ 1.00
Asparagus	50.00
Smilax	12.00@16.00

PHILADELPHIA, May 21.

Roses, Tea	6.00@ 7.00
" " extra	7.00@ 8.00
" Beauty, extra	20.00@25.00
" " firsts	10.00@15.00
" Queen of Edgely, extra	40.00
" " firsts	25.00
Carnations	1.00@ 3.00
Lily of the valley	4.00@ 5.00
Asparagus	25.00@50.00
Smilax	15.00@20.00

BUFFALO, May 22.

Roses, Beauty	7.00@35.00
" Bride, Bridesmaid, Meteor	4.00@10.00
Carnations	1.00@ 3.00
Paeonias	3.00@ 5.00
Lily of the valley	3.00@ 4.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.50

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" Sprengeri, per doz. bun.	2.00@	3.00
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All Roses, Violets

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

J. E. NORTHRUP, Pres.; S. F. LEONARD, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

Twentieth annual convention, Minneapolis, Minn., June 24-26, 1902.

VISITED NEW YORK: John Degnan, of Chicago.

A. H. GOODWIN, of the Goodwin, Harries Co., Chicago, has returned from California.

VISITED CHICAGO.—A. J. Pieters, botanist in charge of seed laboratory, Department of Agriculture, Washington, D. C., returning from a trip to California, where he has been inspecting the crops of the seed growers.

IT is reported that the New York Market Gardeners' Association has brought suit against Messrs. Landreth and Burpee in connection with statements made in print regarding the seed distribution of 1901.

ONION set fields at points on and near the Missouri river were damaged by winds early in the season. Some replanting has been done so far with satisfactory results. Hail, however, has done considerable damage in some places.

THE recent rains have flooded the level and heavy ground in the trucking districts about Chicago so that it has been impossible for some days to get on to the ground for weeding. The extra work which will be needed later may exceed the value of the crop, as it now stands.

The Roman Hyacinth Situation.

Our correspondent, "Parisian," writes as follows with regard to the condition of the French Roman hyacinth bulbs May 9:

"I should have liked to write a few words concerning the Roman hyacinths, which are interesting so many of your readers, but the conditions in the growing region are just now rather unsettled. The late rains seem to have injured the crop and fears are now expressed that the bulbs will not be so fine as last season. Whether, as predicted, disease will further reduce the amount of available bulbs remains to be seen and can be ascertained only next month when potting the bulbs. In the light of such conditions many growers prefer to await the result of the harvest in the hope of getting a better price, rather than sell at present, except at a good advance on the syndicate's first quotation."

The Bermuda Bulb Crop.

A well informed Bermuda correspondent writes under date of May 14 concerning the bulb crop as follows:

"I was much interested in your report upon the deformed Easter lilies, namely, Japanese, and your favorable comment upon the improved condition of the Bermuda Easter lily forced in America during the last season. I am not surprised at the fate of the Japanese stock grown in Bermuda.

"Every effort is being made here to further improve the healthy condition of the planting stock, that the bulbs exported may be all that could be desired, and to increase the number grown. The condition of the lily is far away better than it has been for years, and while the quantity reaped per area will be much heavier, the acreage planted is far less, and I think the quantity that we will be able to ship will be about the same as last year."

California Seed Crops.

The latest reports on the California seed crops are, briefly, as follows:

Celery—The outlook is fairly good.

Carrot—Acreage larger and the crop in general good.

Radish—Just blossoming and prospects fine if louse and frost do not trouble them.

Lettuce—Acreage reported reduced; excellent stand of plants; flowering time the critical period.

Onion—Fair acreage; looking well May 10; no blight or serious trouble, some spots too wet; critical period from this date to July 1.

Sweet peas—Acreage reduced; plants growing too slowly.

The French Seed Crops.

Paris, May 9, 1902.—The season, from the seedsman's point of view, is at an end. The wholesale business in the fall was very brisk. Owing to the mild winter which we have had, (with the exception of some very hard frost in the early part of February) the retail orders came in more freely and earlier than usual. From early in February to the end of April it required increased forces to keep pace with the orders and taking everything into account (short crops and high prices) the seed business has been very prosperous. It is noticeable that when we have fine, sunny weather in February the retail dealers may expect a good season. When on the contrary the ground is snow clad in that month, people little think of ordering seed and when the inclement weather lasts into March, some customers consider that it is rather late to sow certain classes of seeds and it is so much lost for the dealer. Early seasons are therefore always desirable.

For nearly ten years we have not seen so many leading articles exhausted or the stocks so very low as they are at this writing. This is specially true of the radish, carrot and turnip shaped beet seeds. Germany having had a very poor crop of carrot seeds last year, imported large quantities from France. The radish crop has been very indifferent throughout Europe and there is nothing left. Early peas have all been disposed of at very high prices and the leading turnips are sold out. The trade in grass seeds, too, has been very brisk. The crop of alfalfa and clovers having been very short in France, fine qualities of domestic seeds were very scarce and sold at remunerative prices. All good stocks of nearly every class of seeds having been cleared up, we now require one or two full crops to replenish our warehouses and especially to check the pretensions of the growers, which, with another short crop, would be almost unbearable.

The advance on radish seeds is quite fifty per cent and the dealers who accepted contracts at from 45 to 50 shillings per hundredweight will either lose money or not be in a position to place the contracts with the growers. The outlook for a pretty good crop of beets, carrots, mangels, swedes and turnips is so far hopeful. The transplanting of the spring radishes will soon begin and, contrary to what happened last season, no difficulty will be encountered through lack of moisture in the ground. In fact we have had too much rain and not enough sun lately and should the weather conditions not soon change and take a drier and warmer turn a good deal of injury may result from that source. Our barleys are beaten down flat; the wheats are too leafy (all straw) and many fields have to be turned over. Even in some of the growing districts of southern France the continuous and excessive rains have worked mischief in flooding many fields devoted to seed crops. The crop of cabbages suffered last fall through the inclement weather conditions, but the plants which withstood them are just now in a promising condition. At any rate that crop is not expected to be over one-half or two-thirds of an average and prices will again rule high next season. Spinach, onion, parsley, lettuce and celery are so far all looking well, with the exception of the Paris Golden Yellow and White Plume celeries, which, as poor seeders, are always scarce.

But the crops are not warehoused yet. The incessant, soaking rains which we have had for several weeks have not alone been harmful to agriculture; we have had of late days a considerable fall in the temperature, followed in some parts of our country by hail and snow storms. In the aggregate the temperature has been for several days 10° centigrade below the normal at this time of the year. From various parts of France we hear that the beans and potatoes, which showed already well above the ground, have been frozen; from Normandy, the cider region, it is reported that the apple crop may be considered as greatly impaired; even in the southern part of France they are not better off and many crops seem to have suffered a good deal. The good fruit prospect which continued to the end of April has been sadly marred. In the face of the discouraging temperature which is prevailing at this writing, the prospect with many crops is a matter of conjecture, but the injury already done in some districts is serious. PARISIAN.

Hail.

SHELDON, IA.—There was heavy hail here May 3 and John Christiany, proprietor of the Sheldon Greenhouses was a heavy loser. Over 2,000 square feet of glass was broken and the damage to the stock was large.

LYNCHBURG, VA.—On April 29 there was a severe hail storm here which caught two of the four florists in the locality. Harry R. Brown lost sixty or seventy boxes of 14x14 glass and A. Brosch suffered to the extent of thirty or forty boxes, part of it 12x14 and part 8x10. Neither party had insurance.

New Orleans.

The New Orleans Horticultural Society held its regular meeting May 15, with President James A. Newsham in the chair. The following committee was appointed to arrange for the anniversary trip to Grand Isle: D. Newsham, C. R. Panter and C. Eble. A communication was read urging the society to send a good representation to the convention of the Society of American Florists at Asheville, N. C.

NEW DURHAM, N. J.—Adam Steiger was brought before Recorder Pullis on Tuesday, charged by a lot-owner at Flower Hill Cemetery, with taking floral designs from graves.

No Pots==No Coal==No Glass!

A WORD TO THE WISE: Make Money When You Can.

Here are two propositions either of which is certain to work and give large returns to the Florist who Reads and IS KEEN ENOUGH TO CATCH ON.

FIRST==Buy 1,000 CANNAS, Dormant Roots, costing $12.50, returns (conservative estimate) $150.00.

HOW? Our price is less than ½ cent per eye, which eyes will make plants under simple treatment in about three weeks that bring at Auction **5c and commonly 10c each.** There never was enough to meet the demand—Nut Ced. Think it over, but don't think too long; chance will slide by.

SECOND==Buy 1 Box (300 BULBS) for $18 Cold Storage Lilium Longiflorum, Returns (Conservative ESTIMATE) in 3 months, $120.

Planted now outside should average at least four blooms to the bulb and flower in August when white lily flowers are in great demand by seashore hotels and other festive resorts, and readily sell wholesale from 10c to 20c per bud. Our **Retarded or Cold Storage L. Longiflorum** bulbs (owing to our secret method of storage) are as perfect to-day as when they reached us from Japan in November last, and are guaranteed to be in first-class condition before shipping.

CANNAS Price of Dormant Roots $1.50 per 100; $12.50 per 1000

Large Pieces Three and More Eyes. No less than 250 sold at 1000 rates. You can select an assortment of kinds to this number and get 1000 rates. **Queen Charlotte**, red, deep golden edging; **Shenandoah**, dark foliage, pink flowers; **Chas. Henderson** crimson, compact habit; **Peachblow**, white, changing to rose; **Morning Star**, yellow, with red spots; **Alsace**, creamy white; **Austria**, clear golden yellow; **Burbank**, rich yellow; **Italia**, orange scarlet; very broad, golden yellow border. **PLANTS** of above varieties and others from flats, now ready, 50c per doz; $3 per 100; $25 per 1000.

COLD STORAGE OR RETARDED Lilium Longiflorum

The retarding of Lilium Longiflorum bulbs in cold storage with us is no longer an experiment, but an unqualified success. Do not confuse these with some old left-over stock that may be offered cheap elsewhere, which would only lead to disappointment, and be dear at any price. Our bulbs are imported and packed specially for Cold Storage and we are the pioneers in this line. Price of cold storage Lilium Longiflorum Bulbs for delivery any time of the year. 7 to 9-in. bulbs, 300 in a box, $1 per doz; $7.50 per 100; $60 per 1000. One whole box sold at 1000 rate.

IRIS (FLEUR DE LIS) **JAPAN** or Kaempferi, original imported clumps, 24 distinct named kinds. Per doz, $1.00; per 100, $7.50.

CLUCAS & BODDINGTON CO., 812-814 GREENWICH ST. Tel. 4390-Spring. NEW YORK CITY.

Importers, Exporters and Growers' Agents of Seeds, Bulbs and Plants.

DREER'S OFFER OF CANNAS

The following varieties can be supplied in strong plants from 3-inch pots, well established, for quick effect, $5.00 per 100; $40.00 per 1000.

ALSACE, sulphur changing to white, 4½ feet.
BRONZE SEEDLING, rich bronze foliage, currant red flowers, one of the best dark-leaved varieties, 4½ feet.
LURAY, pleasing deep rosy pink, 4 feet.
MME. CROZY, standard gilt edge, red, 4 feet.
MLLE. BERAT, the best pink bedder, 4 feet.
ROBERT CHRISTIE, bright orange red, fine, 4½ feet.
SOUV. de ANTOINE CROZY, intense scarlet crimson, rich golden yellow edge.
SOUV. du PRESIDENT CARNOT, vermilion scarlet with bronze foliage, 6 feet.
SOUV. de MME. LEONIE VIENNOT, carmine with yellow edge, a fine bedder, 4 feet.
WILHELM BOFINGER, rich scarlet overlaid orange, very bright, 5 feet.

HENRY A. DREER, 714 Chestnut St., PHILADELPHIA, PA.

ROSE PLANTS

2½-inch Rose plants, fully as good as any we have ever sent out:

METEOR, $2.50 per 100; $20.00 per 1000.
MAIDS, 3.00 per 100; 25.00 per 1000.

J. A. BUDLONG,
37-39 Randolph St. CHICAGO.

Plant Now LILY of the VALLEY

FOR JUNE WEDDINGS. Select Valley Pips from Cold Storage, properly packed and thoroughly frozen, $13.00 per case of 1000. These were put up specially for the benefit of my out-of-town customers and can be shipped at once. Original cases of 2500, $31.25; $1.50 per 100.

H. N. BRUNS, 1409-1911 W. Madison St., CHICAGO.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
R. C. BERCKMANS, Pres.; R. J. COE, Vice-Pres.
GEORGE C. SEAGER, Rochester, N. Y., Sec'y.
Twenty-seventh annual convention, Milwaukee, Wis., June 11-13, 1902.

THE nurserymen will have a big convention at Milwaukee next month.

THE requirements in peach trees in the south this season were too much for the supply.

CONDITIONS in the nursery trade are such as to warrant the expectation of well maintained prices for the next year or two.

IT is likely that the prices of cherry trees will recede from the present high level because of the very large planting of Mahaleb in the west this spring.

THE Winchester Nursery Company, of Winchester, Va., has been incorporated with capital stock of $50,000. The plan is to grow nursery stock on a large scale.

THE sudden turn to warm weather all over the country has put an end to the late, desultory planting and brought the finish to the biggest season generally the nurserymen have ever known.

THE demand for apple seedlings this year was rather more than the big western growers could supply, but A. L. Brooke, of North Topeka, Kans., says that in spite of this the plant of seeds has not been as heavy as usual this spring.

PROF. JOHN CRAIG, of Cornell University, says that the severe frosts of May 8 and 9 in New York have changed the promising outlook for a fruit crop to one which is altogether problematical. Particularly is this true in the central part of the state. Peaches and plums have been badly injured. In the lake region the injury is much less severe.

THE Boston Common Society furnishes the following interesting information regarding some of the ancient trees upon that reservation. The first row of trees along the Tremont street mall was planted in 1725, the second row in 1734, and the third row in 1784. The Beacon street mall was laid out about 1816, the Charles street mall about 1824 and the Boylston street mall about 1836. Of the trees which formed the first and second rows along Tremont street, none now remain, the last having been removed when the subway was built.

PANSIES
The Jennings Strain.
Fine cold frame plants in bud and bloom, $1.50 per 100; $7 50 per 500. Cash with order.
E. B. JENNINGS, Lock Box 254, Southport, Conn.
Grower of the Finest Pansies.

ROOTED CUTTINGS
Estelle, $5.00; Lawson, $4.00; Marquis and Elm City, $2.00; Crocker and Lord, $1.00 per 100. Other varieties on application.
DANA R. HERRON, OLEAN, N. Y.

BEGONIA GLOIRE DE LORRAINE,
2¼-inch pots, $15.00 per 100.
Write for prices on large lots. Stock guaranteed absolutely free from disease.
THOMAS ROLAND, Nahant, Mass.

California Field-Grown
ROSE BUSHES
Hardy, Tender, Own Root, Root Grafted.
We are booking contracts now for delivery winter and spring of 1904 in any quantity and variety wanted. Send us your list in variety, with quantity each wanted and we will make prices delivered. **You can save money** by contracting with us in advance. Further, you can make ample provisions for selling them. It will pay you to talk this matter over with us by letter, and the quicker you get about it the better.
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SPECIALTIES ARE: Conifers. Evergreens, Hardy Shrubs, Lilacs, Ornamental Trees, Fruit Trees in different forms, Azaleas, Rhododendron Ponticum and Hybridum.
Please send list of your wants and write for general catalogue. We will make you special offers. Write to
GROENEWEGEN & ZOON,
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LAUREL HILL Nurseries, F. BRUNTON Manager.
Importers and growers of **Choice Hardy Perennials. Native Trees, Shrubs, Specimen Evergreens.** We grow large quantities of **Iris, Paeonias, Tritomas, Phlox, Delphiniums;** stock is perfectly hardy, true to name. Send for Special Catalogue of New Hardy Alpine Iris, now in the press. **STOCKBRIDGE, MASS., U. S. A.**

RHODODEDRONS....
500 Clumps of Rhododendron Maximum, 6 to 8 ft. high, at $25 a doz. Prices of smaller clumps and Kalmias on application.....
L. F. KINNEY, Kingston, R. I.

CLEMATIS Large Flowering, leading kinds, strong 2-year plants from 4-inch pots in 12 sorts. $2.00 per doz.; $16.00 per 100. 25 at 100 rate.
Choice Hardy Monthly ROSES in twelve (12) kinds, $1.50 per doz., $10.00 per 100.
ADIANTUM, (Maiden Hair Ferns), strong clumps, $5.00 per 100; 75c per doz.
F. A. BALLER, Bloomington, Ill.
Please mention the American Florist when writing.

B. W. DIRKEN,
Oudenbosch, Holland.
ORNAMENTAL AND FOREST TREES A SPECIALTY.
Conifers, Evergreens, Hollies, Etc.
Prices on Application.

Seasonable Stock.

	Per 100
GERANIUMS—2-inch pots strong, including Mars, Hubert Charron, S. A. Nutt, Marvel, Mme. Landry, Mme. Charotte, Duc d' Montmart, La Favorite, and Countess de Castiers	$3.00
BEGONIA REX—Best varieties, in 2½-inch and 3-inch pots	5.00
PELARGONIUMS — Latest novelties	10.00
FEVERFEW (Matricaria)	2.50
PHALARIS—Arundinacea Var., for bordering canna beds	4 00
NEPHROLEPIS Cordifolia—3-in. pots	4.00
CANNAS—3-inch pots, Pierson's Premier, Mme. Crozy, Chas. Henderson, Florence Vaughan and Queen Charlotte	5.00
ANEMONE Japonica — 2-inch pots, just right for planting out, Queen Charlotte, Japonica Alba and Lady Ardilaun	4 00
Elegantissima	6 00
Mont Rose and Rose Superba doz.	1.00

NATHAN SMITH & SON,
ADRIAN, MICH.
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The only special newspaper in the world for floral arrangement.
200 ILLUSTRATIONS ANNUALLY.
Specimen number free.
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J. OLBERTZ, ERFURT, GERMANY

Successful Growers are Wanted
To know that they can dispose of all their surplus stock by advertising in the American Florist. TRY IT NOW.

WE SHALL HAVE PAEONIAS UP TILL THE FOURTH OF JULY.

YOU DON'T FAIL TO GET WHAT YOU WANT WHEN YOU ORDER OF KENNICOTT'S.

BOOK THE ORDER WITH KENNICOTT'S. WHITE GLADIOLI, 5c CENTS A DOZEN.

KENNICOTT BROS. CO.

Wholesale Commission Florists

and Dealers in All Kinds of **FLORISTS' SUPPLIES.**

42 and 44 E. Randolph St., ...Chicago, Ill.

Send along your orders for

PAEONIAS 75c a Dozen.

And all other

...Cut Flowers

FOR DECORATION DAY.

We handle the Bulk of the Paeonias coming to the Chicago Market.

DECORATION DAY PRICE LIST.

SUBJECT TO CHANGE WITHOUT NOTICE.

	Per Hundred.		Per Hundred
Am. Beauties, short	$ 8.00 to	$10 00	
Am. Beauties, medium	15.00 to	18.00	
Am. Beauties, fair length	25.00 to	30.00	
Am. Beauties, long	40.00		
Meteors	5.00 to	10.00	
Brides and Bridesmaids	4.00 to	7.00	
Perles	4 00 to	7.00	
Roses, our selection	3.00 to	4.00	
Pæonias, pink and white, per doz. 75c.			
Carnations, fancy varieties	$ 2.50 to	$ 3.00	
Carnations, good average	1.50 to	2.00	
Valley	2.00 to	5.00	
Daisies	1.00 to	1.50	
Smilax	12.50 to	18.00	
Adiantum	.50 to	1.00	
Asparagus per string,	.75		
Galax per 1000, $1.50,			.20
Common Ferns per 1000, $2.50,			.30

50,000 JASMINE GRANDIFLORA, $2.00 PER 100.

Roses are very much off grade. Order other stock.

WE ALWAYS SHIP EXTRA SELECT OR HIGH-GRADE GOODS UNLESS OTHERWISE ORDERED.

WE REPRESENT MORE GLASS THAN ANY OTHER HOUSE IN CHICAGO.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 79 Milk St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At New York.

The customary friendly rivalry on the alleys last Monday night was intensified by the presence of D. T. Connor, of Philadelphia, who, as the scores show, had no difficulty in finding the right rut in the alleys and making frequent trouble for the center pin. Scores were recorded as follows:

Player	1st	2d	3d	4th
Siebrecht	144	146	158	132
Lang	175	165	183	161
Burns	140	161	166	188
Hafner	165	176	168	164
Bunyard	109	165	166	143
Traendly	153	180	147	180
Shaw	136	93		
Connor	153	180	147	

Bowling at Philadelphia.

The balls and pins are still keeping up a merry rattle on the club alleys. The usual matinee crowd is in evidence in the afternoons. The large number of associate members of the club help to swell these afternoon seances, the proportion of florists being about one to four. In the evenings about twice a week some of the faithful are generally to be found, keeping in form or striving not to get too far away. Scores run about the same, ranging from 150 to 175 for the first twelve to fifteen men in the monthly averages.

The dinner of the bowling league of this city in whose tournament the Florists won the first prize the past winter, held last week, was a most enjoyable affair. Capt. Moss, of the team, was presented with the trophy, a grand affair, something similar to the Evans prize, being a trifle different and more slender in shape, and is mounted on a metal base. It is a beauty and helps to make the case in the clubroom, which, by the way, is getting crowded, more attractive. The first team and the Friday-nighters are to have a "go" on Thursday evening, and there is no end to the things they are going to do to one another. May they both get satisfaction. K.

BARGAINS in Chrysanthemums and Fuchsias, named varieties, at $2.50 per 100.

Allamanda Williamsii ..... $4.00 per 100
Acalypha Sanderii ..... 3.00 per 100
Russelia Elegantissima ..... 3.00 per 100
Vinca Variegata ..... 4.00 per 100
All good 2½-inch plants.

The Conard & Jones Co, West Grove, Pa.

Wanted...

2000 R. C. Her Majesty Pink.
2000 " "good pink" Pink.
2000 " " red Pink

E. B. JACKSON, Stamford, Conn.

FAXON'S "WHITE HOUSE" PANSIES.

The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.

In Trade Packets at $1.00 each.

M. B. FAXON,
Lock Box 1528. BOSTON, MASS.
Correspondence solicited.

SOW ENGLAND'S PRIZE STRAINS CALCEOLARIA, CINERARIA AND CHINESE PRIMROSE.

Gisnt show varieties from English specialists.

	½ tr. pkt.	Tr. pkt.
Cineraria, English Prize Mixed	$ .60	$1.00
Calceolaria, English Prize Mixed	.60	1.00
Primula, (Chinese Primrose), English Prize Fringed Mixed. 100 seeds, 25c; 500 seeds, $1.00		

PANSY Johnson & Stokes' Kingly Collection. This strain represents the largest size, greatest substance and the most gorgeous colors found in any mixture now offered. Per 1,000 seeds, 30c; 2,000 seeds, 50c; 5,000 seeds, $1.00; per oz., $5.00.

See our offer of **Begonias, Paeonias, Cladioli and Cycas** in last week's Am. Florist.

JOHNSON & STOKES, 217-219 Market St., **Philadelphia, Pa.**

Bulbs, Bulbs

Narcissus and Daffodils, Specialties.

Orders booked now for fall delivery.
PRICES LOW.
Send for catalogue and price list.

American Bulb Growers' Co.
PETERSBURG, VIRGINIA.

PANSY PLANTS IN BLOOM.

Transplanted, strong, stocky, in the very finest varieties and colors that money can buy. $15.00 per 1000. Put up in baskets containing one dozen, 20 cts. **DAISIES, Double White and Longfellow,** same price. Also bedding plants.

LUDWIG MOSBAEK,
85th St., near South Chicago Ave., Chicago.

Carnation Floriana.

We believe this to be the best pink carnation introduced to date, was disseminated in the spring of 1901 by originators, Messrs. Fillow & Banks. Price, $6 per 100; $50 per 1000. 50 at 100 rate, 500 at 1000 rate. Less than 50, 8c each.

Dailledouze Bros., Carnation and Chrysthemum Specialists,
FLATBUSH, BROOKLYN, N. Y.

20,000 Chrysanthemums, Ready to ship. Per 100

Timothy Eaton, 2½-inch $3.00
Kate Broomhead, Appleton, 2½-inch 2.50
Viviand-Morel, Maud Dean, Bonnaffon, Ivory, Trainor Park, 2½-inch 2.00
Cuttings at one-half above prices.
Stevia, rooted cuttings 1.00
Ceraniums, good bedders, mixed, 2½-in. pots 2.50
Asters, transplanted, ready for field ..... .75

COOLIDGE BROS., South Sudbury, Mass.

PALMS.

HOME-GROWN, FINE, CLEAN STOCK; GROWN COOL.

Write for Price List. **J. B. HEISS,**
The Exotic Nurseries, DAYTON, OHIO.

1,000 VINCA MAJOR VAR.

Long tops and several shoots, 3-inch pots, $5.00 per 100; 2½-inch $3.00 per 100.

5,000 CANNAS, Austria, Burbank, dormant $2.00 per 100; Paul Bruant, floe red, $8.00 per 100; Alsace, white, $4.00 per 100; Robusta, bronze, $2.50 per 100. All Colors $1.50 per 100. Assorted Geraniums, 4-in. $5.00 per 100. Santolina Incana, $8 per 100. Cash please.

BENJ. CONNELL, West Grove, Pa.

Bedding Plants.

Mme. Salleroi Geraniums, 2-in.	per 100,	$3.00
Centaurea Gymnocarpa, 2-in.	"	2.00
Petunia, double pink	"	3.00
Coleus, rooted cuttings	"	.75
Begonia Argenteo-Guttata, 3-in.	"	3.00

CASH WITH ORDER.

WM. CLARK, BATAVIA, ILL.

ONION SETS—NO MORE OF THEM.

Sow my Hardy White Onion.

SEND FOR CIRCULAR.

BEAULIEU, the Pansy Man, WOODHAVEN, N. Y.

Florists' Calendar FOR MAY.

SEASONABLE SEEDS.

	100	1000
ASPARAGUS PLUMOSUS NANUS (true),	$ .85	$7.50
" **SPRENGERI**	.25	2.00
PRIMULA SINENSIS FIMBRIATA, sep. pure white, rose, blue, brillant crimson	.25	1.75
PRIMULA, mixed, finest strains	.20	1.50

CINERARIA HYBRIDA max. grandi., pkt., 500 seeds, 25c; 5 pkts., $1.00.
CINERARIA HYBRIDA nana, dwarf grandi., pkt. 500 seeds, 25c; 5 pkts., $1.00.
CALCEOLARIA HYBRIDA grandi., max. or dwarf grandi., either pkt., 25c.
CALCEOLARIA, SHRUBBY, RUGOSA, pkt. 25c.
FERN SPORES, choicest mixed, pkt. 25c.
CENTAUREA HALLEI, purple and blue, fine for cut flowers, pkt. 10c.
Our Specialty, BERGER'S Never Fail Pansy Mixture, containing choicest prize sorts. **TRY IT.**

Snow Queen, white	1000 seeds	25c;	5000, $1.00
Gold Else, yellow	"	"	"
Faust, black	"	"	"
Victoria, red	"	"	"
Peacock, blue	"	"	"

Bugnot, Odier, Cassier, Trimardeau, or any color separate. 1000 seeds, 25c; 5000 seeds, $1.00.
Cassier's New Giants, unrivalled in color and size, 500 seeds, 20c; 1000 seeds, 30c.
SWEET PEA SEED, any named favorite sort, 25c a lb.; 5 lbs, $1.00.
CYCAS REVOLUTA STEMS, ½ to 10 lbs., $7.00 per 100 pounds.
FRESH PANOANUS UTILIS SEED, 100, $1; 1000, $8.50.
ARECA LUTESCENS SEED, 100, 60c; 1000, $5.00; 5000, $20.00.

BARGAIN Great chance to buy cheap. A surplus Amaryllis Vittata Hybrids, great for cut flowers in summer. Fine flowering bulbs. 12, $1.75; 100, $12.00.

Address **H. H. BERGER & CO.,**
Established 1878. 47 Barclay St., NEW YORK CITY.

ESTABLISHED 1802

THORBURN'S SEEDS

CYCAS REVOLUTA STEMS.

We have just received a large shipment in assorted sizes from 3 to 12 pounds (most of them 8 or 10 pounds) which we offer at 10c per pound. Special price on large quantities.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

FALL BULBS

Tulips, Hyacinths, Narcissus, Lilies. You can save money by placing order now. Send us your list; we will make bottom prices.

James Vick's Sons, Rochester, N. Y.

ORDERS FOR

Decoration Day

Will Receive our very Best Attention.

PRICE LIST
For Decoration Day.

BEAUTIES.	Per doz.
Stems, 24 to 36 inches.....	3.00
" 20 "	2.00
" 15 "	1.50
" 12 "	1.00
Short stem.....	$ .50— .75
ROSES.	**Per 100**
Brides and Maids.....	$4.00—$8.00
Meteors.....	4.00— 8.00
Golden Gate.....	4.00— 8.00
Roses, our selection.....	4.00
CARNATIONS.	**Per 100**
Standard sorts.....	$2.00
Fancies.....	$3.00— 4.00
MISCELLANEOUS.	
Pæonias.....per 100,	$5 00—$6.00
Callas.....per doz.,	1.25— 1.50
Sweet Peas.....per 100,	.75— 1 00
Forget-Me-Not.... "	1.00
Valley..... "	4 00
Marguerites..... "	.50— .75
Mignonette.....per doz.,	.25 .35
DECORATIVE.	
Asparagus.....per string,	$ .50—$ .60
Sprengeri.....per 100.	3.00— 6.00
Galax.....per 1000,	1.25
Galax.....per 100,	.20
FERNS, 1000, $2.50 "	.25
Adiantum.....per 100,	.75— 1.00
Smilax.....per doz ,	1.50— 2 00

Store open from 7 a m. to 8:30 p m. daily.
Sunday and holidays closed at noon

IT IS our aim to make our place at all times the most reliable source of supply in Chicago. We have large resources at all seasons, for Decoration Day shall be particularly well equipped, and expect to be able to take care of all comers. Among other items we shall have:

Beauties We have all season handled the cut of 45,000 Beauty Plants and they are now in heavy crop. Plenty long stems. Good quality for the time of year.

Paeonias This is a favorite flower for Decoration Day. Big show for little money. We expect to have enough for all. White, pink, red. Best sorts.

Tea Roses Our growers are sending in heavy cuts. Maids, good color; Meteor, fine; stock a little soft, but averaging up well with the best now in market.

Carnations All the latest varieties in good supply. Color holding well, fine stems. A very good grade of goods for the prices quoted.

Valley and Orchids We have choice Valley all the year around. Send to us for Cattleyas when you have a nice job on.

Green Goods Smilax is one of our specialties. We have it when it isn't to be had elsewhere, as was the case for a good while this spring. Also Asparagus, Sprengeri, etc.

Ferns Good Ferns are scarce. We are about the only unfailing source of supply in this market. True Berkshire stock. Considerable quantities still in cold storage. Per 100, 25c; per 1000, $2.50. Enough for everybody. Lay in a supply for Decoration Day now.

We can at all times supply everything which is to be had in the Chicago market. We keep enlarging our facilities just a step ahead of the increase in our business and are at all times ready to meet new demands upon us. Write, telegraph or, better yet, telephone.

E. C. AMLING.

The Largest, Best Equipped and Most Centrally Located Wholesale Cut Flower House in Chicago.

32-34-36 RANDOLPH ST. L. D. PHONES CENTRAL 1999 AND 1977 **CHICAGO, ILL.**

St. Louis.

MARKET STILL OVERLOADED WITH SECOND RATE MATERIAL.—ROSES AND CARNATIONS PRACTICALLY IMMOVABLE.—PÆONIAS DO FAIRLY WELL.—A VARIETY OF NOTES AND JOTTINGS.

The market is still glutted as badly as it was last week, especially in roses and carnations, they being sold at any price they will bring and a large amount dumped. Sweet peas are also quite plentiful but as yet have not become unmanageable, though there are a few more than are needed. Pæonias are selling quite lively at from $1 50 to $3 per hundred and are about the only item sold out clean. Some cornflowers are coming in and bring 25 cents per hundred. The stock that is sent in is principally of second grade and lower.

The fern house of the Missouri Botanical garden is at present pretty well torn up as they are transplanting the whole house and planting cycads in this range. The century plant in bloom is attracting quite a number of visitors to the Garden and things are looking well. Most of the transplanting has been done. Shrubs are well in flower.

Geo. M. Kellogg, of Pleasant Hill, Mo., has been in the city a few days and reports that out his way things are looking fine. He has put up a number of new Beauty houses and is going to take good care that thrips do not get ahead of him. He lost a large portion of his crop last year on account of this pest.

Mr. Scheidegger, of Kirkwood, was in the city on Sunday. He is sending in some very fine Katherine Tracy peas, and several other varieties that are well grown.

Fred. Ammann, at Ewardsville, has his new Beauty house finished and we hope that he will have better luck this year than last. R. J. M.

FREEPORT, ILL.—John Bauscher, Jr., is cutting large quantities of carnations and shipping many to out of town buyers and to the Chicago market. The other day 15,000 went to Chicago in one shipment.

Asparagus
PLUMOSUS NANUS....

From flats, $2.50 per 100; $20.00 per 1000. 25 at 100 rates; 250 at 1000 rates, prepaid. CASH.

LOOMIS FLORAL CO.
LOOMIS, CAL.

S. S. SKIDELSKY,
708 N. 16th Street,
PHILADELPHIA, PA.
CORRESPONDENCE SOLICITED.

JOSEPH HEACOCK,
Wyncote, Pa., Grower of
Palms and Am. Beauty Roses.

The New White

That is Hard to Beat. Rooted Cuttings from flats. A No. 1, stuff. Per 100, $4.50; per 1000, $40.00.

ASPARAGUS PLUMOSUS NANUS.

Fine bushy stock in large quantity.

	Doz.	100	1000
-inch pots	$4.00	$30.00	
4-inch pots	2.00	15.00	
3-inch pots	1.00	8.00	$70.00
2½-inch pots	.60	5.00	40.00

ARAUCARIA EXCELSA. A Big Bargain.

5-inch pots, 18 to 20 inches high, 4 to 6 whorls, each, 75c; dozen, $9.00.

PHŒNIX CANARIENSIS.

Fine bushy plants, 8-inch pots, 36 inches high, each, $2.50; dozen, $24.00.

BOSTON FERNS.

In pans, grown the way you like them, full, bushy, compact stock, ready for your counter trade.

	Each	Doz.	100
12-inch pans	$4.00	$40.00	
10-inch pans	3.00	30.00	
9-inch pans	2.00	20.00	
8-inch pans	1.50	15.00	
7-inch pans	1.00	10.00	
5-inch pans	.50	5.00	$40.00
4-inch pots		2.50	20.00
3-inch pots		1.50	10.00
2½-inch pots		.60	5.00

Started Plants of Cannas,
a full line of all the leaders. Write for prices.

VAUGHAN'S SEED STORE,
GREENHOUSES: WESTERN SPRINGS, ILL.
84 & 86 Randolph Street, CHICAGO.
14 Barclay Street, NEW YORK.

IF YOU WANT

Cannas in 3 and 4-in. pots, Caladiums in 6-in. pots, Verbenas, Pansies, Ageratum, Salvia, Heliotropes, Vincas, English Ivy, Asters. If you want

GERANIUMS in 3 and 4-inch pots—Red, White, Pink, Salmon, Rose, Ivy and Pelargonium, Mme. Salleroi. If you want

Smilax, Asp. Plumosus, Asp. Sprengeri.

If you want ROSES You are interested. See our list in last week's number of this paper. Especially fine **PERLES** in 3x2½-inch.

BOSTON FERNS.

Don't fail to write us about them, or better yet, **Order a Hundred for a Sample.** 2½, 3, 4, 5, 6, 8 and 10-inch. **Write**

GEO. A. KUHL, PEKIN, ILL.

Geraniums

STANDARD VARIETIES, 3½-in. pots, $6.00 per 100; $50.00 per 1000.

CANNAS, standard varieties, 4-in. pots, $7.00 per 100; $60.00 per 1000.

EUGENE LEWIS, ELMIRA, N. Y.
Please mention the American Florist when writing

ASTER Plants

Semple's Branching and Queen of the Market, in white, pink, blue and red, fine plants, grown from the finest seed saved by myself, at $2.50 per 1000; 40c per 100.

J. C. SCHMIDT, BRISTOL, PA.

SPECIALTIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery,
CHRYSANTHEMUMS,
SMILAX, VIOLETS.

In Best Varieties

Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.
Please mention the American Florist when writing.

ROSES **BRIDES and MAIDS,** fine, 3-inch pots, $3.50 per 100.
Ceraniums, 3 and 3½-inch pots—Double Grant, S. A. Nutt, Murkland and double deep pink at $5 per 100. The above varieties from 2¼-inch pots, $2.50 per 100. Assorted, 2½-in. pots, $2.50 per 100.
Alternanthera, (2 varieties). Golden Bedder and assorted Coleus, German Ivy and 3 varieties of Ageratum, 2-inch pots, $1.50 per 100. Rooted cuttings of Alternanthera and assorted Coleus, 55c per 100; $5.00 per 1000. Cash please.
R. I. HART & BRO., HACKETTSTOWN, PA.

FERNS.

Mixed varieties, strong stock and good assortment, in 2-inch pots $3.50 per 100; $30.00 per 1000.

BEARD BROS., West Fort Street, ...DETROIT, MICH.
Please mention the American Florist when writing.

50,000 Canna Roots

Alphonse Bouvier, Mme. Crozy, Chas. Henderson, Marquant, Burbank, $12.50 per 1000; $1.50 per 100. Mixed, $10 00 per 1000; $1.25 per 100.

MICHIGAN CUT FLOWER EXCHANGE,
DETROIT, MICHIGAN.
Please mention the American Florist when writing.

Specialties for School Closings and Decoration Day

Baskets, Ribbons, Silk Cords, Moss Wreaths, Cycas Wreaths, Cycas Leaves and Cut Flowers

OF ALL KINDS. BUY OF HEADQUARTERS.

Decoration Day Prices, TAKING EFFECT MONDAY, MAY 26, 1902.

CUT FLOWERS.

ROSES—American Beauties—Select	per doz.,	$3.00 to $4.00
" " Medium	"	1.50 to 2.50
" " Short	"	.75 to 1.00
Meteors, Liberty	per 100,	4.00 to 10.00
Brides, Bridesmaids, Kaiserins	"	4.00 to 7.00
Perles	"	3.00 to 6.00
Our Selection, assorted	"	3.00 to 4.00
Good Seconds	"	4.00

We also have a limited supply of Golden Gate, La France Liberty, Wootton and newer varieties.

CARNATIONS—Extra Select	per 100,	$3.00 to $4.00
Good Quality	"	1.50 to 2.00
Our Selection, assorted	"	1.00 to 1.50

Our supply of Cernations consists of all the new and standard varieties, also novelties.

ORCHIDS—Cattleyas, select	per doz.,	$6.00 to $8.00
Assorted Sprays, etc	per box,	5.00 to 25.00

We carry Orchids in regular stock, although it is advisable to give us as much time as possible on orders.

MISCELLANEOUS.

Valley—Extra Select, indoor	per 100,	$4.00
Outdoor	"	2.00 to $3.00
Mignonette	"	1.00 to 2.00
Marguerites	"	.75 to 1.00
Forget-Me-Not	"	.75 to 1.00
Pansies	"	.50 to .75
CAPE JASMINE	"	1.00 to 3.00
Tulips	per 100,	$2.00 to $3.00
Callas	"	8.00 to 12.00
HARRISII and LONGIFLORUM	"	10.00 to 12.00
Sweet Peas	"	.75 to 1.00
White	"	1.00
GLADIOLUS—White	per doz., $ .75	" 5.00
Mixed colors	" 1.50	" 10.00
PAEONIAS—White, Pink, Red	per doz., .50 to .75	" 3.00 to 6.00

DECORATIVE STOCK.

Ferns—Adiantum	per 100,	$ .50 to $1.00
Common Fancy, scarce, subject to advance, per 1000, $2.50	"	.30
Ivy Leaves	per 1000, $5.00	" .60
Calax Leaves—Green	" .75	" .15
Bronze	" 1.00	" .20
Leucothoe Sprays	" 7.50	" 1.00
Smilax—Select	per doz.,	1.50 to 2.00
Asparagus Plumosus—		
Select Strings	each, 50c to 75c	" 6.00 to 8.00
Sprays	bunch, 50c	
Sprengeri	"	.25 to .50
Sabal Palm Leaves—Artificial	per 100,	3.00 to 5.00

Any flowers in or out of season, if obtainable anywhere, can be had from us, whether quoted or not.
Careful packing, prompt shipment, fair treatment to all.
No order too large, none too small.
Packing and delivery at cost.

Prices quoted are subject to change without notice. Extra Select and inferior grades billed according to value.

McKellar & Winterson Co.

45-47-49 Wabash Ave., CHICAGO.

WANTED....

One or Two Pairs each of

Oleander and Scarlet Hibiscus

Specimen plants. Give full particulars (with photo if possible.)

VAUGHAN'S SEED STORE, Chicago.

Roses. From 5-in. pots at 9c, fine clean plants; Clothilde Soupert, Gen. Jacqueminot, Coquette des Blanches, La France, Malmaison, etc. Large-flowered **CLEMATIS**—The finest purple, white, lavender and red sorts; 2-year from 5-inch pots, 18c; fine 1-year, at 9c. Clematis Paniculata 2-year from 5-inch pots, 10c; extra from 6-inch pots 18c. **AMPELOPSIS VEITCHII**—From 4-inch pots, 8c; from 3 inch pots, 5c. Packing free for Cash.

W. H. SALTER, Rochester, N. Y.

Cannas.

Austria from 3-inch pots.....$3.00 per 100
Chas. Henderson, from 3-inch pots...$4.00 per 100

ALTERNANTHERAS. Strong rooted cuttings, red and yellow, 50c per 100; $4.00 per 1000.

DAVIS BROS., Morrison, Ill.

Surplus Stock at a BARGAIN

300 Areca Lutescens, 3-in. pots, at $6.00 per 100.
150 Areca Lutescens, 6-in. pots, at 50c each.
100 Kentia Bel. and Forst., 5-in. pots, 30c each.
600 Kentia Belmoreana, 3-in. pots, at $10 per 100.
1500 Kentia Forsteriana, 3-in. pots, at $10 per 100.
1000 Kentia Forsteriana, from boxes, strong, at $8.00 per 100.
700 Kentia Belmoreana, from boxes, strong, at $8.00 per 100.
1000 Latanias, 3-inch pots, at $5.00 per 100.
50 Pandanus Utilis, 6-in. pots, at 50c each.
75 Pandanus Utilis, 5-in. pots, at 30c each.
30 Ficus Elastica, fine, 8-in. pots, 5 to 6 feet at $1.25 each.
50 Ficus Elastica, fine, 8-in. pots, 4 ft., 75c each.
2500 Asparagus Sprengeri, 3-in. pots, $3.00 per 100.

WALKER & McLEAN, YOUNGSTOWN, OHIO.

ROSES! ROSES!

Some nice 3-in. Golden Gate ready now at $5.00 per 100, and a few hundred 3-in. Beauties ready in two weeks at $10.00 per 100. It will be wise policy to engage this stock **now.** **Good Beauties** are scarce.

A few hundred 4-in. Geraniums, Heteranthe, at $8.00 per 100. **Cannas,** strong, $7.00 per 100. **Coleus,** $2.50 per 100

W. H. GULLETT & SONS, Lincoln, Ill.

Giant Cactus,

4 to 5 feet high, 10 to 14 inches in diameter. Grand specimens of these sensational decorative plants.

Write for prices....

HEADQUARTERS FOR

HORTICULTURAL SUPPLIES

Of Every Description.

When you can't get what you want anywhere else, send here, we will send it to you.

"If it's used in Horticulture, we have it."

DUNNE & CO., 54 W. 30th St., New York.
Telephone Call, 1700 Madison Square.

Please mention the American Florist when writing

GERANIUMS IN BLOOM.

Fine stocky plants, 4-inch $8.00 per 100; 3-inch $5.00 per 100. Cash or C. O. D.

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

Providence, R. I.

TRADE ON THE DECLINE FOR THE FIRST TIME THIS YEAR.—BEDDING PLANT TRADE THE PRINCIPAL DEPENDENCE.—PERSONAL AND TRADE DOINGS.

The past week has been the dullest since the first of the year, all hands reporting a noticeable slackening in the call for design work. The weather has been cool and clear, just right for planting bedding stock. Cut flower prices rule as follows: Carnations, $1.50 per hundred; roses, $3 to $6; lilies, $6 to $8. Small white flowers are scarce, and ferns are hard to obtain of good quality. It looks as though there will be a good supply of flowers for Memorial day, with a shortage in all kinds of green stock. Several florists are talking of abandoning the old-time 50-cent bouquet and trying to obtain a better price for their hard efforts at that time.

S. J. Reuter, of Westerly, exhibited some fine examples of high grade carnations at the recent meeting of the local Florists' Club, his best white being the Mary Wood, grown to perfection.

The Budlongs are making good progress with their greenhouse building and promise to be a factor in next year's production.

Cushing, of Quidneik, has fallen off on the quantity of his carnation cut. He has cut very heavily up to the present time.

The quality of pinks is slightly on the decline, although appearances promise a good cut for a full month yet.

M. Sweeney is using a large shipment of geraniums in his bedding work just now.

Mr. Hazard now devotes most of his time to his downtown place.

T. F. Keller's showing of metal designs is worthy of mention. M. M.

GREENSBORO, N. C.—Peabody Park at the Normal and Industrial College, for which G. F. Peabody donated the sum of $10,000, is to be laid out and beautified and when completed will be one of the most beautiful recreation spots in the south.

ROSE PLANTS

Well Established Plants from 2 1-2-inch pots.

	Per 100	Per 1000
BRIDE	$3 00	$25.00
BRIDESMAID	3.00	25.00
PERLE	3.00	25.00
GOLDEN GATE	3.00	25 00
METEOR	3.00	25.00

All plants sold under express condition that if not satisfactory when received they are to be returned immediately, when money will be refunded.

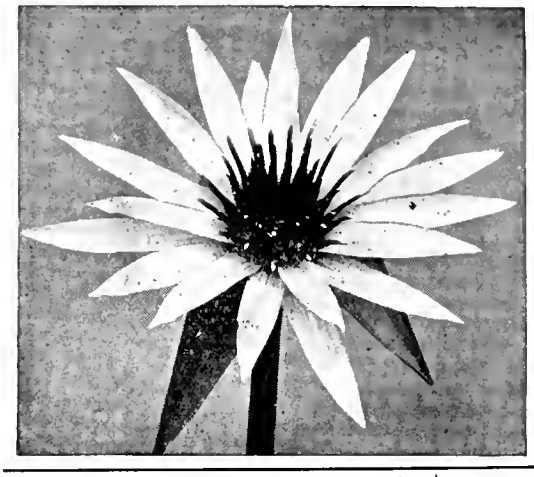
PETER REINBERG,
51 Wabash Avenue, CHICAGO.

All The Best **CARNATIONS**

FORTY VARIETIES, nearly all from soil. Send for prices on what you need.

GEO. HANCOCK & SON,
GRAND HAVEN, MICH.

Hardy and Tender Water Lilies



NELUMBIUMS, VICTORIAS.

We have the most complete collection of Aquatic plants in the world. It embraces all the American and French hybrids and native and foreign species. For prices see Spring Edition of Dreer's Wholesale List, which is sent to the trade only

If uncertain what to plant, write us what your facilities are and we shall be pleased to assist you with practical suggestions.

HENRY A. DREER
714 Chestnut St., Philadelphia.

NEW CROP DAGGER FERNS Now ready, $1.50 per 1000. They are extra choice; a sample lot will convince you they are the best in the market.
BOUQUET GREEN, 5c per lb.
BRONZE and GREEN GALAX, A1 quality, 75c per 1000. Discount on large orders. Send for samples of our **LAUREL WREATHS** for Memorial Day. Just what you want. We send out the finest Laurel Festooning in the market; fresh made, 4c, 5c, and 6c per yard. Discount on large quantities. Send us your orders for Memorial Day early and they'll be promptly filled with the Best

Millington, Mass.
Tel. office, New Salem.
Please mention the American Florist when writing.

Shasta Daisy

THE LATEST FLORAL WONDER.

Plants 25c each; $2 50 per doz.; $15.00 per 100; $100 00 per 1000. 25 at 100 rate. 500 at 1,000 rate.

CALIFORNIA CARNATION CO.
LOOMIS, CAL.

2 1-4 inch Beauties

We have a fine lot of 2¼-in. Beauties at $5 a 100; $45 a 1000; also the following Teas:

BRIDE	$2.50 per 100;	$22.50 per 1000
MAID	2.50 per 100;	22.50 per 1000
METEOR	2.50 per 100;	22.50 per 1000

ORDER AT ONCE.

GRAND RAPIDS VIOLET CO.
GRAND RAPIDS, MICHIGAN.
Please mention the American Florist when writing.

GALAX Bronze or green, 75c per 1000, in 2 00 lots or over; single 100), $1.00. Fern, Fancy, $2.50 per 1000; Fern, Dagger, $1 50 per 1000. Leucothoe Sprays, bronze and green, assorted sizes, $1 per 100. Green sheet moss, $2.50 per bbl. bag.

L. J. KRESHOVER.
110-112 W. 27th Street, NEW YORK CITY.
Telephone call, 597 Madison Square.
HARRY A. BUNYARD, Mgr.
Please mention the American Florist when writing.

FOR MEMORIAL DAY.

NEW CROP DAGGER FERNS
Are now ready, A No. 1 quality, $1.50 per 1000.

BOUQUET GREEN
Princess Pine, 6c per lb.

BRONZE AND GREEN GALAX,
5000 lots, 75c per 1000.

LEUCOTHOE SPRAYS
75 cents per 100.

LAUREL FESTOONING
4c, 5c and 6c per yard. LAUREL WREATHS, to order, any size.

BOSTON, May 3rd, 1902.

We would respectfully inform the trade that our new crop of Dagger Ferns is now ready and they are A No. 1 quality. We carry a full assortment of Florists' Hardy Supplies as follows: Bronze and Green Galax, Hardy Cut and Fancy Ferns, Bouquet Green, Laurel Festooning, Laurel Wreaths, Bundle Laurel, etc.

P. S.—Extra choice Dagger Ferns, $2.00 per 1000. Satisfaction guaranteed and quick delivery. Order them now and avoid disappointment and the rush. Long distance telephone, 2618 Main.

HENRY M. ROBINSON & CO.
32-34-36 COURT SQ., BOSTON, MASS.

Bedding Geraniums

White Swan (double white), Mrs. Gaar (single white), Jacquerie (scarlet), Mrs. Francis Perkins (double pink), at $6.00 per 100, out of 4-inch—fine stocky plants. Jean Viaud, the best pink, 5-inch, very strong, $8.00 per 100. Dryden, the silver medal winner at Buffalo, $6 00 per 100.

Write us for prices on **CHRYSANTHEMUMS.**

CASH PLEASE.

HENRY EICHHOLZ, Waynesboro, Pa.

BEDDING PLANTS.

	Per 100
Geraniums, 4-inch	$5.00
Salvias, 2½-inch, $2; 3-inch	3.00
Begonias, Flowering, 3-inch	3.00
Vernon, " 2¼-inch	2.00
Sweet Alyssum, 2½-inch	2.00
Saxifraga, 3-inch	3.00
Cannas, Charlotte, Henderson, Honvier, Flamingo and others, 4-inch $5; 3-inch	3.00
Petunia, double and single, 4-inch	6.00
Verbenas, 3-inch	3.00
Ageratum, blue, 3-inch	3.00
Spotted Calla, in bloom, 5-inch	10.00
Bellis Perennis, fine plants, $5 per 1000	.75

J. S. BLOOM, Riegelsville, Pa.

WIETOR BROS.

51 Wabash Ave., Chicago, Ill.

PRICE LIST
For Decoration Day.

Beauties, long stems, per doz.			$1.00
" medium,	"	$1.50	3.00
" short,	"	.75	1.25
Bride	per 100	4.00	6.00
Maid	"	4.00	6.00
Meteor	"	4.00	6.00
Perle	"	3.00	5.00
Golden Gate	"	4.00	6.00
Roses, our selection	"	3.00	4.00
Carnations, good	"	2.00	3.00
" fancy	"	3.00	4.00
Pæonias	"	5.00	6.00

WE ARE strictly headquarters for fine **American Beauties;** a very heavy cut and the best goods in town. Also we are strong on **Roses** and **Fancy Carnations** for

Decoration Day.

We want your order, large or small, and will give it the **Best of Attention.**

BEST GOODS. Careful Packing. RIGHT PRICES.

NEW CARNATIONS.
Cresbrook and Fair Maid, strong, from soil, $1.50 per doz.; $10.00 per 100; $75.00 per 1000.

CHRYSANTHEMUMS
Fine strong plants from 2¼-inch pots, ready now. Our selection, all good standard sorts, $20.00 per 1000. We have many other varieties than here listed. Send for complete list. Price per 100:

T. Eaton	$4.00	R. Halliday	$4.00
Nellie Pockett	8.00	Major Bonnaffon	3.00
Lady Roberts	8.00	Philadelphia	5.00
Mrs. E. D. Smith	6.00	Pennsylvania	5.00
Golden Beauty	8.00	Modesto	3.00
Mrs. Chamberlain	8.00	Nagoya	3.00
Mme. F. Bergmann	3.00	M. de Montmort	3.00
Willowbrook	3.00	Glory of the Pacific	3.00
Merry Monarch	3.00	Lady Harriett	6.00
Polly Rose	3.00	Maud Dean	4.00
G. S. Kalb	3.00	Xeno	3.00
Ivory	3.00	Geo. W. Childs	4.00
Mrs. J. Jones	3.00	Intensity	4.00
H. A. Parr	3.00		

H. WEBER & SONS, Oakland, Md.

Rose Plants

Strong plants from 2½-inch pots, choice stock in every particular.

	Per 100	Per 1000
BRIDE	3.00	25.00
BRIDESMAID	3.00	25.00
METEOR	3.00	25.00
GOLDEN GATE	3.00	25.00
PERLE	3.00	25.00

GEO. REINBERG,
51 Wabash Ave., Chicago.

AMERICAN BEAUTY 3-inch $7 per 100.

ALLEN & OCKERLUND,
114 Winona Ave., Sta. Ravenswood, Chicago.

Rose Plants for Sale

GOOD CLEAN STOCK, WELL ESTABLISHED.

Brides, Bridesmaids, Meteors and Golden Gates,

2-in. rose pots, $30 per 1000; 3-in. rose pots, $45 per 1000; 4-in. rose pots, $60 per 1000.

CHRYSANTHEMUM ROOTED CUTTINGS.... **TIMOTHY EATON, $3 per 100.**

Greenhouses, HINSDALE, ILL. **BASSETT & WASHBURN,** Store, 76 Wabash Ave., CHICAGO.

The Sensational New Rose for 1902.

MRS. OLIVER AMES.

For description, prices, etc., see Trade List.

$100.00 IS OFFERED IN PRIZES for Cut Flowers of this Rose at Madison Square Show next fall.

Extra fine plants of the grand pillar rose **CRIMSON RAMBLER**, from $2.00 to $6.00 per dozen, according to size and age. Also all the **STANDARD** forcing roses in variety, now ready for shipment.

JOHN N. MAY, Summit, N. J.

Toronto.

TRADE FALLING OFF IN THE STORES AND STOCK ACCUMULATES IN GROWERS' HANDS.—CARNATIONS OVERPLENTIFUL FOR THE FIRST TIME THIS SEASON.—NOTES OF THE STATE OF TRADE AND OTHER MATTERS.

Retailers have noticed a diminuation in the figures on the cash register the past week and with the growers stock is accumulating rapidly. It is not the quality that keeps it from selling, for stock is exceptionally fine and, contrary to reports from other localities, our Brides and Bridesmaids were never better. Beauties are not so good, as many seem affected with the blight and others are of very poor color, but Meteor, Perle and Morgan are quite up to the mark. Liberty, if not a complete failure with us the past season, was nearly so, and very seldom are they seen. A few good Hoste and occasionally Golden Gate make their appearance. Carnation growers report the same state of oversupply, for the first time since last season, consequently some very good ones are seen. The most remarkable are Prosperity, which are beautifully colored, and with good strong stems, a failing of this variety being weak stems. Lorna is also doing well, as are most other varieties at present.

The recent heavy frost damaged the early crop of tulips, but later varieties are commencing to come in and are in good shape. Previous experience with this same element kept the young carnation plants from a nip so badly felt in the northern part.

From present indications there will be a palm slaughter in a few weeks. Most firms have bought heavily; in fact, they have arrived by the car-lot and no doubt the department stores will derive the benefit.

Wholesale plantsmen report good sales for the early season. H. G. D.

HOLYOKE, MASS.—The horticultural society is considering the advisability of abandoning its June rose show because of lack of public appreciation.

NEW DURHAM, N. J.—Jerome W. Bolmer died in the hospital May 15, from blood poisoning, the result of a slight cut on his thumb two months ago. It is presumed that the poison of an insecticide solution must have entered his system through the wound. He was 30 years old and leaves a wife and two children, one of them born last month.

SPECIAL TRADE LIST FOR THE MONTH OF MAY.....

	Size of pots.	Per doz.	100
Asparagus Sprengeri	2	.25	$ 2.00
Ageratum, dark and light blue	3	.50	4.00
Aloysia citriodora, from	2½	.50	4.00
Bouvardias, single and double, white, pink and scarlet	2	.40	2.50
Bouvardia Humboldtii, jasmine flowering, sweet scented	2	.40	3.00
Clematis, large flowering varieties, strong plants		4.00	
Clematis Paniculata, strong plants	4	1.50	10.00
Clematis Paniculata, strong plants	3	.75	5.00
Cobæa Scandens	3	.50	4 00
Geraniums, best bedding varieties	3	.50	4 00
Geraniums, Mrs. Parker	2½	.75	5 00
Lobelias, Emperor William, Pumila splendens pure white	2½	.40	3 00
Lantana, Lemoine best dwarf var.	2½	.40	3.00
Petunia, double white	2½	.40	3 00
Umbrella Plants	3	.75	5 00
Salvia Splendens	3	50	4.00
Verbenas, fine assortment	2½		3 00
Violets, the California, La France, Princess of Wales, Schoenbrun		.40	3.00
Aster Plants, Queen of the Market, Semple's Branching, separate colors			1.00
Chrysanthemums, best stand. var.	2½		3.00
Chrysanthemums, plants from soil			1.50
Chrysanthemums, rooted cuttings, from sand bed			1.00

SEND FOR LIST OF VARIETIES.

C. EISELE, 11th and Jefferson Sts., Philadelphia, Pa.

Decoration Day

Is here but lilacs and daffodils are gone; therefore

Send to Sutherland

FOR ROSES, CARNATIONS, ASTILBE, STOCKS, LILIES and Other Good Material,

Of which he will have a plentiful supply. Also MOSS AND METAL WREATHS and all kinds of Patriotic Inscriptions and Emblems. Send for prices at once to

George A. Sutherland, 34 HAWLEY STREET, BOSTON, MASS.

ARECA LUTESCENS, per doz.—2½-inch, 75c; 3 $1; 3½, $2; 4, $3.
KENTIA BELMOREANA, doz.—2½-in., $1.50; 3, $2; 3½, $3; 4, $3.60.
KENTIA FORSTERIANA, per doz.—2½-in., $1.50; 3-in., $2; 3½-in., $3; 4-in., $4.
LATANIA BORBONICA, per doz.—2½-in., 60c; 3-in., $1; 6-in., $7.20; 7-in., $10; 8-in., strong, $18.
PANDANUS VEITCHII, per doz.—5-in., $12; 6-in., $18; 7, $30; 8, $42.
NEPHROLEPIS BOSTONIENSIS, per 100—2-in., $4; 3-in., $8. Per doz.—5-in., $3; 7-in., $9; 8-in., $12; 9-in., $18; 10-in., $24.
ASPARAGUS PLUMOSUS NANUS, 2-in., $1 per 100; 3 in., $8 per 100.
ASPARAGUS SPRENGERI, per 100—2-in., $3; 3-in., $8; 4-in., $12; 5-in., $15.
ARAUCARIA EXCELSA, 4-in., $6 per doz.
FERNS FOR DISHES, Etc., $3 per 100.
FERN BALLS, well furnished with leaves, $3 to $5 per doz.

The GEO. WITTBOLD CO.

1657 Buckingham Pl., Chicago.

EARLY TOMATO PLANTS.

Stocky, transplanted plants, grown from best seed, 2 to 3 inches high, $2.00 per 100; 6 to 8, $5.00; 10 to 12, $7.50. Write for our price list of vegetable plants.

Frank Shearer & Son, GARDENERS, Binghamton, N. Y.

THE COMING FERN IS MY NEW NEPHROLEPIS

"ANNA FOSTER"

DELIVERY IN SEPTEMBER.

Orders booked now at $25 per 100 for small plants. Larger plants, prices on application.

L. H. FOSTER, 45 King St., Dorchester, Mass.

Carnations, Geraniums Cannas, Etc.

Prices quoted upon application.

The Cottage Gardens, Queens, L. I.

American Florist Advertisements Work Every Day.

WE CARRY

The Largest and most Complete Stock of DAHLIAS in the World

1902 DAHLIAS Admiral Schley, Eureka, Gold Standard, Black Bird, Pink Dandy, Leone, Profusion, Alba Superba, Gaillardia, Judah and Olympia. All sterling American varieties.

20th Century Collection of 1901 contains 14 superb new American Dahlias.

Send for our up-to-date dahlia catalogue. Also special list of cut flower dahlias, before ordering elsewhere.

W. P. Peacock, DAHLIA Specialist Atco, N. J.

$7.50 Per Thousand

CARNATIONS from soil, clean healthy stock. 2000 McGowan, 8000 Wm. Scott, 5000 Thos. Cartledge.

1000 Mme. Bruant, best red, in bloom and bud, 4-inch, $6.00 per 100

1000 Canna Florence Vaughan, 4-in., $6.00.

1000 Austria, 4-inch, $6.00.

John F. Horn & Bro., Allentown, Pa.

Please mention the American Florist when writing

RIGHT IN IT FOR

Decoration Day!

A superb supply of Longiflorum Lilies, Carnations, Roses, Pæonias, Astilbe, Stocks, Lily of the Valley and other flowers for which the call will be heavy owing to the advanced season for outdoor flowers. Don't delay until you find yourself stuck. **ORDER NOW.**

SPECIAL ANNOUNCEMENT.

CARNATIONS, Rooted Cuttings.

5000 Edith Foster, at $1.50 per 100, and a few Robin Hood, Marquis, Dorothy, Uncle Walter and Crane, at $4.00 per 100.

N. F. McCarthy & Co.

WHOLESALE DEALERS and SHIPPERS OF..... CUT FLOWERS,

84 Hawley St., BOSTON.

"Indispensable"

EDITION OF 1902, POSTPAID, $2.00

This is the only word which describes the American Florist Company's Directory, just out. This book, 418 pages of facts tersely told, is issued annually and is an aid to business and money making which no wholesaler or traveling salesman can afford to be without. It contains the name of every Florist, Nurseryman and Seedsman, arranged both by states and towns and alphabetically; and new lists of Gardeners or Superintendents of private estates, Experiment Station Horticulturists, Landscape Architects and Horticultural Supply Concerns. It will save many times its cost by enabling you to cover America with your catalogue and at the same time waste no printed matter or postage on dead names.

AMERICAN FLORIST CO.,

324 Dearborn St.,
CHICAGO, ILL.

Pittsburg.

HOT WEATHER CUTS A HOLE IN DEMAND AND RECEIPTS PILE UP.—SOME GOOD STOCK IN EVIDENCE.—BIG BUSINESS IN BEDDING PLANTS.—NO SHOW THIS SPRING.—NOTES.

The excessively warm weather has very suddenly cut off demand at the moment supplies increased and the craft is dependent upon orders for several large wedding decorations and a number of luncheons and dinners which were booked in advance. In roses the Kaiserin leads; they are magnificent. Brides and Bridesmaids are still deteriorating and some of this stock is mildewed. Home grown Liberties are very fine and Perle and Jacqueminot are also very good. Genevieve Lord, Hector, Mrs. Bradt, Prosperity, Flora Hill and Mrs. Joost are the leaders in carnations. Lily of the valley is only fair. Mignonette and asparagus is good and quite plentifnl.

The Pittsburg and Allegheny Florists' and Gardeners' Club held a special meeting, May 20, to pass upon the advisability of having a public flower show. After much discussion it was decided not to have one.

The sale of bedding plants has been enormous. Shipping orders alone will sum up to an extraordiuary figure. Pittsburg is the base of supplies for bedding plants within a radius of seventy-five miles.

The shortage of moonvines last year caused the various florists to prepare for an increased demand this spring, but it again looks as though a shortage is inevitable.

The catastrophe at Sheridan, a suburb of Pittsburg, caused by an explosion of naptha, cost thirty-three lives and created unusual activity in funeral work.

W. C. Beckert reports that his business has shown an unusual increase over last year.

Blind Brothers are sending in some remarkably fine geraniums.

E. L. M.

RANDOLPH, VT.—F. Burnell, who has been in the employ of H. M. Totman, has bought an interest in the concern and the firm name will be Burnell & Totman hereafter.

Cannas, Roses, Palms, Etc.

CANNAS. Strong, 3-in. pot plants, unless noted at $4 00 per 100.
Florence Vaughan, Italia, Queen Charlotte, Pres. Cleveland, J. D. Cabos, Sophia Buchner, Egandale, Burbank, Duke of Marlborough, Alsace, Robert Christie.
Martha Washington, at $6.00 per 100.

ROSES. A general assortment of Everblooming varieties, strong, 2-inch and 2½-inch pots, $2.50 per 100; $20.00 per 1000.

GERANIUMS. S. A. Nutt, Mme. Barney, Richelieu, La Favorite, John Doyle, Mme. Charles Molin and Beaute Poitevine, $30.00 per 1000.

	Per 100
Marquis de Castellane	$6.00

Set of 4 New Bruants for 60c.
Set of 8 New Doubles for $1.50.
In good assortment, our choice of varieties, $27.50 per 1000.

	Per 100
PRIMULA FORBESI	$3.00
HELIOTROPES	2.00
SELAGINELLA Emmeliana	2.00
FUCHSIAS, in good assortment of varieties, 2½-in. pots	2.50
BEGONIAS—Vernon and Vulcan	2.50
LANTANAS in variety	2 50

PALMS.

Areca Lutescens, 2½-in. pots, $30.00 per 1000	4.00
Areca Lutescens, 3-in. pots	8.00
Areca Lutescens, 4-in. pots., 3 plants in a pot	20.00
Kentia Belmoreana, 2½-in. pots	7.00
Kentia Belmoreana, 3-in. pots	15.00
Latania Borbonica, 2½-in. pots	3.00
Latania Borbonica, 3-in. pot, $40 per 1000	5.00
Pandanus Utilis, 2½-in. pots	5.00
Pandanus Utilis, 4-in. pots	15.00
Pandanus Veitchii, 4-in. pots, $6.00 per doz.	

The Storrs & Harrison Co.

PAINESVILLE, OHIO.

Geraniums, Petunias, Asters.

GERANIUMS We are still offering the following Superb varieties, extra strong rooted cuttings, which will make salable 2½-in. stock in short notice, labeled and true to name, $1 50 per 100; $14.00 per 1000: S. A. Nutt (best crimson bedder), E. G. Hill, F. Perkins, Beaute Poitevine, Mme. Bruant, Duchess of Orleans, Thos. Meehan, Alphonse Riccard, L. P. Morton, Athlete, J. J. Harrison, E. Kelway, Mme. Jaulin.

DOUBLE FRINGED PETUNIAS Ten novelties, mostly light colors, labeled, fine plants in bud and bloom, from 2½-in. pots, $2.00 per 100; $18.00 per 1000. Same varieties from 2¼-in. pots, $1.75 per 100; $15.00 per 1000. Rooted cuttings, $1 per 100; $8 per 1000.

ASTERS Giant Comet, colors white, pink, blue or crimson. Plants from 2½-in. pots, $1.25 per 100; $12.00 per 1000. Cash with order.

THE W. T. BUCKLEY PLANT CO., SPRINGFIELD, ILL.

Wittboldii Ferns....

A rare chance to get stock of this fine fern cheap. 2½-in. $5, 3-in. $8, 5-in. $20 per 100. Bench plants, good for 2½-in. $3, 3-in. $5, 4-in. $6, 6-in. $25 a 100.

	Per 100
ALTERNANTHERA, pot plants, red, yellow, pink	$2 00
RUSSELIA Multiflora and Elegantissima, 2½-in.	3 00
BOSTON FERNS, 3-in.	$8 00
VINCA Major, strong	3 00
GERANIUMS, 6 vars.	3 00
COLEUS, 10 vars.	2 00

CASH PLEASE.

A. J. BALDWIN, Newark, Ohio.

Violet Plants

WELL ESTABLISHED		Per 100	1000
IMPERIAL	2¼-inch	$2.75	$25.00
MARIE LOUISE	"	2.75	25 00
FARQUHAR	"	2.75	25.00
SWANLEY WHITE	"	2.75	25 00
CAMPBELL	"	2.50	22.50

GRAND RAPIDS VIOLET CO.
GRAND RAPIDS, MICHIGAN.

A NEW BOOK

"How to Make Money GROWING VIOLETS"

by George Saltford, 30 years' practical experience. PRICE, 25 and 50 cents, postpaid—Money order preferred. VIOLET CULTURE CO.,
61 Quincy Street, BROOKLYN, N. Y.

..Violet Plants..

Ready for immediate shipment.

Imperial	$2.75 per 100	$25.00 per 1000
Swanley White	2.75 per 100	25 00 per 1000
M. Louise	2.75 per 100	25.00 per 1000
Lady Campbell	2.50 per 100	22.50 per 1000

Crabb & Hunter, Grand Rapids, Mich.

Please mention the American Florist when writing.

BEDDING Plants.

	Per 100	Per 1000
Roses, Brides and Maids, 2-in.	$2.00	$18.00
Dracæna Indivisa, 5-in.	10.00	
Heliotrope, 2-in.	2.00	18.00
Lobelia, C. P. C. and White Gem, 2-in.	1.50	
Salvia Bonfire, 2-in.	2.00	18.00
Smilax, from flats, 25c; by mail	.30	
Asters, best strains, strong transplanted	.50	
Asparagus Plumosus Nanus, 2-in.	3.00	
Vincas, 2-in.	1.50	
Centaurea Gymnocarpa and C. Candidissima, 2-in.	2.00	

CASH OR C. O. D.

McALLISTER & CO., Batavia, Ill.

GERANIUMS All the best varieties, extra fine plants. S. A. Nutt, Marvel, Grant, F. Perkins, Mme. Jaulin, La Favorite, Hill, etc., 4-inch in bud or bloom, $5.00 per 100. **PANSIES**, extra fine plants from cold frame, now in bud, $1.00 per 100; $8.00 per 1000. **DOUBLE DAISIES**, large plants, 75c per 100; $5.00 per 1000. **ASPARAGUS SPRENGERI**, seedlings from flats ready for potting, $1.00 per 100. Hill Top Greenhouses, 15-16 Gray Ave., Utica, N. Y.

Please mention the American Florist when writing.

IMPERIAL VIOLETS.

Fine, strong plants, from 2-in. rose pots, $2.50 per hundred; $22.50 per thousand.

Central Michigan Nursery,
KALAMAZOO, MICH.

GERANIUMS Several thousand S. A. Nutt, fine plants from 4-inch pots, in bud and bloom, $6.00 per 100. Cash or satisfactory reference.

J. J. ARNOLD, Homer, N. Y.

Another Victory For

NEPHROLEPIS PIERSONI

Awarded the $50.00 Cash Prize by the Council of the Horticultural Society of New York at the Exhibition held at the New York Botanical Garden, May 14 and 15, as being

The Best Horticultural Novelty

Not previously in General cultivation in America.

We were also Awarded For this Fern

THE GOLD MEDAL

Of the Massachusetts Horticultural Society at its March Meeting.

These substantial awards testify to the sterling merit of Nephrolepis Piersoni.

The plant is as easy to grow and propagate as the well-known Boston Fern, of which it is a sport, and which it will assuredly supplant in popular favor.

Admired wherever shown

Will be introduced to the Trade next Spring.

F. R. Pierson Company,

Tarrytown, N. Y.

'Mums

Standard Varieties

WHITE	YELLOW	PINK
Fitzwygram	Maj Bonnaffon	Glory of Pacific
White Ivory	Rieman	Pink Ivory
Mayflower	Yellow Mayflower	Viviand-Morel

Mrs. Jerome Jones—rooted cuttings, $1.50 per 100. From 2½-inch pots, $2.50 per 100.

Monrovia, earliest yellow, White Bonnaffon, Lavender Queen, Col. Appleton, yellow, Timothy Eaton, white, E. D. Smith, yellow, Mrs. W. B. Chamberlain, pink — Rooted Cuttings, $2.50 per 100. From 2½-inch pots, $4 per 100. Rooted Cuttings $3 per 100. From 2½-in. pots, $1.50

AMERICAN BEAUTY ROSES from 2½ and 3-inch pots, for $40 and $60 per 1000.

George Harrer, Morton Grove, Ill.

IVORY AND BONNAFFON

CHRYSANTHEMUMS.

Plants from 2-inch pots, $2.00 per 100; $18.00 per 1000. Ready for immediate delivery.

WM. MURPHY, Wholesale Florist,

Station F, CINCINNATI, OHIO.

CHRYSANTHEMUMS.

E. G. Hill, Robinson, Maud Dean, Yanoma, 15 other varieties out of 2½-inch pots, $2.00 per 100.

Col. Appleton, Modesto, Timothy Eaton, Goldmine, Nagoya, out of 2½-in. pots, $3.00 per 100.

Will exchange for Cannas or Palms.

A. D. Montgomery, 121 East Broad St. Hazelton, Pa.

Ready July 1

ASPARAGUS PLUMOSUS, 4-inch at $7.50 per 100; 3-inch at $5.00 per 100; $40.00 per 1000.

SMILAX, 2-inch at $1.50 per 100; $12.50 per 1000.

BONE MEAL, best for Florists' use at $3.50 per 200 lb. bag.

ALBERT M. HERR, LANCASTER, PA.

COLEUS.

Good stock, from 2-inch pots, in 10 sorts, per 100, $2.00. (No Golden Bedder or Verschaffeltii.)

CANNAS from pots. Burbank, Austria L. Vaughan, Mlle. Berat, F. Bismarck, C. de Bouchard, Allemania, Henderson, Egandale, F. Vaughan, per 100, $6.00

2-inch pots.	Per 100
Sweet Alyssum	$2.00
Sweet Alyssum, variegated	3.00
Swainsona Alba	3.00
Major Bonnaffon 'Mum	2.00
Dusty Miller (Centaurea Gym.)	2.00
Smilax	2.00
Moon Vines, white	3.00
Lobelia, trailing	2.00
Asparagus Sprenger	2.00
Carex Jap. Var.	3.00
Umbrella Plants	2.00
Lophospermum, climber	2.50
Vinca Vines, 2 varieties	2.50
Alba Picta Begonias	2.50
Alba Picta Begonias, 3-inch	5.00
Grevillea Robusta, 3-inch	5.00
Clematis Paniculata, good, strong stock, ready for 3 and 4-inch pots or planting out,	3.00

Cash or satisfactory reference with order.

GEO. L. MILLER, Newark, O.

Boston Ferns.

Fine plants, $25 per 100.

DRACÆNA INDIVISA, 6 inch, $6.00; 7-inch, $7.00 per doz.; 2 ft. up, extra fine.

KENTIAS, 6-in., $75 and $100 per 100.

20,000 GERANIUMS, 3½ and 4-in., in bud and bloom, $7 per 100, upwards. Nutt, Jaulin, Poitevine, Mt. Snow, La Favorite, etc., etc., and new ones—Jean Viaud, Jacquerie, Thos. Meehan, etc., etc., straight kinds.

VINCA VAR., long strings, 5 and 6 inch, $2.00 to $3.00 per dozen.

Alternanthera, 3 kinds, $15 per 1000.

L. H. Foster, 45 King St., Dorchester, Mass.

TAKE NOTICE.

An immense stock and full line of the choicest bedding plants now ready, and quote you the following low prices for cash, out of pots:

Ageratum, blue, $7.00 per 100.

Begonia Vernon, red, and **Erfordi,** pink, just beautiful, $8.00 per 100.

Begonias, best mixed, Santo Sonia, Pres. Carnot and others, $1.00 per dozen.

Calendula, pure yellow, $6.00 per 100.

Fuchsia, mixed varieties, 4-in. pots, $8.00 per 100; 5-in., $1.50 per doz.

Geraniums, have 10,000 of them, such as Mme. Thibaut, double pink; La Favorite, double white, and other varieties in 4-in. pots, $7.00 per 100.

Heliotrope, 4-in., $7.00 per 100.

Honeysuckle, sweet scented, 5 to 6-in pots, 20c to 25c each.

Nasturtiums, Empress of India and other choice colors, $6.00 to $7.00 per 100.

Ivy Geraniums, mixed colors, 4-in. pots, $7 per 100.

Daisies, white and yellow, from 7-inch pots, full of flowers, 2½ ft. high, $2.00 per doz.

Dracæna Indivisa, 7-inch pots, about 3 ft. high, imported, 75c to $1.00 each.

I have the following small plants to offer, out of 2½ and 3-inch pots:

Alyssum, Little Gem. **Ivy,** Kenilworth.
Alternanthera, red & yel. **Lobelia,** trailing.
Cuphea. **Phlox** Drummondi.
Coleus, mixed colors. **Petunia,** single, dwarf variegated and California, giant.
Tradescantia. **Torenia Fournieri.**

Verbenas, have 10,000 of them, mixed colors.

Asters, 2 and 2½-in. pots, $2.00 per 100; choice colors, mixed or separate.

Thunbergia, 2½-inch, at $3.00 per 100.

25 plants sold at 100 rate.

GODFREY ASCHMANN,

(Rising Sun.) 1012 Ontario St., PHILADELPHIA, PA.

Orchids!

Arrived in fine condition: Cattleya labiata, C. Skinneri, C. Dowiana, Oncidium varicosum Rogersii and Peristeria elata; also a fine lot of Anthurium Scherzerianum. Write for our illustrated, descriptive catalogue of orchids.

LAGER & HURRELL, SUMMIT, N. J.

Orchid Growers and Importers.

Please mention the American Florist when writing.

Detroit.

TRADE GOOD ALL ALONG THE LINE.—FUNERAL WORK USES UP LARGE QUANTITIES OF STOCK.—BEAUTIES IN GOOD DEMAND.—CLUB ATTENDS A LECTURE.—NOTES.

The present time is one of great activity in florists' circles. Trade in all branches is good and in the plant line, including bedding sorts, it is daily improving as the warmer days suggest it. Last week the funerals of many persons of note required the use of all flowers obtainable here and many were shipped in from other points. The local supply, because of the whimsical weather, unseasonable cold alternating with excessively warm spells, had a baneful effect upon stock, both in quantity and quality. The call for American Beauties was considerable and all good stock is well used up. The only appearance of anything moving slowly is in carnations of the cheaper grades; an abundance of lilacs is now to be seen and they, too, sell fairly well, as also outdoor valley.

There was no meeting of the Florists' Club this week, but under the auspices of the club, Rev. Lee McCollister gave an illustrated lecture Tuesday evening in Cowie Hall, on "The Alps and Italian Lakes." About twenty-five members with their families and friends attended and were well pleased with the lecture, which was enlivened by the music of the Amphion orchestra.

C. W. Asman, brother of Geo. Asman, of Asman & Dunn, has opened a retail store at Port Huron, Mich.

John Carey is building a house 16x120 to be used for chrysanthemums.

Visitors: W. H. Watson, Lapeer, Mich.; A. Ringier, Chicago. J. F. S.

SHORB, CAL.—Business has been very good with all the florists and all are happy, but none are happier than Alfred Roeder, at whose home a strong baby boy arrived a few months ago.

TOLEDO, O.—Geo. A. Heinl has been having a sale of bedding plants. He advertised in the local papers, stating what the goods were, that the terms were "5 cents a plant, cash, and not delivered," and the buyers fairly overran the place on the days of the sale.

Grafted Roses

LIBERTY 3 1-2-inch pots, $18.00 per 100.

BRIDESMAID, BRIDE, GOLDEN GATE, KAISERIN, 3½-inch pots, $15.00 per 100.

Our roses are grown with the greatest care and are fine bushy plants ready for immediate planting. We do not think better roses can be grown.

VERBENAS—Choice varieties in bud and bloom, 3-in. pots $3.00 per 100; 2½-in. pots $2.50 per 100; $20.00 per 1000.

GERANIUMS—Finest bedding varieties in bud and bloom, 3½-in. pots $6.00 per 100.

J. L. DILLON,

Bloomsburg, Pa.

Please mention the American Florist when writing.

Grand CLEARANCE SALE

Here's your chance to stock up with first-class stock at a bargain. These will sell quick. Order to-day. First come, first served.

	100	1000
Acbyranthus	$1 50	
Ageratum, Princess Pauline, best blue	2 00	
Asparagus Plumosus, extra fine plants	2.25	$20 00
Abutilon Souv. de Bonne	2.25	20.00
Abutilons, 6 best sorts	2.00	15.00
Aloysia or Lemon Verbena	1.50	12 00
Apple Geranium	3.00	
Begonias, flowering, 10 best sorts	1.50	12.00
Browallia Gigantea, new, grand plant	2.50	20.00
Centaurea, Dusty Miller	1.50	12.00
Cyperus, Umbrella Plant	1.50	12.00
Canna, Austria, started plants	1.25	10.00
Crotons, choice sorts	3.00	
Calla Æthiopica, fine bulbs	3.00	25.00
Dracæna Indivisa, 2½-in. pots, fine	1.50	10.00
Daisies, Marguerites, best white var.	1.50	12.00
Fuchsias, best sorts	2.00	
Ferns, Boston, fine plants from 2½-in.	2.00	10 00
Ferns, Nephrolepis Wittholdii	3.00	
Grevillea Robusta, fine for baskets and vases	1.00	8.00
Heliotropes, best varieties	1.50	
Hibiscus, 10 best varieties, fine plants	$2.00	$15.00
Honeysuckles, 4 best varieties	2.50	20.00
Impatiens Sultani	2.50	
Lantanas, 10 best varieties	2.50	
Lantanas, Weeping	2.00	
Linum Trigynum	2 00	
Lemon Ponderosa, 2½-in. pots	3 00	25.00
Lemon Ponderosa, 4-in. pots	5.00	40 00
Moon Flower, blue flower	3.00	
Primula Forbesi, Baby Primrose	1.50	
Primula Obconica	2 50	
Phrynium Variegatum	2.50	
Palms from 2½-in. pots, such as Latanias, Phœnix, Filifera and Livistona, etc.	2.50	20.00
Saxifraga, fine for baskets and vases.	2.00	
Smilax from 2-in. pots	1.00	8.00
Swainsona, pink and white, strong plants	2.00	15.00
Stephanotis Floribunda, strong plants	2.00	15.00
Vinca Major Variegata, 2-in. pots	2.00	18 00
Wistaria Sinensis, 2½-in. pots	2.00	15.00

Roses! Roses! Roses! Bargains in Roses!

Roses from 2-in. pots, your selection of varieties for 40c per dozen, $2.25 per 100 and $20 per 1000. You can select 25 of one variety at 100 rates or 250 of one variety at 1000 rates. Our selection of varieties at $2.00 per 100 and $17.50 per 1000:

White Bougere, Souv de Catherine Guillot, Mme. Scipion Cochet, Elise Heyman, Chas. Rovolli, Virginia, Mme. Hisson, Marie Louise, Climbing Devoniensis, Enchantress, Aurora, Comtesse Eva, Mme Schwaller, Starhemberg, White Microphylla, Viscomtesse de Wautier

ROSES from 2-in. pots, at $2.25 per 100 and $20.00 per 1000:

Fortune's Yellow, Niphetos, Ada Carmody, Winnie Davis, Gen. Lee, Mme. de Watteville, Duchess of Albany, Gainsborough, Mme. Wagram, Luciole, White Marechal Niel, Winter Gem, Alister Stella Gray, Mme. Pernet-Ducher, Maid of Honor, White Soupert, Beaute Inconstante, Burbank

HYBRID ROSES, at $2.50 per 100; $22.50 per 1000:

Giant of Battles, Anna de Diesbach, Pres. Lincoln, Striped Paul Neyron, Robt. Duncan, Lady Emily Peel, Mme. Chas. Wood, Dinsmore, Gen. Jacqueminot, Paul Neyron, Magna Charta

MOSS ROSE, Henry Martin.

POLYANTHA ROSES, at $2.00 per 100 and $17 50 per 1000.

Geo. Pernet, Petite Leonie, Etoile D'Or, Perle D'Or, Mignonette, Etoile de Mai, Mme E. A. Nolte, Princess Marie Adelaide, Mlle. Cecile Brunner, Eliza Chairand

MANDA'S EVERGREEN ROSES, at $2.00 per 100 and $15 00 per 1000.

Evergreen Gem, Gardenia, Jersey Beauty

5,000 CLIMBING SOUPERT. at $2 00 per 100 and $17.50 per 1000

Order To-day, or they may be gone. Address

THE GOOD & REESE CO., SPRINGFIELD, O.

Largest Rose Growers in the World.

Everything in Season.

DRACAENA INDIVISA,

6-inch pots, 25c each.

Ageratum, Heliotrope, Coleus, Slevia, Cuphea, Jerusalem Cherry, Japanese Pepper, Golden Feverfew, from 2½-inch pots, 2c.

Alternanthera, red and yellow; **Hydrangea,** pink and blue; **Vinca Var., Fuchsia, Egg Plants, Swainsona, Salvia, Centaurea Imperialis, Asters,** Semple's Branching, from 2½-inch pots, $2.50 per 100.

Asparagus Sprengeri, 2-in. pots, 2c. Strong clean plants, ready to shift. Satisfaction. Cash.

LA ROCHE, COLLINGDALE, DEL. CO., PA.

Geraniums.

	Per 100
10 Varieties, my selection, 2½-in. pots,	$2.50
10 " " 3½-in. pots,	4.00
Coleus, mixed	2 00
Cannas, 8 vars., 4-in. pots	10.00
Seedling Petunias, 2½-in. pots	3.00
Asparagus Sprengeri, June 15	2.00
" Plumosus, ready June 15	3.00
Smilax, ready June 15	1.50

CASH OR C. O. D.

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the American Florist when writing.

2 cts. ROSES. 2 cts.

To close out for cash. Strong plants from 2½-inch pots, in the following varieties:

Archduke Charles, Media, Agrippina, Marie Van Houtte, Bride, Mme. Margottin, Bridesmaid, Malmaison, Bon Silene, Marechal Niel, C. Soupert, Maid of Honor, Catherine Mermet, Mme. Abel Chatenay, Climbing Wootton, Mrs. Robert Garrett, Climbing Meteor, Mme. Cecile Berthod, Dr. Grill, Papa Gontier, Devoniensis, Pink Soupert, Duchess de Brabant, President Carnot, Folkestone, Princess Venosa, F. Kruger, Queen's Scarlet, Golden Gate, Reine Marie Henriette, Geo. Bancroft, Snowflake, Kaiserin, Souvenir de Wootton, La Princess Vera, Striped La France, Mme. Lambard, Sylph, Mme. Camille, Souvenir de Pierre, Marie Guillot, The Queen, Mme. Jos. Schwartz, Tri de Pernet Pere, Maman Cochet, Victor Hugo, Mrs. Degraw, White La France, Meteor

PRICE, $2.00 per 100. Not less than five of a kind. All stock guaranteed true to name. Packing free and always done in light and thorough manner.

R. H. MURPHEY & SON, Urbana, O.

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American Florists Ads — Always do business, Week days and every day, Sundays and holidays, All over the country, At home and abroad.

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Horticultural Auctioneers,

84 Hawley Street, ...BOSTON, MASS.

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PERSICUM SPLENDENS GIGANTEUM. Finest strain in the world, in four true colors, well-grown plants, from 2½ inch pots, $4.00 per 100; $35.00 per 1000. Extra selected, $5.00 per 100; $40.00 per 1000.

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Comprising suggestions for cultivation of horticultural plants, descriptions of the species of fruits, vegetables, flowers, and ornamental plants sold in the United States and Canada, together with geographical and biographical sketches

By L. H. BAILEY,

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Assisted by WILHELM MILLER, Ph. D., Associate Editor,

and many expert Cultivators and Botanists.

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Cloth, $20. Half Morocco, $32.

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324 Dearborn St., Chicago.

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NOW READY FOR SHIPMENT.

ROOTED CUTTINGS.	Per 100
Coleus, Red Verschaffeltii	$ .75
Geraniums, Mme. Pollock	1.50
" Happy Thought	1.50
English Ivy	1.00
Heliotrope	.60
Chrysanthemums	1.25

POT PLANTS.	Per 100
Pteris Tremula, 2¼-inch	$1.50
Pteris Tremula, 2½ inch	2.25
Pteris Tremula, 3-inch	4.00
Roses, Ulrich Brunner, 2½-inch	3.00
Hydrangea Otaksa, for growing on, 4-inch	5.00
Hydrangea Otaksa, " " 5-inch	7.00
Hydrangea Otaksa, " " 6-inch	10.00
Hydrangea Otaksa, " " 7-inch	15.00

CHRYSANTHEMUMS W. H. Lincoln, Jerome Jones, Golden Wedding, Philadelphia, Ivory, Thoroden, Pres. Smith, Minnie Wanamaker, Louis Boehmer, Maud Dean, Vivinod-Morel, Major Bonnaffon, G. W. Childs, Mme. Bergmann, Glory of Pacific, J. G. Whilldin. Rooted cuttings, grand stuff, $1.25 per 100; $10.00 per 1000.

☞All the above sold on the positive guarantee of their being first-class, if not, your money at once refunded.

Having to rebuild our greenhouses this season the following stock is in our way at the start. If you want any speak quick: Asparagus Plumosus, 3-year, from bed, fine clumps, $18.00 per 100. Kentias, 2½-inch, very fine, $5.00 per 100. Roses—Ulrich Brunner and Paul Neyron, 2-year-old, from boxes, own roots, $8.00 per 100. Kentia Seedlings, from flats, 1-year, $3.50 per 100. Geranium Mrs. Pollock and Happy Thought, 1 and 2-year stock, plants from bench, $6.00 per 100. Callas, 4-year-old, $5.00 100. Steel Wire Stakes, galvanized, No. 8 wire, 3 feet, used one season, $5.50 per 1000.

JOHN IRVINE & SONS, Bay City, Mich.

A FEW GOOD THINGS YOU WANT.

KENTIA BELMOREANA and FORSTERIANA, special price to reduce stock, 2½-in., 8c; 3-in., 15c; 4-in. 25c; 5-in., 50c; 6-in., $1.00. 3, 4, 5-in. **ARECA LUTESCENS,** 2 and 3 plants to a pot, same price. These are excellent lot of clean, cool grown plants.

BOSTON FERNS, 4c, 8c, 15c, 30c and 50c each.

DRACAENA INDIVISA, 3, 4, 5-in., 6c, 10c, 25c each.

GERANIUMS, 2-in., Bonnat, double and single Grant, La Favorite, S. A. Nutt, Atkinson, Salleroi, Poitevine, M. Baroy, Kleber, John Doyle, Jaulin, Riccard, Mrs. E. G. Hill, Perkins. Per 100—2-in., $3.00; 3-in., $5.00.

ASPARAGUS SPRENGERI, 2-inch, $3.00 per 100; Plumosus, 3-inch, $8.00 per 100.

ENGLISH IVY, 2-in., $3.00; 3-in., $6.00 per 100. Verbena, Petunia, Smilax, Achyranthes, Lobelia, Coleus, Alternanthera, Tomato Plants, Campbell Violets, Aster, Ageratum, Heliotrope, Vinca Var., Giant Alyssum, Scarlet Sage Clara Bedman, 2-in., $2.00 per 100; 3-in., $4.00 to $5.00 per 100.

Send for wholesale lists. Cash or C. O. D.

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

Please mention the American Florist when writing.

125,000 ASTER PLANTS

Best florist's cut flower varieties; all transplanted. Strong plants, bushy roots; sure to please you.

ASTERS, Hohenzollern, pure white, delicate rose and red (Roemer's), last year novelty, grandest aster to date. Mammoth size, 7 inches across, double to center, resembling a large Japanese chrysanthemum, unsurpassed for cutting or bedding, plants branching, with strong stems 18 to 20 inches long, 70c per 100; $6.00 per 1000.

Queen of the Market, white, red, pink and mixed.

Florists' Upright Branching, outer petals recurved, center petals incurved, superb cut flower, pure white, daybreak pink, fiery scarlet and lavender.

Late Branching or Semple's, white, rose pink, lavender, red and mixed.

All the above are the best money makers for florists, strong, healthy plants, assorted to suit, 50c per 100; $4.00 per 1000. Express prepaid for cash with order.

DES MOINES PLANT CO.,

38th St., Des Moines, Iowa.

TO MAKE ROOM I OFFER

150	Kentia Belmoreana, 2¼-in	$5.00 per 100
400	" " 3-in	10.00 per 100
200	" " 4-in., 2d size	15.00 per 100
100	Latania Borbonica, 3-in	5.00 per 100
100	Pandanus Utilis, 2¼-in	4.00 per 100
75	" " 3-in	8.00 per 100
400	Selaginella Emmeliana, 2¼-in	3.00 per 100

All healthy stock. Cash with order.

JOSEPH E. BONSALL, SALEM, OHIO.

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ROBT. CRAIG & SON,

Roses, Palms

and Novelties in Decorative Plants,

Market and 49th Sts., Philadelphia, Pa.

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BEGONIA GLOIRE DE LORRAINE,

Begonia Light Pink Lorraine,

For June and Later Delivery, $15.00 per 100; $140.00 per 1000.

Edwin Lonsdale, Wyndmoor, near Chestnut Hill, Pa.

Please mention the American Florist when writing.

Cleveland.

CUT FLOWER MARKET DEMORALIZED BY WARM WEATHER.—STOCK PLENTIFUL AND DEMAND LIGHT.—FINE SHOW OF SPRING FLOWERS IN THE PARKS.—GRAHAMS HAVE BIG STOCK.—TROUBLE WITH AURATUM LILIES.

The warm weather for the past week has had a demoralizing effect on the cut flower market, the supply exceeding the demand about tenfold. Prime stock could be bought on the street for a mere trifle, 25 cents per dozen being the highest price asked for a good grade of roses, and good carnations bring only 10 cents a dozen. Lilacs by the wagonload are to be had. Shrubbery blooms do not take well except for decorations. The parks are beginning to put on their gala spring attire. Some beautiful varieties of pyrus and prunus are to be seen. The splendid condition of the parks reflect great credit upon Superintendent Kegg and his able assistant, M. Hovarth. Mr. Kegg, in his annual report to the Director of Public Works, earnestly urged the necessity of erecting a range of greenhouses in one of the parks for the enjoyment of the people and to grow the necessary bedding plants for use in the parks. Owing to a succession of rain storms the large beds of tulips in the public square did not look as well as in former years.

A. Graham & Son have as fine a lot of Crimson Ramblers in pots outdoors in a frame as one would wish to see. They will just be right for Memorial day. Their stock of bedding plants is in fine condition, especially geraniums. There is a red variety grown here, I think it is called De Brasse, which is a decided improvement on Heteranthe. The color is brighter and the truss almost double the size of the last named variety. Mr. Graham claims it is an excellent bedder. Nutt is grown by the thousands and is considered the best of its color. Lilium speciosum, album and rubrum are looking fine, but the auratums are the same here as elsewhere, a lot of mongrel seedlings not worth bench room. This auratum business is worse than the longiflorum fizzle. Something ought to be done to secure good bulbs true to name.

Bate Brothers' new house is to be 20x300 feet, for roses, and will make a fine addition to their establishment.

ECHO.

INFORMATION WANTED!

Of any and all Floral Establishments in the country which are not well stocked up with the following goods:

BRONZED BEECH and LAUREL FOLIAGE, new and effective, but also inexpensive.

CYCAS LEAVES and WREATHS, Bayersdorfer & Co's special quality and improved finish.

INDESTRUCTIBLE METAL DESIGNS, in beautiful and attractive assortment.

IMMORTELLES in every Desirable Color.

These are all desirable and salable articles for Memorial Day. Do you realize that the day is close at hand? The season is forward and fresh Flowers will be scarce. The above named goods will be in big demand. Our stock is the best procurable and our prices are low.

H. Bayersdorfer & Co.,

50-56 N. Fourth St., PHILADELPHIA, PA.

FOR SALE.

VALUABLE IRON GUTTER PATENTS

I hereby offer for sale the Patents covering my Wrought Iron Gutter; also the Patents covering the Gutter advertised in last week's edition of the AMERICAN FLORIST, Florists' Exchange, and the Florists' Review, by Geo. M. Garland.

The increased business of the Standard Ventilating Machine demands my whole attention to its manufacture. But, as in the past I will give the gutter business its fullest share of attention until the patents are sold. Yours truly,

E. HIPPARD, Youngstown, Ohio.

LUMBER AT HALF PRICES.

WE PURCHASED THE PAN-AMERICAN EXPOSITION

SEND US YOUR LUMBER BILL FOR OUR ESTIMATE.

Pipe, Machinery and Building Supplies in General.

FREE CATALOGUES ON APPLICATION.

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AdjustablePlantStands

THE BEST ON THE MARKET.

1 Stand $1.50; 3 Stands $4.00; 6 Stands $7.50; 12 Stands $14.00.

YOU NEED THEM IN YOUR BUSINESS.

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Sprague Smith Co.

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Greenhouse Glass a Specialty

205 Randolph Street, CHICAGO.

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Clara Cemetery Vase.

PER DOZ., $3.50. BOXED.

VAUGHAN'S SEED STORE,

Gen'l Agents, ...CHICAGO.

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WE NOW OFFER

"Chemicals"

for making LIQUID COMPOST.

Dry powders all soluble in water. Composts cost less than ½c per gal. Correspondence invited.

EASTERN CHEMICAL COMPANY,

620 Atlantic Ave., Boston.

KIFT'S Patent **ADJUSTABLE VASE HOLDER**

No. 1.—Brass, nickel, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) $2.25. Price complete (with green or white cornucopia vases) $2.50. No. 2.—Heavy 4 ft. rod, brassed and nickeled, with three clasps for 5 to 6-inch pots, each $1.75.

KIFT'S PATENT Rubber Capped FLOWER TUBES, 1¼-inch diameter, per 100, $3.50.

JOSEPH KIFT & SON, 1725 Chestnut St., Phila., Pa.

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Fresh Tobacco Stems.

Bales of 300 pounds, $1.50.

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Horticultural Builders & Heating Engineers

PHILLIPS MFG. CO.,

Tel. 1851 Bergen. Jersey City, N. J.

In 1900 we built 5,726 square feet.
In 1901 " 21,276 square feet.
In 1902 " to date 14,962 square feet.
Have orders for 19,600. This should convince you we are progressive and up-to-date. See the range we are building for S. Untermeyer, Esq., Greystone, Yonkers, N.Y.; conceded by practical authority to be a perfect type of greenhouse. Call us up.

Wire Hanging Baskets

12-inch, well-made, painted green, $2 per dozen; $15 per 100.

GEO. L. MILLER, Newark, Ohio.

Please mention the American Florist when writing

TO KILL ALL
Greenhouse Bugs
USE
"NICOTICIDE"

Clean and harmless as **Fumigant** or **Spray.** Ask your seedsman for it or write to

The Tobacco Warehousing and Trading Co.,
1000 Magnolia Ave., - Louisville, Ky

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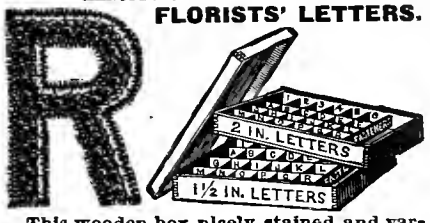
MANUFACTURERS OF
FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1½ or 2-inch size, per 100, $2.00.
Script Letters, $4. Fastener with each letter or word.
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N. F. McCARTHY, Treas. and Manager,
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Cape Flowers, ALL COLORS;
Cycas Leaves, Metal Designs,
AND **All Florists' Supplies.**
Send for Prices.
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ALL OVER THE COUNTRY AT HOME AND ABROAD.

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Leading Florists' Supply House.

M. RICE & CO., Importers and Manufacturers
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OUR NEW FOLDING
Cut Flower Box
IS A PERFECT GEM. SEND FOR SAMPLE.
HOLTON & HUNKEL CO.
MILWAUKEE, WIS.

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335 EAST 21ST ST. NEW YORK CITY.

"BLACK DEATH" (POWDER) TO EAT THEREOF IS TO DIE.
BUG KILLER and FERTILIZER. Three years of unprecedented success wherever introduced all over the United States has proved "BLACK DEATH" to be a cheap and absolute annihilator of all insects, bugs or beetles that prey on vegetation, foliage and flowers. See what Peter Reinberg said in this paper, Feb. 8. Other strong indorsements sent on receipt of postal card.
Western Sales Agency, 235 Franklin St., Chicago.
HANDLED BY SEEDSMEN. S. D. STRYKER, Agent.

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CUT FLOWER BOXES
WATERPROOF. Corner Lock Style.
The best, strongest and neatest folding cut flower box ever made. Cheap, durable, handy. To try them once is to use them always.
DON'T USE OLD STORE BOXES.
If you have any doubt, send for samples, which speak for themselves.

Size No. 1.	3x4½x16..	$1.75 per 100;	$15.00 per 1000	
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Importer and Manufacturer of
FLORISTS' SUPPLIES
Complete Stock—New Goods—New Illustrated Catalogue Now Ready. Send for it.
108 W. 28th St., near 6th Ave., NEW YORK.

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Hammond's
GREENHOUSE WHITE PAINT and
Twemlow's
OLD ENGLISH GLAZING PUTTY.
In use by some of the largest Florists in the United States. Write for prices.
HAMMOND'S PAINT AND SLUG SHOT WORKS,
FISHKILL-ON-HUDSON, N. Y.

OUR DIECTORY FOR 1902 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE TWO DOLLARS.

Buffalo.

STOCK STILL VERY ABUNDANT.—RETAIL PRICES FAIRLY WELL MAINTAINED.—A SUIT FOR DAMAGES.—NEW PARK SUPERINTENDENT.—PERSONAL AND TRADE NOTES.

Continued fair weather has not diminished the cut of roses and carnations and has increased the supply of outdoor stock. Tulips are fine. Parrot tulips were in May 20 for the first time. A little valley has appeared but in no quantity as yet. Pansies, sweet peas and swainsona are in good supply and having ready sale. Roses of all qualities and in abundance are to be found in all stores. The better grades of carnations still bring 75 cents and $1 per dozen; other kinds at all prices. Beauties still sell well and at from $6 to $9 for good stock.

All the florists have been watching with interest a suit for damages against S. A. Anderson. The mother of one of his former employes fell through a trap door in the rear of his store and $10,000 damages were asked. The case has just been tried in the Supreme Court, before a jury, where a verdict was given for $50, merely enough to cover court costs. From the evidence a "no cause for action" verdict was expected.

The park commissioners at their last meeting removed Superintendent John C. Graves and appointed the auditor of the board, J. L. Brothers, superintendent. While Mr. Brothers is a very fine gentleman and has been in the park department for eleven years, we are no better off than before as to having a practical man at the head of affairs.

Jerry Brookins, of Orchard Park, has fine pansies and sweet peas. "Frank," who has the stand in the Mooney building, has a big stock of carnations daily, but the sun withers them very fast, there being no shade in that doorway.

Next week we will be busy with Memorial day stock, for it seems as if new life were being instilled in the buyers and a greater interest displayed in getting flowers for that day than has been shown for several years past.

W. F. Bullock & Company, who succeeded Adams, have made several alterations in the store.

S. A. Anderson has gone to New York and Cromwell, Conn.

Professor Cowell is busy at South Park.

BISON.

WRITE
A. F. KOHR, 1521-23 N. LEAVITT ST., CHICAGO, ILL.,
FOR PRICES OF
Standard Pots
which for strength and porosity combined are the best on the market.

THOSE RED POTS
"STANDARDS"
FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y,
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GALVANIZED WIRE—AT BARGAIN PRICES.
Fifty car loads of new galvanized wire, in short lengths. Never was used. Comes from 6 to 1 gauge. Put up 100 lbs. to a coil and only one size wire to each bundle.
Prices range from $1.10 to $1.90 per 100 pounds.
Our Free Catalogue No. for the asking. We handle all kinds of supplies from Sheriff's and Receiver's Sale.
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West 35th and Iron Sts., Chicago.

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CATALOGUE FREE.

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STANDARD POTS A SPECIALTY
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"The kind that never fall apart"
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Duplex Gutters,
Made of wrought or cast iron with self adjusting sash bar clips. The only Drip Proof Metal Gutter offered to the Public. Send for my catalogue free.
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Packed in small crates, easy to handle.

Pots	Price per crate		Pots	Price per crate	
1500	2-in., in crate,	$4.88	120	7-in., in crate,	$4.20
1500	2½ "	5.25	60	8 "	3.00
1500	2½ "	6.00	48	9 "	3.60
1000	3 "	5.00	48	10 "	4.80
800	3½ "	5.80	24	11 "	3.60
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320	5 "	4.51	12	14 "	4.80
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Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers. Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.
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41 Wellington St., Covent Garden, London, England.

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Samples free on application. No charge for printing in 500 lots or over.

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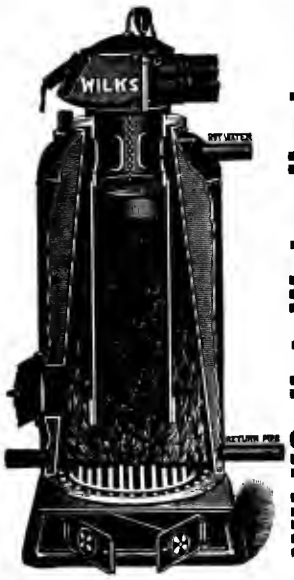

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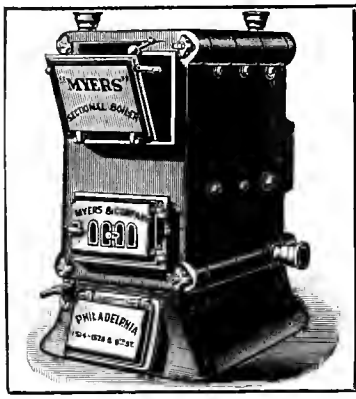

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Send for Catalogue and latest prices.

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GREENHOUSE MATERIAL.

Cal. Red Cedar and La. Cypress.

BEST GRADES. PERFECT WORKMANSHIP.

Write for Catalogue and Estimates.

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Nikoteen Aphis Punk It Burns

The most convenient way of applying an insecticide ever yet devised. No pans required—No heating of irons—No trouble—Cannot injure the most sensitive blooms—Very effective. Price 60¢ per box of 12 rolls. *All dealers sell it!*

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IRON GUTTERS AND POSTS.

Testimonials from leading growers. Send for Catalogue.

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Tank Window Glass.

Hot-House Glass A Specialty.

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Manufactured by

McDonald Bros.

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The Largest Manufacturers of these Goods in America.

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WRITE FOR ILLUSTRATED CATALOGUE

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SUCCESSFUL SELLERS

are the successful growers who advertise in

THE AMERICAN FLORIST.

Sewickley, Pa.

RAILROAD GARDENERS IN THE MIDST OF THEIR BUSY SEASON.—MANY PLANTS REQUIRED.

During the present month R. W. Hutchinson, florist of the Northwest system, Pennsylvania lines, is one of the busiest men connected with the road. He is also the first official bearing this title on the Pennsylvania system. The demand for plant decorations for the beautifying of railway stations has grown so rapidly that Mr. Hutchinson, whose jurisdiction extends from Allegheny to Chicago, keeps a large force of employes constantly at work. Recently he stated that his chief work at present is the planting of vines which will act as a screen for handcar houses and watch boxes. There are 200 places along the Ft. Wayne and the Cleveland & Pittsburg to be thus provided, implying the use of 2,500 plants, chiefly honeysuckle, clematis and Boston ivy. These are trained to grow upon wire netting, and during the early summer hundreds of comparatively unsightly buildings will be hidden in a mass of flowers and foliage. The railway greenhouses which supply much of the material used by Mr. Hutchinson are at Sewickley. The demand for flowers for dining cars is another feature of this interesting branch of railway management and equipment. The first bit of railway property hereabout to receive such attention was the office of Stationmaster Cole, Allegheny, a place which was last week obliterated to make room for the elevated track system. The amount of flowers, sodding, plants, trees and shrubbery devoted to improving the appearance of the Pennsylvania railroad property east and west of Pittsburg would equip a good-sized park.

NORTH WALES, PA.—D. L. German has sold his greenhouse property on Pennsylvania avenue to John Holt, of Germantown, for $2,800.

PROVIDENCE, R. I.—The Florists' and Gardeners' Club of Rhode Island held an exhibition of carnations and roses on May 8 which was attended by a large number of visitors. Certificates of merit were awarded to John Macrae, S. J. Reuter and C. Warburton in several classes of carnations, to Edward Clark and S. J. Reuter for roses, and to James Hockey for a handsome seedling geranium called Sensation.

CYPRESS

Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.

NOT every man that runs a mill is an expert judge of lumber. Fewer still are familiar with the peculiar requirements of greenhouse construction.

We have made it a special study, know exactly what to furnish.

You are welcome to the benefits of our wide experience.

If you contemplate building, write us.

CLEAR CYPRESS ABSOLUTELY FREE OF SAP

IT PAYS TO PAY FOR QUALITY

JOHN C. MONINGER COMPANY.
GREENHOUSE MATERIAL
111 TO 115 BLACKHAWK ST. CHICAGO ILL.
SELLING AGENTS FOR
GARLAND IRON GUTTERS.

OUR MOTTO:
QUALITY and WORKMANSHIP

If you want good greenhouses you must have a good design and good material, properly machined.

We use only the Best Absolutely Clear

AIR DRIED GULF RED CYPRESS

And have the ability and facilities to give you the best of workmanship. Before you build write for sketch and estimate.

If your iron work and pipes rust and corrode write us about our PAINT specially prepared to prevent corrosion underground and in damp places.

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Office, 471 W. 22nd St. CHICAGO, ILL. Factory and Lumber Yard, 474-498 W. 21st Place.

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FOR Greenhouse Glazing

USE IT NOW.
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170 Fulton St.,
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DILLON'S GREENHOUSE MFG. CO. Bloomsburg, Pa.
MANUFACTURERS OF HOT BED SASH, AIR DRIED GULF CYPRESS SASH BARS AND OTHER GREENHOUSE MATERIAL.
BUILDERS of DURABLE and PRACTICAL Greenhouses at a LOW COST.
Our descriptive circular contains valuable information for every florist. Send for it. WE HAVE SOMETHING NEW TO OFFER.
Please mention the American Florist when writing.

2nd-HAND BOILERS

We have in stock a great number of good second hand boilers, low pressure, which we will sell at

Bargain Prices

consisting of the following:

10—48x12 horizontal tubular boilers, each $125.00
3—42x10 horizontal tubular boilers, each $100.00.
6—36x12 horizontal tubular boilers, each $75.00.
1—Kroeschell hot water boiler, 100 feet capacity, $75 00.
100,000 feet 2-inch second hand boiler tubes which we furnish with sleeve couplings, oakum and cement, per foot 6 cents.
50,000 feet 4-inch flanged wrought iron casing, per foot 16 cents.

Ask for Our Catalogue No. 47.

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Good Today! Good Always!

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For applying Liquid Manure it has no equal!

Sent prepaid for $2.00.

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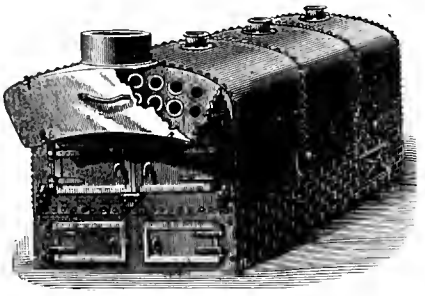
The day of the sectional hot water heater is past. It has given way before the improved

KROESCHELL GREENHOUSE BOILER.



Kroeschell Hot Water Greenhouse Boilers are made of the same steel as is used in building the best high pressure steam boilers.

NO DANGER OF BURSTED SECTIONS.

If you need a boiler this year, write us about it NOW. These are not stock boilers. Each one is made to order.

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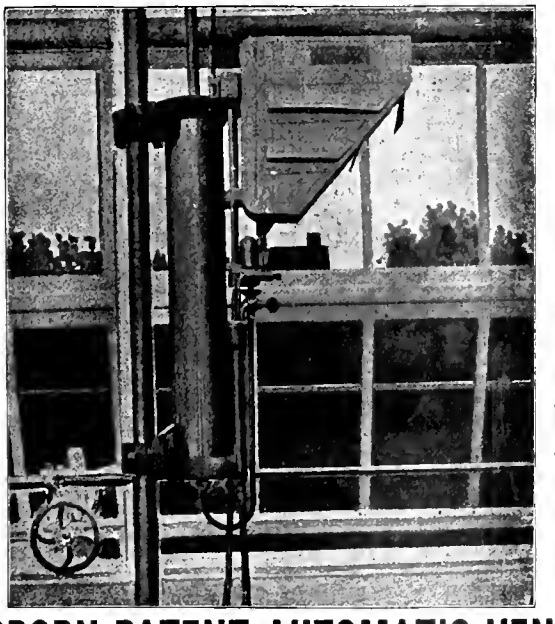
The Highest award at the New York Carnation Show was given to a man who has forty-three (43) of our Automatic Ventilators. Our Ventilators are at work in the Central Park Conservatories, New York.

Prevents Mildew

Operates to perfection in catchy weather.

Commercial growers use them largely.

The Automatic Ventilator does its own thinking.



Saves all labor.

Improves the growth of plants.

Especially good for Roses.

Will last a lifetime and soon pay for themselves.

The Automatic Ventilator ventilates as necessity requires.

THE CHADBORN PATENT AUTOMATIC VENTILATOR

For Greenhouses, and also Temperature Regulator for Radiators.

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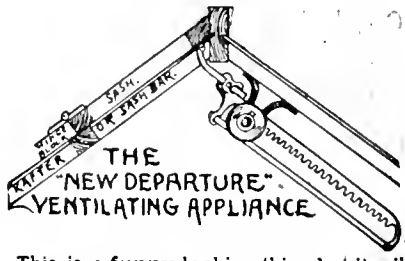

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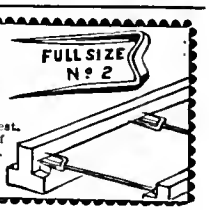
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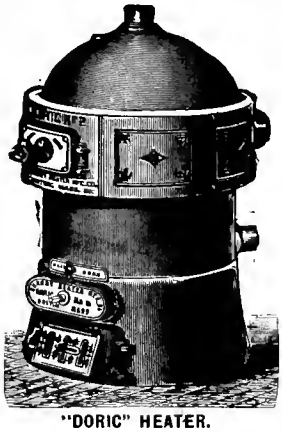
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Vol. XVIII. **CHICAGO AND NEW YORK, MAY 31, 1902.** **No. 730.**

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Notes on Plant Growing.

The spring clean-up is now in progress in most establishments, and it means a great deal of work and frequently quite a lot of expense, for many repairs are generally found necessary each year, and while fixing up the stock and refilling the houses these repairs may be most conveniently done.

The bedding out business is about over for the season, Memorial day marking the conclusion of that branch of the trade in many of our cities, though those having a seaside trade or catering to the mountain resorts are frequently compelled to defer the planting out of tender stock until quite late.

Plants of hardy constitution, like geraniums, carnations, verbenas and hardy roses are most satisfactory when planted out reasonably early, but it is an unwise plan to put out tender foliage plants too soon, for it generally results in a severe check and loss of foliage, this applying especially to such plants as crotons, ficus and pandanus, all of which are useful for foliage bedding under proper conditions. These proper conditions have been frequently noted before, but for the benefit of new readers it may be in order to refer to them again, as follows:

The first condition to be observed in the use of tender foliage plants outdoors is that of having strong and well-rooted plants and then giving them some little preparation for the change by gradually hardening them off, giving plenty of ventilation while the plants are still in the greenhouse and then moving them out to a frame or pit in which they may be protected by sashes for a few nights before planting out in the open ground.

By working after this method we seldom have any injury or check, even to such tender subjects as the crotons, unless there should happen to be some very cold and wet weather during June, a state of affairs that will sometimes occur even in such a favored locality for torrid waves as our good city of Philadelphia.

Another condition to be observed in outdoor decoration with tender foliage plants is that of thorough preparation of the beds in which they are to be planted, this including deep digging and a plentiful supply of short, well-rotted stable manure.

Mixed beds of foliage plants may be made a most interesting feature if one has the stock to use, and among the plants adapted for such use are some of the tougher palms, for example, Chamærops excelsa, Corypha Australis, Rhapis flabelliformis and some of the sabals, also some of the aralias, A. pulcher being among the most attractive of the large growing species, and having very large digitate leaves that are bright green and glossy, and also tough enough to stand the wind without injury.

Dracæna indivisa and D. Australis, also D. congesta, are useful plants for this purpose, and to give color to the arrangement some of the dark-leaved forms of ricinus, or castor oil plant, a few plants of Black Beauty canna, some crotons, acalypha and amarantus may be added, while Ficus elastica and Pandanus Veitchii may also be included with good effect.

And while considering the subject of outdoor planting we may remark that an example of this sort of bedding should find a place about the florists' establishment in order to encourage the public taste in these matters, for an object lesson is one of the most effective methods of teaching.

Every progressive florist has, of course, selected his stock plants of the various species he uses before the best of the stock is sold, these stock plants being properly labeled before being planted out, so that there may be no question as to the variety and color of the geraniums, for example, when cuttings are taken for the stock of the following season. Without some precautions of this character are taken there is likely to be some difficulty in stocking up for the following season, and it is far from satisfactory to depend on getting cuttings of some favorite variety from a charitable neighbor.

Various flowering plants to cut from during the summer should also be remembered, for there are times when the stock of indoor flowers runs low and is also of very indifferent quality; further, the cost of production being such a small item with these outdoor flowers, they may be used quite liberally when occasion offers. Some tea roses should be included among those that are planted for outdoor cutting, and by keeping them well cultivated and giving a mulching of light manure, or even of grass clippings from the lawn mower, some nice buds may be cut each morning.

The old bouvardias that have been in cut during the past winter may also be put to use outdoors in the summer, and if cut back moderately at the time they are planted out they will soon start away and give a great quantity of good flowers. The best way to make business dur-

ing dull portions of the year is to have something of better quality than the general run, and also to keep a sufficient variety whether it be of flowers or plants to suit the market.

But the outdoor department is not the only one demanding attention just now, for the houses are to be emptied and thoroughly cleaned and repaired if one desires the best results. It is taken for granted that the not uncommon custom at one time of making the space beneath the benches in the greenhouses a depository for all kinds of rubbish in the form of dead plants, broken pots and all sorts of waste material, is rapidly becoming obsolete, but, even so, there may be some decayed matter that finds its way under the benches and the sooner this harbor for vermin is removed the better it is for all concerned.

The fumigating of the empty houses with sulphur or hydrocyanic acid gas is also good, but must not be turned over to inexperienced or careless hands, else serious injury may result either to the operator or to plants in adjoining structures. It should always be borne in mind that hydrocyanic acid is one of the most deadly poisons known to science, and that to draw a full breath of this gas will usually result in death within five minutes, so it will be readily understood that this is not a substance for the children to play with.

But even if fumigation may not be conveniently practiced, a good coat of fresh whitewash on all woodwork of benches, posts and side walls will go a good way toward purifying the atmosphere and will also dispose of various insects. If a good force of water is available the remaining woodwork should be thoroughly washed with the hose.

No time should now be lost in getting to work at the decorative stock that may be kept over and also in attending to the needs of the young stock that is being grown on. It is a safe rule in handling large palms that their roots do not need pruning at any time unless it may be in the case of a plant that from some accident or on account of disease has beceme in bad condition at the root, and in such a case the removal of the diseased portions would be an advantage.

It sometimes becomes necessary to repot these large plants and to return them to the same size of pot or tub in which they have been growing, and the best way to manage this is by washing out the roots. A convenient method for this operation is to lead a hose outdoors, then fasten the nozzle in such a position as to be handy as to height and direction, and with a good pressure of water all the soil may be washed out from the roots without any injury to the latter. Having washed the roots out, no time should be lost in repotting, for should the roots be allowed to dry out by being exposed to the air for any length of time the plant would be likely to suffer. Repot the palms firmly, then water well and place them in a shaded greenhouse with a moist atmosphere, and in a few weeks some benefit should be apparent, and by next October the plants so treated and properly cared for in the interval should be greatly improved.

During the winter the decorator has but little time for cleaning plants, and in consequence some of the palms in question are liable to furnish support to quite an entomological collection by spring and the removal of these insects should be proceeded with vigorously at this season in order to make the plants presentable for the following winter. A thorough cleaning just before the plants are repotted is a good start, but afterward they should be looked over from time to time while the work is slack, remembering that there is a special outbreak of insects in plant houses about twice a year, the first crop usually appearing in May and the second in August or September. W. H. TAPLIN.

English Method of Growing Poinsettias.

Few plants are more useful for winter decoration than Poinsettia pulcherrima. It does not need any words of mine in its praise, and in referring to it I shall confine my remarks to describing the method by which plants may be grown from six to fifteen inches high, instead of from two to three feet, as generally seen,

THE LATE THOMAS YOUNG.
(See page 689.)

writes a correspondent of the *Gardeners' Magazine*. I consider their value for decorations is much less when they are above fifteen inches high than when below that height. A few taller examples may be useful where extensive groups have to be made, but for general purposes the dwarfer plants are preferable.

Most of the old plants will by this time (May 3) be showing signs of breaking, and when the new growths are fairly started they should be shaken out and repotted in a good compost. This should consist of equal parts of fibrous loam and leaf soil, well mixed together, with a little bone meal and coarse silver sand. Cut the shoots back, leaving not more than two sound eyes to each. After potting place them in a brisk, moist house, exposed to full sunshine, where the night temperature does not fall below 60°. They will require little water until the growth is making considerable progress. Grown in this way poinsettias will make strong, hard growths that will be of the highest value for the increase of stock.

The third week in July the first batch of cuttings should be taken. Remove the strongest shoots with three or four leaves, insert them singly in 3-inch pots, using a mixture consisting of two thirds leaf soil and one-third loam and plenty of silver sand. Plunge the pots in a brisk bottom heat and keep the propagating case quite close by day, but admit air at night to prevent the leaves from damping. In about sixteen days they will be well rooted and should be gradually hardened off. Then shift them into 5-inch pots, using a compost prepared as I have advised for the old stools. When the roots are running freely in the compost reduce the temperature to that of the greenhouse, and during the time they are in the cool house it will be necessary to use great discretion as regards watering. The roots are made so quickly that if the plants are over-watered they are liable to decay. As soon as they have become well established they should be placed close to the glass and grown with but little, if any, shading. When the bracts begin to be developed they must be returned to the warmer and moister house, when an occasional watering with weak liquid manure will be found beneficial. On no account should liquid be used before the bracts are seen.

I will return to the old plants from which the earliest cuttings were taken. About the end of August some good side cuttings can be had. These can be struck singly, using in this case 3-inch pots; after they are rooted harden off, but let them remain in the pots they were struck in. This will give some most useful heads of bracts. If this principle is followed out, the result will be most gratifying and instead of the plants being three and four feet high they will be about six inches in height. The late struck side shoots will produce heads of bracts from eight to ten inches in diameter without being put in pots exceeding three inches in diameter. Those in 5-inch pots will range from twelve to fifteen inches high, with leaves to the rim of the pot, and carrying heads of bracts from twelve to eighteen inches in diameter.

Few plants can be used to more advantage in decoration, either on tables or for rooms generally, especially during the Christmas festivities. A very fine effect can be made by shaking out some of the plants and arranging them in a vase with Roman hyacinths. Although many valuable plants have been introduced of recent years not one really surpasses Poinsettia pulcherrima for decorative purposes during the winter season.

CHRYSANTHEMUMS.

BENCHING YOUNG STOCK.

Anyone who expects his plants to produce high grade blooms, whether for exhibition or commercial purposes, will now have to attend strictly to business and get them planted into their permanent quarters as soon as possible. The young stock should be well established in the pots, clean and in vigorous growth. Any plants not in this condition, through having been neglected and which have become hard or stunted, will not do. It will be far better to throw them out, at the expense of having to wait a couple of weeks for a fresh lot to take their place.

The man who engineers the planting of the house will need to use his brains to guard against lots of trouble later on by seeing that each variety, according to the height it grows, is given enough head room for its proper development. All of the varieties classed as dwarf growers will need at least four feet of head room when planted at this time and given proper treatment afterwards. The necessary allowance should, therefore, be made accordingly. It also is a good plan to plant varieties of a uniform heighth of growth on benches by themselves; they do much better, besides enabling the grower to handle them easier, and it

adds greatly to the attractiveness of the house.

There is another important point that must not be lost sight of; that is to plant the early varieties, mid-season and late, in separate places, so that they can be given their special treatment. Among the most popular varieties there are Col. D. Appleton, Viviand-Morel, Mrs. Henry Robinson, Major Bonnaffon and Timothy Eaton, which can be grown on the same bench. Another lot can be made up of Golden Wedding, Mrs. Perrin, Niveus, Pennsylvania and Mayflower. These are all tall growers and need plenty of head room. It is also a good scheme to plant any new varieties that you are not acquainted with on a bench by themselves, giving them plenty of space in which to show their character.

For a compost use a good live soil of firm texture, to which add one part in four of well rotted cow manure. When in the benches, make as firm as possible. If the benches are the usual six inches deep, fill them well up; the plants will need it before the season is over. The distance apart to set the plants must be governed by the vigor of the variety, but it is well to bear in mind that a little extra room makes a big difference in the quality of the blooms. Do not bench any plants when they are in a dry state and after planting water only directly around the plants until they commence to root out, also syringe frequently for a few days to prevent wilting.

C. W. JOHNSON.

CARNATIONS.

THE EMPIRE STATE.

The accompanying illustration is from a very handsome photograph of a vase of Empire State, a seedling now in its fourth year with L. E. Marquisee, Syracuse, N. Y. In speaking of it Mr. Marquisee says:

"It is a pure white of beautiful form, very full and double, with serrated edges, and possesses an exceptionally strong clove fragrance. In size it will easily average three and one-half inches in diameter and often four inches. Toward the end of May, without having been disbudded, they measure three inches. It has unusual substance and is a remarkably good keeper. Its calyx has the correct form and measures seven-eighths to an inch in diameter. It has a strong stem which properly supports the flower. It is without exception by far the strongest and most robust grower I have ever seen. It has the ideal habit, produces no grass, but a constant succession of strong flowering shoots. It is therefore a free and continuous bloomer."

It was awarded a certificate of merit by the American Carnation Society and has been certificated wherever shown.

L. E. MARQUISEE'S WHITE SEEDLING CARNATION, EMPIRE STATE.

TEMPERATURES FOR VARIOUS VARIETIES.

ED. AM. FLORIST:—Please let me know what temperatures are required for the following carnations: Bradt, Daybreak, Crane, Flora Hill, Norway, Prosperity, Joost, Jubilee, Roosevelt and Marquis. How much nourishment do they require?

J. G.

It is almost impossible to answer this question intelligently as the difference in soils makes so much difference in the line of treatment needed that to recommend any certain line might be the opposite of what is required. In general 50° to 55° at night is a comparatively safe temperature to give most carnations, with 10° higher during the day. When it comes to the nourishment required no one can give any advice unless he is on the ground and sees them growing. The safest method is to make the soil moderately rich with well rotted cow manure and then during the winter the grower can add any other fertilizer that the plants may need, being very careful if any prepared fertilizer is used not to give them too much, as he can easily add more if needed, but once the soil is made too rich it is almost impossible to get it in the proper condition for good results.

ALBERT M. HERR.

THE SEASON'S SUCCESSES.

We have heard from Mr. Herr in regard to the value of the various carnations as grown in his locality, and acting on his suggestion I will endeavor to state the good and bad points of the different varieties as grown for the New York and Boston markets

White Cloud will now have to fall out of the line of whites. It is too late in coming in flower in the fall, and when the hot days come it soon loses its size and form.

Queen Louise has proven itself to be a valuable white the past winter. It is very early in coming into flower and is a continuous bloomer. The flowers are borne on a stem of sufficient stiffness and only a very few of them come with bursted calyxes. The one thing lacking in this flower is form; it is not what is styled a fancy but where a fancy is not needed, it is invaluable. It is quite a vigorous feeder and is well suited in a temperature of 48° to 50°.

Lorna did not do well during the early part of the winter, but later it sent out a good supply of very long, stiff stems topped with strictly first-class flowers. The flower is very large, well built up in the center and the calyx does not split. I am very much afraid that it will be impossible to bring this variety in early, but perhaps another year, with good strong stock to start with, it may be coaxed into flower a little earlier. At any rate it is worth a good trial.

Norway has been a complete failure. It was grown in a light soil, with liberal feeding, and although the plants looked healthy and vigorous they refused to send out flowers. What we need now in white is one that commences to flower early, which has the size and form lacking in Queen Louise.

In pink we can safely depend upon Lawson as a variety to grow in quantity. It always finds a good market, and with a little care in regard to temperature can be made to pay very well. The temperature should be kept to 55° in

order to check the bursting of the calyxes. Give the plants a liberal amount of nourishment after they are started along nicely and they will not stop blooming at all during the winter and spring.

In light pink there is none at present which I should like to advocate for another year. Morning Glory, I find, is the best, but it has shown too much disease this year to allow it to be classed as a safe one. Let us hope that Enchantress will prove to be as valuable as it appears to be at the present time, as we are in sore need of a good light pink.

With many growers Genevieve Lord has increased in favor. I find it a vigorous grower, sending out flowers on long, stiff stems. The flower is somewhat lacking in size, but there has no other kind shown up, ready to take its place. I think it does better on raised benches than in solid beds and 48° to 50° in temperature suits it very well.

The Marquis has been as much of a disappointment this year as it was last, and we have fully decided to discard it altogether. There are several strong objections to it. The flower is sleepy looking, is a poor keeper and the first crop of flowers is altogether too late.

Ethel Crocker seems to lose supporters every year and next season will find it lost entirely. It does very well from April right through the summer, but we cannot afford to grow them in the houses all winter for a few summer blooms

In crimson, Gov. Roosevelt has taken the place of Gen. Maceo. It is one which is not difficult to grow and it does not need as high a temperature as many; 46° to 48° suits it very well. The form of the flower is very fine, but the size is not quite up to our ideal.

Estelle has the field all to itself as a scarlet. The color is very fine and the habit of the plant is good; it is a free bloomer, with good stems. If all that is said of the Adonis is true we will also have to drop the Estelle next year, but we find it at all times the best to stand by "good enough" and let "better" speak for itself.

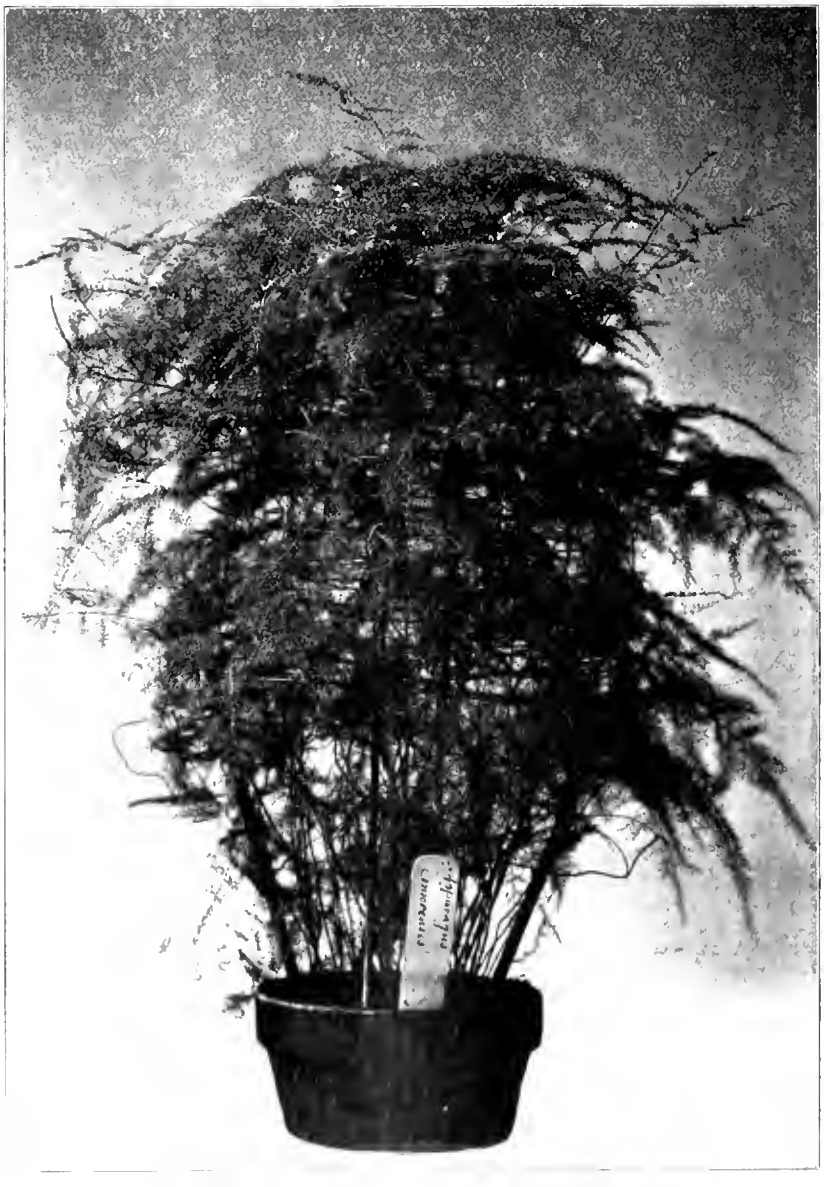
Eldorado has paid very well the past winter and I find it inadvisable to give it up entirely. It likes a temperatuee of 48°, and if you can keep the young plants in the houses during the summer, when fall comes you will have good plants which will not be so badly covered with rust as they are when planted outside.

Golden Beauty was a trifle late this year, but as the flower is larger than that of Eldorado and the habit of the plant a little better, I would not advise anyone to drop it until he has given it a fair trial. I think that by using early struck cuttings and keeping them indoors all summer it can be improved upon.

Mrs. Bradt has been the same carnation as ever. It pays well when good but unless you watch it carefully you will get it with weak stems. It is also losing in regard to constitution, being subject to stem rot. If Gaiety is all that is said for it we will consider it a welcome substitute.

For a fancy we find the Prosperity a good variety and it has paid well, as it always will command a high price. I think that it is an improvement on raised benches over those grown in solid beds. Grown in a light soil, with not a great deal of nourishment, in a temperature of 50°, it has done very well. Some of the growers have been bothered with weak stems, but I have not been troubled in this way.

There are, at the present time, several new varieties which appear to be worth a great deal, but this can only be determined by giving them a thorough trial. But up to the present time I find the following varieties to pay the best: Queen Louise, Lawson, Genevieve Lord, Roosevelt, Estelle and Prosperity. R. I.



TRAINED PLANT OF ASPARAGUS COMORENSIS.

A Valuable Asparagus.

Asparagus Comerensis was first illustrated in the AMERICAN FLORIST of November 30, 1901, but the photographs then reproduced did not do the plant justice, nor give the credit afforded by the accompanying half-tone. The present photograph, like the others, is from a plant grown by Christian Eisele, of Philadelphia, who stands sponsor for the American debut of the plant. It is much like A. plumosus but more robust, darker green and the foliage is softer. It is a rapid grower and Mr. Eisele thinks it is the plant of the period for "green" for decorators, also that it makes a good selling, enduring pot plant for the home.

An Unappreciated Climbing Plant.

Adlumia cirrhosa is listed in almost every seed catalogue ever published, but it must be from force of habit, for it doesn't sell the way it should; that is it didn't sell so long as it was called the climbing fumitory, the mountain fringe or, still more commonly, the Allegheny vine, but now that some genius has dubbed it the "wonderful climbing maidenhair fern vine" it gives promise of returning popularity.

I am led to the conclusion, however, that a small stock of adlumia lasts for years by the fact that the first two or three packets of seed usually fail to germinate for me, despite the fact that the vine, once obtained, is so very easily retained. The foliage is as delicate as that of the maidenhair fern and an added charm is the pinkish lavender flowers. It is a vine so beautiful that thousands of people would use it if florists would provide it in time and grow sample plants that those who know it not might view its charms. It hardly equals the cobæa for rapid growth, but is a close second, and when once established comes up annually. It is a biennial, like the hollyhock, and will not produce the running vine the first season if sown in spring.

The seeds should be planted in autumn and developed into good pot plants by

spring, which will run during the summer if planted out. The plants prefer a situation where they will not be subjected to the hot, drying sun too severely. For this reason they have been found most satisfactory on the north side of buildings, where ferns, columbines and trilliums are at home. Once established it provides its own successor.

The accompanying illustration is from a photograph of a vine which last season induced not less than fifty ladies to order plants for this spring. This porch, with its very limited front yard, would be much improved in appearance and the adlumia much benefited by the protection afforded by planting an aralia at the corner and a cut-leaved sumach in front that would shade the ground from the morning and noon sun, as this porch faced the east. The few stalks projecting out from the building, with their whorls of leaves at the top, would have had their stems covered with the vine and look much more graceful than where the wire netting is the only support. This is too graceful and charming a vine to be required to flatten itself in that way.

C. B. W.

THE ADLUMIA AS A PORCH CLIMBER IN A CITY DOOR-YARD.

Coronation of Edward VII.

Many, if not most, readers of the AMERICAN FLORIST will probably imagine that the coronation of King Edward VII will be an excellent opportunity for British nurserymen and market growers to turn over an extra honest penny. In theory or imagination it may appear so on the surface, but from personal experience, observation and inquiry, I fear that from a gardening business point of view the coronation will be a "frost." Indeed, some large growers of floral and vegetable produce around London, become quite angry at the very mention of the word coronation, and they express nothing but the most pessimistic views on the matter. Trade has been abnormally dull for a long time past. Money is difficult to obtain, and with the increased war expenditure, it is likely to become more so as time goes on. It is gradually coming home to the people that the spending of over £200,000,000 (a billion dollars) on South Africa has not been exactly beneficial from a trade point of view whatever it may be from a patriotic one.

A few growers, however, are trying to make the best of matters and have been booming their particular specialties as "the" coronation flower. In this respect pæonias, lilies of the valley, lilac and roses have been chiefly mentioned. There is not much doubt, however, as to which flower will be most generally worn. The rose will easily hold the field, and millions of blooms, both British and continental, will no doubt be in evidence during coronation week. It is doubtful, however, whether they will fetch much of a price, perhaps not more than a penny or thrreabouts (2 cents or 3 cents) a blossom when retailed. The other flowers referred to have not much of a chance, except, perhaps, the lily of the valley. The pæonias are too large for wear, although they will come in useful for dinner decorations and so forth.

The lilac in a natural state will be over altogether by coronation week and any that may be used will be retarded stock. A nurseryman of my acquaintance who grows about 60,000 strong lilacs for forcing or retarding, as the case may be, has a good deal of faith in white lilac for the coronation and is preparing himself for the event. The lily of the valley, of course, must be also retarded pips, but as it makes a sweet corsage flower and a useful decorative plant for indoor work it is likely to be used to a fairly large extent.

London, of course, will be thronged with multitudes from all parts of the world. With the exception of the hotels and restaurants, I fear little business will be done and for this reason London tradesfolk are not so keen as to the amount of material they are likely to get rid of.

One great and obvious effect of the feasting that will take place all over England will be to make salad a useful and perhaps lucrative article of commerce. Tomatoes, cucumbers, lettuces, radishes, beet root, etc., are likely to be used in enormous quantities, especially if the weather is warm and agreeable, instead of bitterly cold as it has been for some weeks past. All around the market gardens near London acres of lettuce are maturing and will be just in proper condition for the coronation festivities. Radishes also have been sown in great abundance and there is no doubt the growers have had an eye on the coronation all the time.

Although I have been around among the florists a good deal I have been astonished at the lack of originality or enterprise in inventing anything new or striking. It is true the wire workers have produced a few foundations but there is a monotonous similarity between them. They partake chiefly of crown shapes on cushions, with the letters "E. R." worked out. No doubt a certain amount of ingenuity will be displayed by the florists in filling them in but it may be taken for granted that roses, lilies of the valley and Alexandra orchids, as they are called (Odontoglossum crispum, or Alexandræ) in honor of Queen Alexandra, will form the staple of flowers used. The other flowers will probably be selected from a color point of view and the Union Jack, with its red, white and blue, is sure to be an attractive and easily worked design.

The floral decorations at Buckingham Palace, the Royal Gardens, Windsor and Sandringham, I understand, are to be extensive in character, but it is difficult to secure any information that could be considered trustworthy in regard to the matter.

Bedding out will all be finished by coronation week and I hear from certain quarters that attempts at reproducing the Union Jack in floral colors will be attempted in many gardens. The triumphal arches that are being erected in London and the provinces and the huge stands near Westminster Abbey, Parliament Square, Trafalgar Square, St. Paul's and other noteworthy places along the route for the great procession may possibly have climbers of various kinds, either natural or artificial, on the pillars and along the front to hide the timber and lend an effect to the drapery of flags and other material.

From a horticultural point of view

little more can be said of the coronation preparations. Whatever excitement and business take place at the time, there seems to be a universal feeling that after the event is over there will be a tremendous slump in everything. One never knows, however, what is likely to happen, and perhaps the general impression at present prevailing may turn out to be unfounded. W.

Clematis Indivisa.

In some instances many years elapse from the introduction of a new plant before its value becomes generally apparent, and Clematis indivisa seems to be among the plants to which such treatment has been accorded. Introduced from New Zealand in 1847, until the past year or two it has been seldom seen, though doubtless of value as a greenhouse climber.

The plant in question is a vigorous growing evergreen climber, and is not hardy unless it may be in some of the southern states or on the Pacific coast, and is therefore not likely to become so generally useful as C. paniculata for example. C. indivisa is a spring flowering species, and does not need much heat in order to produce its bloom freely, the temperature of a carnation house being high enough for this clematis. Planted out in such a house, and trained on wires, where it could be syringed freely in order to avoid red spider, given a liberal allowance of water during the summer and an occasional top dressing of manure, and one could then expect a vigorous growth. During the winter rather less water would be required, thus hardening the growth and giving a partial rest, this period being arranged according to the time in the spring at which the flowers would be most useful, it being somewhat doubtful if one could force it into bloom successfully until the sun gets strong.

The flowers of C. indivisa remind one to some extent of those of C. paniculata, and are creamy white in color, but as may be noted from the accompanying illustration, they are larger than those of the last named species, and also have more sepals, C. paniculata usually having but four sepals while C. indivisa has seven or eight.

Propagation may be effected by means of seeds, or by root grafting on one of the common species, C. flammula or C. viticella furnishing good roots for grafting purposes. W. H. TAPLIN.

Westerly, R. I.

Some time ago local surveyors were engaged on the Foster farm, commonly known as Riverside farm, on Beach street, taking levels and plotting out the lay of the land. William W. Foster is to erect and manage a range of greenhouses there. The plant is to be built some distance from the roadway, near the river bank, where the facilities are exceptional. Mr. Foster proposes to build two houses, each 22x200 feet, with a north side propagating house. On the east end of the houses will be built a work shed and another shed in which two twenty-five horse-power boilers are to be placed. A cooling cellar has also been planned. The work of construction of the plant will be under Mr. Foster's personal supervision and he will endeavor to have the work completed in time for the planting in the fall. It is the intention to grow carnations for wholesale trade.

CLEMATIS INDIVISA.

Chicago.

BUSINESS VERY QUIET UP TO THE HOUR OF MEETING REQUIREMENTS FOR MEMORIAL PURPOSES.—MILLIONS OF CARNATIONS BUT ROSES TOO SOFT TO SHIP.—PÆONIAS THE ONLY SHORTAGE.—MANY OUT OF TOWN ORDERS.—FERNS RUN SHORT AT HEIGHT OF THE BUYING.—HEAVY RAIN.—VARIOUS LOCAL DOINGS.—VISITORS.

The not unexpected turn to cold weather came promptly after the big rain last Saturday night and resulted in an apparent case of suspended animation in the producing end of the cut flower industry. But appearances were deceitful; the cut early in the week was not retarded nearly so much by the cold as by the growers, who were "saving up" for Memorial day. At that the growers were not able to do much at holding back carnations; they had not storage room enough. All through the week the receipts on this item have been unwieldy, far ahead of that part of the demand which could use the stock at any reasonable figure, and just before Memorial day the daily receipts ran into seven figures, undoubtedly heavier than ever before on record. While the rose cut was materially reduced by cold, it was not a matter of great concern to the wholesalers, for the stock was so soft that they did not care to ship it to good customers, and there were ample supplies for all the local buyers. Beauties averaged rather better than the other roses, but they, too, were selling cheaply, particularly the long-stemmed stock, which continues to form a large proportion of the receipts. Early in the week the market was very quiet, with pæonias about the only active commodity, but on Wednesday all the wholesalers who do anything at all in the shipping line had their hands full. At this close view it is impossible to state accurately whether or not the Memorial day business ran ahead of a year ago, but it is certain that there were more orders in town, only they did not average so large. As earlier in the week, the principal demand was for pæonias, there being a noticeable decrease in the number of carnations called for on out of town orders. On Thursday and again early on Friday morning local buying was fairly active. The only shortage aside from sound roses proved to be on good pæonias. Amaza Kennicott estimates the available supply for the three days' business as from 5,000 to 6,000 dozens, but many of them were poor. Of good stock three times as many might have been sold at from 75 cents to $1 a dozen. There were large receipts of splendid cape jasmines from Alvin, Texas, and they sold well. As Memorial day approached the supply of ferns ran out and the last few cases brought advanced rates without fully satisfying the demand.

At the regular meeting of the Florists'

Club, May 28, Edgar Sanders presented the report of the committee on the recent entertainment. The report was very encouraging and the committee deserves much credit for the success attending its efforts. The arrangements for the annual summer outing were left with President Winterson and the entertainment committee. An important communication from Secretary Barron, of the American Rose Society, with reference to holding the next spring exhibition of that organization in this city, was handed to the secretary by Emil Buettner. This matter will be discussed at the next meeting of the American Rose Society, June 11, and immediate action is necessary. The chairman was instructed to appoint a committee to confer with the Horticultural Society of Chicago regarding the communication and he has selected Emil Buettner, C. L. Washburn, Peter Reinberg, N. J. Wietor and A H. Budlong to act in this capacity. In the absence of President Winterson, M. Barker presided.

The outing of the employes of Vaughan's Seed Store, May 24, was well attended and the ladies, heavily laden with baskets of choice delicacies, conspired with the weather man to make it a most enjoyable event.

The rainfall has been very heavy in May. On Saturday night, May 24, the precipitation exceeded an inch, the average monthly rainfall, and in the month it was nearly twice the normal.

P. S. Peterson & Son have supplied the material and executed the decorative work at the Coliseum, which opens as a summer garden to-day.

Frederick Hunt, formerly with the Chicago Carnation Co., is now foreman for W. N. Rudd at the Mount Greenwood cemetery.

Albert Ericsson, of Vaughan's Greenhouses, Western Springs, says the latest arrival is a 15-pound boy. Good luck to him.

Friedman is handling the Eldredge B carnation from Belvidere and finds it a fine seller.

John Weiland, of Evanston, is rejoicing in the recent arrival of a baby girl.

James S. Wilson, of Western Springs, leaves to-day on an eastern trip.

Miss Jessie Ludlow is spending a short vacation in Michigan.

John Degnan returned from New York early in the week.

Visitors: Andrew Peterson, Hoopeston, Ill.; Mr. Button, Lake Geneva, Wis.; A. H. Burt, Kankakee, Ill.

New York.

WHOLESALE MARKET GIVEN A BRACE BY COOL WEATHER.—PRODUCTION SOMEWHAT RETARDED.—PÆONIAS MORE POPULAR THAN BEAUTIES.—DOINGS OF PERSONAL AND TRADE INTEREST.

The wholesale cut flower market is still in an unsatisfactory condition, but the unforeseen cool weather has had the welcome effect of retarding production and conditions for Memorial day were more nearly normal than was expected. Pæonias from the south are coming in and are finding a fair sale, while American Beauty roses go principally to the street Greeks. Some lilac and bulbous stock is still in market.

The proceedings against Adolph LeMoult have been dismissed and the plaintiff reprimanded by the court for hasty action. Mr. LeMoult threatens suit for $50,000 damages.

Friday, May 30, was the silver wedding anniversary of Mr. and Mrs. Julius Roehrs. A legion of friends join in congratulations and more would have been present at the festivities which marked the occasion had it not fallen on a busy holiday.

There were many floral tributes at the funeral of Charles H. Downie, of Peter Henderson & Co. He was a general favorite and leaves a widow and son.

John Kral, foreman for Moore, Hentz & Nash, has been dangerously ill with pneumonia for two weeks.

A. Dimmock sails for London June 14. B. Suzuki, of Suzuki & Iida, starts for Japan June 10.

Visitors: S. A. Anderson, Buffalo; Wm. Griffin, Thompson, Conn.

Philadelphia.

MARKET IS HEAVILY SUPPLIED WITH PÆONIAS HURRIED ALONG BY WARM WEATHER.—BEAUTIES AND TEA ROSES SELLING LOW.—PRICES ON OTHER STOCK DOWN TO SUMMER LEVEL. — WHOLESALERS SHOULD GET TOGETHER —EUROPEAN TRAVELERS.—VARIOUS NOTES.

This is pæonia week, the warm weather of the past few days bringing them in with a rush. They are very fine but they do not keep very well. They should be cut when in bud, for they pop open at once when they get into the store and often in a wagon during carriage. S. S. Pennock is handling in the neighborhood of a thousand blooms a day, a large van load being received each morning from one consignor, the H. A. Dreer Company. They are a great boon to the decorator, but entail an amount of labor that seems hardly repaid with the price received, which ranges from $3 to $4 per hundred blooms. All other flowers are plentiful, particularly Beauties, sweet peas and carnations. Beauties are now $1 to $2 per dozen and in large lots are sold away below. Teas average from $4 to $6 per hundred. Carnations are quoted at from $1 to $2 and they are still very good. Sweet peas are good sellers as spring flowers and move quickly at from 50 cents to 75 cents per hundred. Gardenias that were started December, January and February are now arriving in large quantities and of excellent quality. Instead of $1 each, about that price per dozen is the quoted figure. Perhaps Brother Dorrance, of Wilkesbarre, could be induced to give us a few pointers.

We note with interest the gathering of the wholesale markets of New York under one roof. There is no attempt to regulate prices, only a place where buyers and sellers meet and the question of price regulates itself and becomes more uniform than by any other system. Everything is convenient and business all over in two hours. What a contrast to the Philadelphia style, where the growers spend half the day hunting up their customers instead of standing still in some convenient spot and selling out in a jifly.

Robt. Craig & Son are having a great sale on their crotons. They make this plant a specialty and carry probably the largest stock in the country. A house of cyclamens is coming on nicely. The plants have been growing the past season planted on a bench and have made very nice stock, many of them, on being lifted, being put into 5-inch pots. They will now be placed outside in a frame, where they will be grown on through the summer.

Fred. Ehret, the genial up-town wholesaler, has finally selected a route and will sail for Europe on the Fatherland from New York on June 21. Rueben Keinle will accompany him. The essay committee has been notified and about the first week in September the members of the Florists' Club can expect a treat, in the dual description of the trip abroad. Harry Bayersdorfer and wife will also go abroad about the middle of June.

Godfrey Aschmann has just received twenty cases of palms and araucarias from Belgium, arriving in fine condition. He reports good business in spring bedding plants.

Dennis Connor has associated himself with the Lord & Burnham Company, the New York greenhouse builders.

Don't forget George C. Watson's "All about Boston" at the June meeting of the club next Tuesday evening.

K.

Boston.

TRADE CONDITIONS CONTINUE VERY UNSATISFACTORY.—TOO MUCH STOCK IN ALL LINES.—PROTRACTED DROUGHT BROKEN. —SPRING FLOWERING SHRUBS HEAVILY LADEN THIS YEAR.—VARIOUS NOTES.

Very unsatisfactory, things have been in and about the wholesale marts during the past week, not only because of the extreme feebleness of the demand for flowers, but on account of the very heavy supply that has been piling in upon the market daily. This is true of carnations and roses especially. Both are represented by every variety under cultivation, in unwieldy abundance and there is not a single variety of either that holds pre-eminence enough in any feature to give it a push ahead of the sluggish procession into which all sorts, regardless of "color or previous condition" have been forced to drag along. And now Decoration day gives cause for speculation. Coming, as it does, this year on Friday, we shall not be able to record the result until our issue of next week, but the conviction is growing on all interested, a few days ahead of the holiday, that although lilacs and bulbous material have all gone by, there will be no difficulty in supplying all demands from the bountiful store of greenhouse product that is at hand, not to mention a number of outdoor subjects rarely seen at this date here, but which the early season makes available this year, such as rhododendrons, Japan snowballs and so forth.

The unusually severe drought which has prevailed for some weeks seems to have been successfully broken and there have been several good showers, which were much needed by grass and trees that were suffering for lack of moisture. Carnations in the field had begun to give solicitude to their owners. Most of the spring flowering shrubs have bloomed full this season, including the exochordas, which are not always a sure crop here, but are at the present time loaded down with flowers. Rhododendrons are scarcely as good as they were last year. Although the winter seemed not unfavorable to them, yet they lost considerable foliage in exposed locations and the blossoming now shows many buds partially blighted and imperfect.

F. O. Santheson, who has been gardener at Mt. Feake Cemetery for the past four years, has gone into business and opened a place at 71 Hammond street.

Visitor: J. W. Withers, New York.

FULTON, N. Y.—D. A. Northrop has opened an attractive floral establishment at 42 South First street.

THE AMERICAN FLORIST

SEVENTEENTH YEAR.

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cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

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-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., Chicago.

EGANDALE is still well up among the favorite cannas.

THERE is less complaint this season of stem rot in G. H. Crane carnation.

THE supply of cannas from pots is holding out, despite increased demands.

THE improved forms of the gladiolus, the light colors, are very acceptable for funeral work.

Cut fronds of Adiantum Farleyense have been short of the demand in the best markets nearly all season.

THE diploma of Grand Prix awarded at the Paris Universal Exposition of 1900 has been received by the AMERICAN FLORIST.

MEMORIAL day sees even a greater proportion of the bedding work accomplished this year than usual owing to the early season.

WM. H. CHADWICK, after Timothy Eaton and Col. Appleton, has been the chrysanthemum most in demand this spring, according to the rooted cutting men.

THE production of window glass has practically ceased for the summer; stocks are low and those who need quantities for new work or repairs will gain nothing by delay in placing the order.

WESTERN rose growers should interest themselves promptly and energetically in the suggested meeting and exhibition next March of the American Rose Society in Chicago. It is an opportunity not to be lost sight of.

We Like Letters Like This.

ED. AM. FLORIST:—Enclosed is $1 for another year's subscription to your paper. We can't do without it.

Richmond, Mo. N. J. FLINT.

American Rose Society.

The stated June meeting of the American Rose Society will be held in New York on June 11 in connection with the June show of the Horticultural Society of New York, at the New York Botanical Garden. The rose society offers a silver medal for the best display of garden roses on this occasion. Further particulars of the exhibition and the full schedule may be had from the secretary, 136 Liberty street, New York. The rose society is now arranging to offer its gold and silver medals at some of the leading exhibitions next year, particulars of which will be made public very shortly. The gold medals will be offered for novelties.

The Iron Gutter Patents.

ED. AM. FLORIST:—I see in last week's edition that my iron gutter patents are being offered for sale, and as the reputation earned for them is not such as would warrant this action, I therefore request that you announce in your columns that such parties are assuming unauthorized responsibility. GEO. M. GARLAND.

Des Plaines, Ill., May 29.

Greenhouse Building.

Phillipston, Mass.—Chas. H. Stewart, cucumber house.

Canonsburg, Pa.—J. B. Murdoch & Co., range of houses.

Westerly, R. I.—W. W. Foster, two houses 20x200.

Mt. Clemens, Mich.—John Carey, house 16x120.

Redondo, Cal.—Martin Wolfskill, three houses 20x210.

San Francisco, Cal.—Louis Chiappari, ten houses 20x110. F. Gonzalez, two houses 18x150.

Randolph, Vt.—Burnell & Totman, house 19x100.

Huntington, Mass.—John Eagan, two houses 15x50.

Derry, N. H.—N. G. Pillsbury, one house.

Pontiac, Ill.—W. J. Miller, three houses 30x100.

Diseased Begonia Leaves.

ED. AM. FLORIST:—I enclose some diseased begonia leaves and would like, if possible, a diagnosis of the trouble, also suggestions as to the remedy. Whatever it is it seems to attack healthy tissues as readily as those of plants in a weakened condition. It made its appearance in our carnation house, which we have ventilated night and day, except in the most extreme weather. Since then it has spread to other houses. We have given them all the ventilation they would safely stand but without checking the disease. N. J. F.

Unfortunately we can give you no satisfactory information in regard to the diseased condition of the begonia leaves. The spots with concentric lines suggest the presence of a fungus and, in some, mycelium can be found but scarcely in sufficient quantity to be responsible for the entire injury. The leaves were placed in moist air under conditions favorable for the development of the fungus, hoping that its identification might thereby be established, but in that we have been disappointed. The making of that experiment explains the delay of this reply. We have learned that a disease which is probably the same has been the cause of serious loss in some greenhouses but it remains an unsolved problem.

A. F. WOODS.

Trouble With Jasmines.

ED. AM. FLORIST:—Can you suggest the cause and remedy for my trouble with Maid of Orleans jasmines? I have repotted them into several kinds of good soil and kept them in a temperature of from 40° to 60°, but they keep going back on me. J. G.

It is taken for granted that the jasmine in question is Duchesse d' Orleans, one of the double forms of Jasminum Sambac. This is one of the tender jasmines, and would not be very likely to go ahead while kept in a temperature of 40°, though a winter temperature of 60° ought to prove satisfactory. This plant is an evergreen, and during the summer months may be planted outdoors in the open ground, and exposed to the full sun, where it usually makes more growth than when pot-grown for the whole season, the course of treatment being practically the same as that given to gardenias. A light and rather open soil is best for these jasmines, for while they enjoy plenty of water when growing freely, yet the drainage should always be in good working condition. Pot firmly and try a moderate quantity of bone dust as a fertilizer, the bone dust being mixed in the potting soil. During the winter rather less water will be required, but unless these jasmines are syringed freely they are quite liable to an attack of red spider. Plants that have been grown outdoors for the summer should be lifted before any frost has touched them in the autumn and should be potted up and placed in a partly shaded greenhouse for a time, until the roots begin to move afresh, also syringing frequently until the plants are established, but at the same time, being careful not to get the soil sodden, and when in good condition will produce flowers in moderate quantities throughout the winter and spring.

W. H. TAPLIN.

Pittsburg.

STOCK RETROGRADES UNDER THE INFLUENCE OF SHIFTING TEMPERATURES—KAISERIN THE ONLY GOOD ROSE—LILIES AND PÆONIAS SCARCE FOR MEMORIAL PURPOSES.—VARIOUS NOTES OF VARIOUS DOINGS.

The condition of the rose stock is worse than at any time since last summer. The cut of almost every grower is mildewed and there are absolutely no good roses to be had excepting Kaiserin. Eastern Brides and Bridesmaids may be all right in the east but, with rough handling, they come in badly bruised. Carnations have deteriorated very much in quality, but not to the same extent as roses. Lilies are scarce for Memorial day and outdoor flowers are very backward. We cannot depend on our home supply of pæonias, so they come from the east and south. Business is dormant but the outlook for June is very encouraging, as the various stores have an unusual number of advance orders

Fred. Burki and family have vacated their beautiful home in Bellevue and taken up their residence at Crystal Farm, which is in close proximity to the greenhouses of the Pittsburg Rose and Carnation Company, of which Mr. Burki is president.

The construction of the range of houses by J. B. Murdoch & Company is rapidly nearing completion and it is expected that the rose stock will be planted by July 1.

Otto Reisch and Harry Graves have departed for Beloit, Ohio, to superintend the construction of their new houses.

E. L. M.

Nashville.

MANY OUTDOOR FLOWERS AT HAND FOR MEMORIAL PURPOSES.—FLORISTS REAP NO HARVEST.—PLANT TRADE HEAVY AND COMMENCEMENT SEASON HERE.

Memorial day, as a commercial event, cuts very little figure with the florists in this city, coming, as it does, when all the old-fashioned flower gardens that abound in this vicinity are gorgeous with bloom and beautiful flowers are to be had for the asking. Pæonias have been very abundant, but are finishing now and Lilium candidum is just coming in, for

decoration days, for there are two dates here when flowers are strewn on the graves, the national date, May 30, and June 3, when all confederate graves are decorated. But neither makes much difference to the florist. If called upon at all he is expected to donate his flowers. However, the commencement season is now on and there is a good call for flowers, as well as for plants to decorate platforms in which to embower the sweet girl graduate. The plant trade has been most excellent, and already flower beds are in full bloom. The call for plants will, however, continue for some time yet before it is too hot and dry for the making of beds, by which time the plant supply will have been pretty well sold out. The cut flower trade continues brisk and in quality the roses have been unsurpassed.

The street fakir has made his appearance and may be seen numerously with baskets of sweet peas and other blossoms. He has not fully caught on to the tricks of the trade, but as an advance guard he is surely here.

The new venture of Currey's, under the management of George R. Currey, has made an excellent start and promises to become a feature in next season's trade, when they will do all classes of floral work. M. C. DORRIS.

Lowell, Mass.

TRADE IN LAST WEEK THE BEST OF MONTH.—CUT FLOWER BUSINESS ACTIVE BECAUSE OF WEDDINGS AND FUNERAL WORK.—CARNATION PRICES SKYROCKET.—NO OTHER SHORTAGE.—MUCH PLANTING OUT BEING HURRIED ALONG.

Business has spruced up wonderfully, compared with the first part of the month. The past week has been the busiest one of the month. There have been several small weddings. Patten produced some very pretty effects for the Taylor-Sewell nuptials. There have been several large funerals, the obsequies of ex-Mayor Dimon calling for particularly large quantities of flowers of the best grade. Wreaths seemed to predominate and Patten, Whittet and McManamon seemed to get the bulk of it. The supply of cut flowers is in good condition, with no shortage of any kind. Carnations that were coming in by the thousands last week have slackened upconsiderably and the prices have jumped skyward, $4 per hundred being asked for ordinary varieties, but if this warm weather continues they will surely have to take a slump. Brides and Bridesmaids are very small. Carnot and Kaiserin are the roses now sought for, although Beauties seem to be holding their own.

At this early date it seems as if we had plunged into summer. Such intense heat followed by heavy rains has been trying on the newly planted out stock.

D. Hartford, of Bedford, is cutting some outdoor valley of excellent quality. Last year at this time Mr. Hartford was just uncovering it.

Gus. W. Patten, D. D. G. E. R. of Elks for Massachusetts, was tendered a banquet at North Adams last week, by the Elks of that city.

The men who handle bedding plants seem to be rushed with orders, filling vases, window boxes and so forth.

There seems to be no end to sweet peas but the finest coming to town are from Otto Bourdy.

Some very fine pink pond lilies are coming to town. The first sold at $1 a dozen. A. M.

OBITUARY.

THOMAS YOUNG.

The demise of venerable Thomas Young came on Tuesday, May 27, after a protracted illness, from which he had several times rallied so strongly that hopes were entertained for his renewed health. Mr. Young was born in Eastbourne, Sussex, England, in 1818. He began his career as a gardener on the estate of the Duke of Devonshire. He went from there to Boddegan Hall on the island of Anglesea, North Wales, and thence to the Pine Apple nurseries of Messrs. Henderson. His next position was with Mrs. Lawrence at Eaton Park and afterwards he was employed at Abernaut Park, Glamorganshire, whence after fifteen years of service he came to this country in 1870. Throughout his career he gained and maintained a wide knowledge and celebrity as a gardener of high attainments, excelling especially in the difficult branch of pine apple growing. Personally he was jovial, hearty and kindly, a perfect type of the old-time gardener, in love with his profession and honored by his colleagues. He leaves a widow and a family of seven sons and daughters. Two of the sons, Thomas, Jr., and John, are engaged in the flower business in New York city, John Young being also secretary of the New York Florists' Club. Two others, William and George, are rose growers at Clifton, N. J.

NAUGATUCK, CONN.—F. C. Miller has opened a new florists' store on North Main street.

ROCHESTER, N. H.—The greenhouse of N. Gauthier, on North Main street, has been sold to C. W. Bradley for removal.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (six words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1902 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—As foreman and grower of cut flowers and plants. Have been foreman with prominent florists around Chicago for a number of years. Address FLORIST, Box 54, Hinsdale, Ill.

SITUATION WANTED—As foreman by practical florist on roses, 'mums, carnations and general stock. Best of references from past and present employers. First-class place wanted. Address LAWRENCE, care American Florist.

SITUATION WANTED — As working foreman by grower of roses, carnations, violets, 'mums and miscellaneous plants, 35 years' practical experience in England and America. English, aged 49; single. GEO. H. MORRIS, Eagle House, Harrisburg, Pa.

SITUATION WANTED—As foreman by thoroughly practical florist. Good decorator, designer, etc. Grower of No. 1 roses, carnations and 'mums. First-class commercial or private position. Good wages expected. Address G. FOREMAN, care P. O., Canton, O.

SITUATION WANTED—By a first-class florist, 20 years' experience in growing roses, carnations, 'mums, etc., general pot plants and design work. Capable of taking charge and handling of help. State wages. Address F. W. NORTH, 4849 Chestnut St., Philadelphia, Pa.

WANTED—1,000 feet of 4-inch cast iron pipe in good condition. Also a hot water heater. Give full description and price. Address I. L. PILLSBURY, Galesburg, Ill.

WANTED—Young man to learn the greenhouse business, growing of roses and carnations. State age. Apply to JOHN L. WYLAND, De Haven, Pa.

WANTED—Rose growers and helpers; also one man that understands growing chrysanthemums. The highest wages and steady work. BASSETT & WASHBURN, Hinsdale, Ill.

WANTED — At once, good grower and all-around plantsman as foreman. C. H. FREY, 1133 O St., Lincoln, Neb.

WANTED—Florist with good references, to grow cut flowers and pot plants. Single German preferred. Address MRS. GEO. WALDBAUER, Saginaw City, Mich.

WANTED—A young man for retail florist place; must be well posted on ferns and palms; not afraid of work, and have A1 references. Address H. F. HALLE, 548 West Madison St., Chicago.

WANTED — First-class carnation grower, to take charge of section. Best references required as to ability, character and sobriety. Wages, $60 per month. Address THE J. A. BUDLONG & SON COMPANY, 171 Canal St., Providence, R. I.

FOR SALE OR RENT—Small greenhouse in Ohio. Will sell or take good partner. Address H P O, care American Florist, Chicago.

FOR SALE—Prosperous, up-to-date, growing florist business; established 12 years. Address for particulars, MRS. S. N. ALKIRE, Greenview, Ill.

FOR SALE—At a bargain, greenhouses, 25,000 feet of glass, land and good dwelling house, barn, etc., in best of condition and well stocked; near Chicago; owner going into other business. Address H G, care American Florist.

Wanted...

Thoroughly competent man, to take charge of the lawn and grounds about the pumping station of the Des Moines Water Works Co. Useless to apply unless capable. Position permanent. Apply, giving full particulars and references, to

CHAS. S. DENMAN, Sec'y & Mgr., Des Moines, Iowa.

For Sale at a Bargain

Greenhouses, 25,000 square feet of glass, all in good condition and paying well; within 20 miles of Chicago. Owner is going to retire from business. Address F S, care American Florist.

Second HAND BOILERS and Pipe.

5 No. 16 Hitchings Boilers in good order, with New Grates and Fire Bricks. Also 6,000 feet 4-in. cast iron extra heavy pipe, 9 feet lengths, ells, tees and Expansion Tanks.

Cheap for Cash.

W. A. Hammond

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If you want to get the want you want to get, you want to get your want ad into the

AMERICAN FLORIST

Try it now.

Every advertisement represents a genuine want. It pays to answer them.

PRICE LIST.

BEAUTIES.	Per doz.
Long stems	$2.50 to $3.00
Medium stems	1.50 to 2.00
Short stems	.75 to 1.00
	Per 100
Brides	$4.00 $6.00
Maids	4.00 6.00
Meteors	4.00 6.00
Gates	4.00 8.00
Carnations	2.00 2.50
" large and fancies	3.00
Lilium Harrisii	10.00 12.50
Sweet Peas	.50
Valley, select	4.00
Valley, outdoor	2.00
Asparagus Plumosus, per stg.	.50 .75
Asparagus Sprengeri	3.00 4.00
Ferns, per 1000, $2.50	.25
Galax, per 1000, $1.25	.15
Leucothoe sprays	1.00
Adiantum	1.00
Smilax, per doz.	1.50 2.00

Prices subject to change without notice
Above prices are for first-class stock.
Lower grades billed accordingly.

WILD SMILAX

In Limited Quantities.

30-lb. case $6.

Orders Promptly Filled.

J. B. Deamud, 51-53 Wabash Ave. ..CHICAGO..

GLADIOLUS BULBS

Closing Prices..

7,000, in separate colors, 1st size, at $12.50 per 1000.

10,000 High Grade Mixtures, for cut flowers, 1st size, at $10 per 1000.

8,000, good mixed, 1st size, at $7.50 per 1000.

Novelty, No. "1900," $4.00 per 100.

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COMMISSIONS CARRIED OUT IN LONDON

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Messrs. WILLS & SEGAR will attend to any commission from American florists for the supply of Cut Flowers, Birthday Flowers, Bouquets, High Class Floral Designs, etc., to their clients who may be traveling in England.

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TELEGRAMS, Onslow Crescent, South Kensington,
FLOSCULO, LONDON. LONDON, ENGLAND.

"Fumigation Methods"

BY PROF. JOHNSON.

Every Grower needs this book..... Price **$1.00**

AMERICAN FLORIST COMPANY,
324 Deerborn Street, ...CHICAGO.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns

Wholesale Flower Markets

MILWAUKEE, May 29.

Roses, Beauty, long, per doz.	2.50@ 3.00
" " med. "	1.00@ 1.50
" " short "	.50@ .75
" Liberty	6.00@10.00
" Bride, Bridesmaid	3.00@ 5.00
" Meteor	4.00@ 6.00
" Golden Gate	3.00@ 5.00
" Perle	3.00@ 5.00
Carnations, ordinary	2.00
" fancy	3.00
Harrisii	10.00
Lily of the valley	2.00@ 4.00
Tulips	1.50@ 2.00
Adiantum	.75@ 1.00
Smilax	18.00@20.00
Asparagus	65.00
Common ferns	.25

PITTSBURG, May 29.

Roses, Beauty, specials	20.00@25.00
" " extras	12.00@15.00
" " No. 1	4.00@ 6.00
" " No. 2	2.00
" Bride, Bridesmaid	1.00@ 6.00
" Meteor	1.00@ 4.00
Carnations	1.00@ 2.00
Lily of the valley	2.00@ 3.00
Harrisii lilies	5.00@10.00
Pansies	.25@ .50
Daisies	.50@ 1.00
Sweet Peas	.20@ .50
Smilax	10.00@12.00
Adiantum	.75@ 1.00
Asparagus	35.00@40.00

CINCINNATI, May 29.

Roses, Beauty	10.00@25.00
" Bride	1.00@ 4.00
" Bridesmaid	1.00@ 4.00
" Meteor	1.00@ 4.00
" Perle	1.00@ 3.00
" Liberty	1.00@ 4.00
Carnations	.75@ 2.00
Lily of the valley	3.00@ 4.00
Sweet Peas	.50
Longiflorum lilies	8.00
Asparagus	50.00
Smilax	15.00
Adiantum cuneatum	1.00
Common ferns	.20

ST. LOUIS, May 29.

Roses, Beauty, short stem	5.00@12.50
" " long stems	15.00@25.00
" Bride, Bridesmaid	2.00@ 5.00
" Meteor	2.00@ 5.00
" Golden Gate	2.00@ 5.00
Carnations, ordinary	1.00
" choice	1.50
Sweet peas	.25@ .40
Harrisii	6.00@ 8.00
Callas	6.00@10.00
Smilax	12.50@15.00
Asparagus Sprengeri	1.00@ 1.50
" Plumosus	1.00@ 1.50

Sweet Potato Plants.

YELLOW JERSEY, $2.00 Per 1000.

DAVIS BROS., Morrison, Ill.

Please mention the American Florist when writing.

E. H. Hunt,

WHOLESALE.....

Cut Flowers

THE "OLD RELIABLE,"

76 Wabash Ave., CHICAGO.

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in **Cut Flowers**

All telegraph and telephone orders given prompt attention.

GREENHOUSES: Morton Grove, Ill.

35-37 Randolph Street, CHICAGO, ILL.

The Cincinnati Cut Flower Co.,

416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

MICHIGAN

Cut Flower Exchange,

WM. DILGER, Manager,

WHOLESALE COMMISSION.

Full line of Florists' Supplies and Decorations.
Special attention to shipping orders.

26 Miami Avenue, DETROIT, MICH.

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WHOLESALE FLORISTS and FLORAL SUPPLIES.

Receivers and Shippers of Fresh Cut Flowers.

Special attention to shipping orders. A complete line of Florists' needs. Send for price list. Prompt returns on all consignments.

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Please mention the American Florist when writing.

C. A. KUEHN, Wholesale Florist,

1122 PINE STREET.

ST. LOUIS, MO.

A complete line of Wire Designs.

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WHOLESALE FLORISTS.

Pittsburg, Pa.

Please mention the American Florist when writing.

H. G. BERNING

Wholesale Florist

1322 Pine St., ST. LOUIS, MO.

Frank M. Ellis,

WHOLESALE FLORIST,

1316 Pine Street, ST. LOUIS, MO.

CONSIGNMENTS SOLICITED.

JUNE WEDDINGS and COMMENCEMENTS

Your work for these occasions will give satisfaction if you get your supplies from Amling. Best Beauties, Tea Roses, Paeonias, Fancy Carnations, Orchids, Valley, Green Goods. Everything that's to be had anywhere.

E. C. Amling

The Largest, Best Equipped and Most Centrally Located Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St. CHICAGO.

L. D. PHONES CENTRAL 1999 AND 1977.

PRICE LIST.

BEAUTIES.		
30-36-inch stems, per doz.,		$3.00
24 " " "		2.00
20 " " "		1.50
16 " " "		1.00
12 " " "		.75
6 to 8-in. " per 100	$4.00	5.00
		Per 100
Brides	$4.00	6.00
Maids	4.00	6.00
Meteors	4.00	6.00
Gates	4.00	6.00
Carnations	1.00	1.50
" large and fancies		2.00
Callas per doz.,	1.00	1.25
Paeonias	3.00	6.00
Sweet Peas	.75	1.00
Valley, select		4.00
Marguerites	.50	.75
Asparagus plumosus, per stg,	.50	.60
" Sprengeri	3.00	6.00
Galax " 1.25;		.15
Adiantum		1.00
Smilax per doz.,	1.50	2.00

Prices subject to change without notice

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty..... WHOLESALE GROWER of **CUT FLOWERS**

The F. R. WILLIAMS CO.

WHOLESALE FLORISTS.

Brides, Maids, Meteors, Carnations, Cut Adiantum, Galax, Common Ferns, and Florists' Supplies.

Telephone Connections. CLEVELAND, OHIO.

A. L. Randall,

WHOLESALE FLORIST.

4 Washington Street, CHICAGO.

Send for weekly price list and special quotations on 1000 lots.

WEILAND-AND-RISCH

CHICAGO'S RELIABLE

Wholesale Growers and Shippers of

CUT FLOWERS,

59 Wabash Ave., Chicago.

SEND FOR WEEKLY PRICE LIST.

WHOLESALE FLORISTS

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florists

31-35 Randolph St., CHICAGO.

Consignments solicited.....

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FOR FUTURE BARGAINS.

JOHN BROD,

349 West North Avenue, CHICAGO, ILL.

Greenhouses, Niles Center, Ill.

American Florist Advertisements Work Every Day.

Wholesale Flower Markets

CHICAGO, May 28.

Roses, Beauty, 30 to 36-inch stems		3.00
" " 24 " "		2.00
" " 20 " "		1.50
" " 15 " "		1.00
" " 12 " "		.75
" " 6 to 8 " " per 100	4.00@	5.00
" Bride, Bridesmaid	4.00@	8.00
" Meteor	4.00@	8.00
" Perle	3.00@	6.00
" Golden Gate	4.00@	8.00
Carnations	2.00@	4.00
Lily of the valley	3.00@	4.00
Harrisii	8.00@	12.50
Callas, per doz. 1.25@1.50		
Cape jasmines		2.00
Paeonias per doz. .75@ 1.00		
Cattleyas per doz. 6.00		
Sweet Peas	1.00@	1.50
Adiantum		1.00
Galax leaves, per 1000 $1.25		.15
Smilax per dozen 1.50@ 2.00		

LILY of the VALLEY

The finest now ready to cut.
Fine pips from cold storage, $13 per 1000.

H. N. BRUNS,

1409-1411 W. Madison St., CHICAGO.

Blooming Laurel FOR JUNE WEDDINGS.

Large blooms, long stems, 2x2x4 feet case $3.50. Green Laurel, long stems $2.50 per case. Packed with Sphagnum Moss. Ready June 1st.

W. Z. PURNELL, Snow Hill, Md.

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WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Avenue, CHICAGO.

FRANK GARLAND,

Wholesale Grower of **Cut Flowers**

SPECIAL ATTENTION GIVEN TO HARDY CUT **FERNS**

55-57 WABASH AVENUE,

Telephone Central 3284. CHICAGO.

GEO. REINBERG,

Wholesale Grower of *Cut Flowers*

Choice American Beauties..

We will take care of your orders at reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

Please mention the American Florist when writing.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.

Headquarters for American Beauty.

51 Wabash Ave., - CHICAGO, ILL.

JOHN MUNO,

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Room 221, 51 Wabash Ave., CHICAGO.

TELEPHONE CENTRAL 3598. All telegraph and telephone orders given prompt attention.

American Florists Ads

Always do business,
Week days and every day
Sundays and holidays,
All over the country,
At home and abroad.

Paeonias

SAMUEL S. PENNOCK,
Wholesale Florist,
1612-18 LUDLOW ST., PHILADELPHIA, PA.

Gardenias

On and after June 1st will be open from 7:30 a. m. to 8:00 p. m.

GEO. A. SUTHERLAND,
34 Hawley St., BOSTON.
Telephone 1270 Main.
BEST BOSTON FLOWERS. All Supplies.
An entire floor Devoted to Stock and Manufacturing. Distributing Agent for United States for the wonderful

"Floral" LETTER, unequalled for design work. Script, any color, 3½c a letter. Block letters, 1½c each. The most elaborate design work to order in a few minutes.

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H. BAYERSDORFER & CO., Philadelphia.
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A FULL STOCK OF
SEASONABLE FLOWERS.

CITY HALL CUT FLOWER MARKET
WELCH BROS., PROPS.
9 CHAPMAN PLACE,
15 PROVINCE STREET, **Boston, Mass.**

J. K. ALLEN
Fresh Flowers
— FOR —
June Weddings
and any other occasion at bed-rock market rates.
106 W. 28th St., NEW YORK.
Telephone 167 Madison Square.
OPEN AT 5 A. M. DAILY.

N. F. McCARTHY & CO.
Best Quality
CUT FLOWERS
and Supplies,
Tel. 734 and 64 Main. **84 Hawley St., BOSTON.**

N. Y. CUT FLOWER EXCHANGE
Coogan Bldg, 6th Ave. and W. 26th St., New York.
Open for Cut Flower Sales at 5 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.

The American Florist Company's
DIRECTORY
Contains the names and addresses of all the Florists, Seedsmen and Nurserymen in the United States and Canada. Price $2.00.
AMERICAN FLORIST CO.,
324 Dearborn Street, Chicago, U. S. A.

Wholesale Flower Markets

BOSTON, May 27.

Roses, Beauty, extra	12.00@15.00
" " medium	6.00@10.00
" " culls	2.00@ 4.00
" Queen of Edgeley	10.00@25.00
" Bride, Bridesmaid, Meteor	1.00@ 2.00
" extra	3.00@ 8.00
Sweet Peas	.25@ .60
Carnations	1.00@ 2.00
Lily of the valley	.50@ 2.00
Lilies	4.00@ 6.00
Callas	4.00@ 6.00
Adiantum	.75@ 1.00
Asparagus	50.00
Smilax	12.00@16.00

PHILADELPHIA, May 28.

Roses, Tea	6.00@ 7.00
" " extra	7.00@ 8.00
" Beauty, extra	20.00@25.00
" " firsts	10.00@15.00
" Queen of Edgely, extra	20.00@25.00
" " " firsts	10.00@15.00
Carnations	1.00@ 3.00
Lily of the valley	4.00@ 5.00
Asparagus	25.00@50.00
Smilax	15.00@20.00

BUFFALO, May 29.

Roses, Beauty	7.00@35.00
" Bride, Bridesmaid, Meteor	4.00@10.00
Carnations	1.00@ 3.00
Pæonias	3.00@ 5.00
Lily of the valley	3.00@ 4.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.50

Give Us a Trial. We Can Please You.

Roses, Carnations and all kinds of Seasonable Flowers in stock.
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481 Washington St., Buffalo, N. Y.
Dealer in Florists' Supplies and Wire Designs.
Open Day and Night.

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55 and 57 West 26th St.,
WHOLESALE FLORISTS,
Daily Reports. Weekly Payments.
TELEPHONES:
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J. A. MILLANG, MANAGER.

GEORGE SALTFORD,
Wholesale Commission Florist,
46 West 29th Street, NEW YORK.
Fair dealing and prompt returns guaranteed.
Correspondence solicited.

ROVATZOS & MOLTZ
Buy and Sell.... **FLOWERS** on Close Margin.
Headquarters, 56 West 26th Street,
WRITE, TELEGRAPH OR TELEPHONE. Opposite Cut Flower Exchange, NEW YORK CITY.

EUGENE BERNHEIMER
Wholesale Florist,
Phone 14260 A. 1604 Ludlow St., **Philadelphia.**
CONSIGNMENTS OF ROSES SOLICITED.

SHIPPING LABELS FOR ....Cut Flowers
Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....
ELECTRO OF THIS LEAF, POSTPAID, $1.25.
American Florist Co.,
CHICAGO.

FOR COMMENCEMENTS.
Paeonias. BEAUTIES. CARNATIONS. FERNS.
LEO. NIESSEN,
Philadelphia, Pa.

FOR SEASONABLE FLOWERS

SEND TO

JOHN I. RAYNOR, WHOLESALE COMMISSION FLORIST.

Telephone 1998 Madison Square — 49 W. 28th St., NEW YORK.

YOUNG & NUGENT

WHOLESALE FLORISTS 42 West 28th Street, NEW YORK,

Are shipping the finest Roses, Carnations, Valley, Orchids, Novelties, in the New York Market. ——Price List to Applicants.

TELEPHONE 2065 MADISON SQUARE.

Walter F. Sheridan,

Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Telephone Nos. 2239 and 2034 Madison Square.

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Wholesale Commission Florists,

55 and 57 West 26th St., NEW YORK CITY.

Adjoining New York Cut Flower Co. salesroom.
Finest Salesroom in the Trade. Inspection Invited.
All business, selling or shipping, strictly commission.

WHOLESALE WILLIAM GHORMLEY, COMMISSION

RECEIVER AND SHIPPER OF FRESH CUT FLOWERS. DAILY STOCK OF ALL THE CHOICEST VARIETIES FROM BEST GROWERS WHO SHIP TO NEW YORK.

ORCHIDS, ROSES, CARNATIONS, VALLEY.

Telephone 2200 Madison Square, 57 WEST 28th STREET, NEW YORK CITY.

JOHN YOUNG

Special American Beauties,
Surpassing Carnations,
Lily of the Valley, Orchids,
and all Seasonable Flowers.

51 West 28th St., NEW YORK.
Tel. 1905 Madison Sq.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR

Violets and Carnations

GROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER,
30 West 29th St., New York.
Telephone 551 Madison Square.

Frank Millang

Open from 5 a. m. to 5. p. m.

Cut Flower Exchange, 56 W. 26th Street,
Phone 299 Madison Square. NEW YORK.

ESTABLISHED 1872.

JOHN J. PERKINS,

COMMISSION FLORIST,

Solicits Consignments or Shipping Orders. Satisfaction given in both.

Write for Terms. 115 West 30th St., New York.

POPULAR WITH THE TRADE.
Therefore a profitable place to send your Flowers.

M. A. HART'S,

48 West 30th St., New York City.
Telephone 325 Madison Square.

Choice Carnations. Selected Roses.

Traendly & Schenck

NEW YORK CITY,

38 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

NEW YORK, May 27.

Roses, Beauty, select	10.00@16.00
" " medium	5.00@ 8.00
" " culls	.50@ 3.00
" Bride, Bridesmaid	2.00@ 6.00
" Liberty	2.00@10.00
" Meteor, Golden Gate	2.00@ 5.00
" All kinds, job lots	.50@ 1.00
Carnations	.50@ 3.00
Lily of the valley	.50@ 1.00
Callas, Lilies	3.00@ 6.00
Peonias	2.00@ 5.00
Sweet Peas	.25@ .50
Cattleyas	20.00@30.00
Mignonette	.50@ 1.00
Smilax	8.00@12.00
Adiantum	.50@ .75
Asparagus	35.00@50.00
" Sprengeri, per doz. bun.	2.00@ 3.00
Lilac, per bunch	.20@ .50

CHAS. MILLANG,

50 W. 29th St.,

NEW YORK.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

FORD BROS.

Receivers and Shippers of

FRESH FLOWERS,

111 West 30th St., NEW YORK.
Telephone 157 Madison Square.

Julius Lang

53 West 30th Street, NEW YORK.

REPRESENTS THE BEST GROWERS OF

ROSES, CARNATIONS, VALLEY.

TELEPHONE 280 MADISON SQUARE.

ALEX. J. GUTTMAN,

Wholesale Commission Florist,

A full supply daily of the choicest New York and New Jersey

FLOWERS.

52 W. 29th Street, NEW YORK CITY.
Telephone 1738 Madison Square.

A. H. LANGJAHR,

Wholesale Commission Florist,

BEST FLOWERS SHIPPED AT LOWEST NEW YORK PRICES.

19 Boerum Place, Brooklyn, N. Y.
TELEPHONE 939 MAIN.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.
Our Store, 906 Grand Ave., KANSAS CITY, MO.
☞ LONG DISTANCE 'PHONE AT EITHER PLACE.

EDW. C. HORAN,

47 WEST 28TH ST.,

Tel. 421 Madison Square, ...NEW YORK.

CUT FLOWERS AT WHOLESALE.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

J. E. NORTHRUP, Pres.; S. F. LEONARD, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

Twentieth annual convention, Minneapolis, Minn., June 24-26, 1902.

VISITED CHICAGO: Mr. Lilly, of Lilly, Bogardus & Co., Seattle, Wash.

THE Plant Seed Co., of St. Louis, put four salesmen on the road in the south and southwest this week.

F. H. HENRY, of Henry & Lee, New York, expects to leave for Bermuda June 7. We are sorry to learn that Mr. Henry is now restricted to two meals per diem.

THEODORE PAYNE, for many years in charge of the seed department of the Germain Seed and Plant Company, Los Angeles, Cal., has become manager for the firm, succeeding H. Zander, who resigned to engage in other business.

NEBRASKA growers report stronger demand than usual for the following varieties of vine seeds: Long Green, Arlington White Spine and Extra Long Giant cucumbers; Rocky Ford, Paul Rose, Defender and Emerald Gem muskmelons; Kleckle Sweets, Alabama Sweet, Holbert Honey, Sweet Heart and Iceberg watermelons; Mammoth pumpkin; Hubbard, Golden Hubbard and Golden Bronze squash.

Salzer Seed Company Sued.

The John A. Salzer Seed Company, of LaCrosse, Wis., is party to a $5,000 suit in New York city, involving the question of duty on Thousand Headed kale seed. The company imported a carload from Germany and when it reached New York the United States customs officers demanded $5,000 duty. The company defends on the ground that the seed is not a vegetable but is to be used as fodder and so no duty should be charged.

Labor Shortage in California.

The seed growers of California are face to face with a labor problem. Chinese labor is practically out of the market and the usual figure of the Japanese has advanced twenty-five to forty per cent, many of them going to Alaska to work in the canneries. There is no other help available on the coast, and with the large fruit crop to gather, it will be almost impossible to secure help to harvest the seed crops.

Seed Firms of Rochester.

Regarding a rumor of consolidation among the various Rochester, N. Y., seed firms, the *Post Express* of that city prints the following, quoting W. J. Mandeville:

"There has never been even any thought of consolidating the interests which our firm represents, with those represented by Mr. Hathaway, nor will any such consolidation be effected. The fact of the matter is that as individuals Mr. King and myself own a controlling interest in James Vick's Sons' business and recently we also purchased the plant, franchises, business and good will of the Cleveland Seed Company. These two businesses, as well as our own, will continue to run entirely independent of each other. The reason for this is perfectly obvious. The Mandeville & King Company does a commission business, James Vick's Sons a catalogue business and the Cleveland Seed Company a jobbing business. These three lines are distinct from each other and as distinctive businesses can be run more profitably than if they were all consolidated.

"Moreover, I want emphatically to deny the false and damaging assertion that the name of Vick will disappear from the seed history of this city. It will always be retained so far as we have anything to do with it. It would be the height of business folly for us to throw away an honorable name and reputation that has taken years and millions of dollars to build up."

Investigation of Government Seed Purchases.

Representative Fitzgerald, of New York, on May 12, introduced in the house a resolution calling on the Secretary of Agriculture for a statement of everything relating to his purchase and distribution of all government seeds for the years 1898-99, 1900-01 and 1902, including all contracts, papers and correspondence relating to the same; price, character, kind, quality, and amount of seeds, the reason why any payments for seeds are withheld, all evidence taken, and correspondence relating to his withholding payments, and all information in his possession in regard to the failure of the several contractors to perform their several contracts, also the reason why an investigation is now being or has lately been held in regard to the subject, and all papers and correspondence leading up to the matter. The resolution was referred to the committee on agriculture.

According to a report around the capitol, Secretary Wilson has been making a quiet investigation into the method and manner in which seeds have been supplied to the department by the contractors. Representative Fitzgerald having heard of it wants all the correspondence published.

Cincinnati.

GOOD BUSINESS AND A MARKET FOR MORE FIRST GRADE MATERIAL.—RECEIPTS ARE LARGELY OF POOR STOCK.—HAIL INFLICTS MUCH DAMAGE TO THE GROWERS.—CLUB ELECTION.—NOTES.

Trade is keeping up first rate and more first-class stock could be disposed of. The bulk of flowers received are second and third grade and the demand is for good stock. George & Allan will be right in it with Lilium longiflorum for Memorial day, having several thousand to cut, which sell readily at $8 per hundred. Gus Meier is sending in a nice lot of Brides and Bridesmaids. The retailers all report a good trade, with funeral work predominating. Pæonias and irises are pretty well done for.

Last Saturday a severe hail storm struck Murphyville, doing considerable damage. Will Murphy, C. C. Murphy, Edw. Murphy and Mrs. Robt. Murphy all sustained considerable loss. Altogether about 10,000 feet of glass was broken. Will Murphy also had four houses blown down in the storm of last week and his loss will be the greatest.

There is considerable building going on now. The question arises, "when is it going to stop?" To hear the growers talk, they are never making any money, but they still continue putting up new houses and rebuilding the old ones.

Don't forget the meeting and election of officers of the Cincinnati Florists' Society June 14, and don't fail to climb up the stairs and vote. D.

Florists' Calendar FOR JUNE.

	100	1000
ASPARAGUS PLUMOSUS NANUS.....	$ .85	$7.50

CINERARIA HYBRIDA max. grandi., pkt., 500 seeds, 25c; 5 pkts., $1 00.
CINERARIA HYBRIDA nana, dwarf grandi., pkt. 500 seeds, 25c; 5 pkts., $1.00.
CALCEOLARIA HYBRIDA grandi., max. or nana, dwarf grandi., either pkt., 500 seeds, 25c; 5 pkts., $1 00.
CALCEOLARIA, SHRUBBY, RUGOSA, pkt. 25c.
FERN SPORES, finest sorts mixed, pkt. 25c.
PRIMULA SINENSIS FIMBRIATA, the finest ENGLISH STRAINS in pure white, Chiswick red, Kermesina rose, blood red, Cerulea True Blue, each 100 seeds, 25c; in 1000 lots, $1.75. All colors mixed, 100 seeds, 20c; 1000 seeds, $1.50.
FRESH PANDANUS UTILIS SEED, 100, $1; 1000, $8.50.
FRESH ARECA LUTESCENS SEED, 100, 75c; 1000, $5.00.

Bargains to Close Out.

A few hundred lbs. of CYCAS STEMS, ½ to 10 lbs., 100 $6.00.
AMARYLLIS HYBRIDS, white ground, rose or red stripes, enormous flowers, doz., $1.75; 100, $12. Can never be duplicated at this price.

Address **H. H. BERGER & CO.,** Established 1878. 47 Barclay St., NEW YORK CITY.

ESTABLISHED 1802

THORBURN'S SEEDS

CYCAS REVOLUTA STEMS.

We have just received a large shipment in assorted sizes from 3 to 12 pounds (most of them 8 or 10 pounds) which we offer at 10c per pound. Special price on large quantities.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

Bulbs, Bulbs

Narcissus and Daffodils, Specialties.

Orders booked now for fall delivery.
PRICES LOW.
Send for catalogue and price list.

American Bulb Growers' Co.
PETERSBURG, VIRGINIA.

FALL BULBS

Tulips, Hyacinths, Narcissus, Lilies. You can save money by placing order now. Send us your list; we will make bottom prices.

James Vick's Sons, Rochester, N. Y.

ASPARAGUS Decumbens, new crop now ready, our own growing, 100 seeds, $1.25; 500 seeds, $5.00; 1000 seeds, $8.50.
ASPARAGUS PLUMOSUS, 2½-in. pot plants; $5.00 per 100; 3-in. pots, $8.00 per 100.
I. N. KRAMER & SON, CEDAR RAPIDS, IA.
Please mention the American Florist when writing.

PAEONIAS

and all other cut flower stock for

School Closings and June Weddings

All stock billed at market rates day of shipment.

KENNICOTT BROS. COMPANY

Wholesale Commission Florists,

42 and 44 E. Randolph St., CHICAGO.

Cut Carnations!

$2.00 to $3.00 per 100 to take effect May 26th.

Chicago Carnation Co., Joliet, Ill.

FAXON'S "WHITE HOUSE" PANSIES.

The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.

In Trade Packets at $1.00 each.

M. B. FAXON,

Lock Box 1528. BOSTON, MASS.

Correspondence solicited.

CANNAS 3 and 4-inch.

HENDERSON, CLEVELAND, CROZY, etc., ...$4.00 per hundred.

MOONVINE, 4-inch, staked, $6.00 per hundred.

JAMES FROST,

Lake County. GREENVILLE, OHIO.

Please mention the American Florist when writing.

PANSY PLANTS IN BLOOM.

Transplanted, strong, stocky, in the very finest varieties and colors that money can buy, $15.00 per 1000. Put up in baskets containing one dozen, 20 cts. **DAISIES, Double White** and **Longfellow,** same price. Also bedding plants.

LUDWIG MOSBAEK,

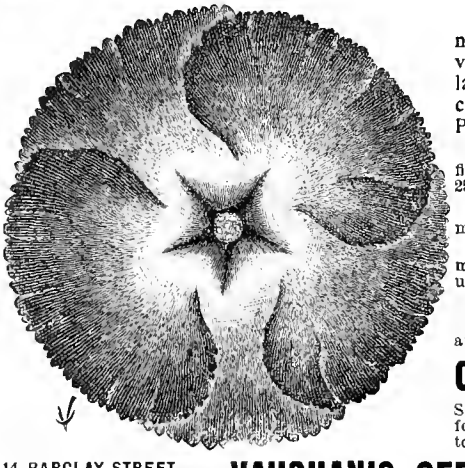
85th St., near South Chicago Ave., Chicago.

FERNS. Mixed varieties, strong stock and good assortment, in 2-inch pots. $3.50 per 100; $30.00 per 1000.

BEARD BROS., West Fort Street, ...DETROIT, MICH.

Please mention the American Florist when writing.

VAUGHAN'S International Primula



Unquestionably the best mixture of Chinese Primroses. It contains the largest variety of the best selling colors. Flowers large, beautifully fringed, borne in large clusters well above the rich green leaves. Pkt., (250 seeds), 50c; 5 pkt., (1250 s.), $2 00.

CHINESE PRIMULA, Chiswick red; Alba Magnifica, white; blue, pink, striped. Each, per pkt. of 250 seeds, 50c; 1000 seeds, $1.75.

DOUBLE CHINESE PRIMULA, white, pink, red or mixed, per pkt., 50c.

CINERARIA VAUGHAN'S COLUMBIAN MIXTURE. A mixture of the best English and German strains, unsurpassed. Pkt. (1000 seeds) 50c; 3 pkts., $1.25.

CALCEOLARIA HYBRIDA, choicest mixture, pkt. 50c.

10 PER CENT discount on flower seed orders amounting to $2.00 and over for **CASH WITH ORDER.**

OTHER SEASONABLE SEEDS

Such as Cyclamen, Pansies, Perennials. Send for our midsummer list of bulbs, etc. Sent free to florists on request.

14 BARCLAY STREET, NEW YORK. **VAUGHAN'S SEED STORE,** 84 & 86 RANDOLPH ST. CHICAGO.

ONION SETS—NO MORE OF THEM.

Sow my Hardy White Onion.

SEND FOR CIRCULAR.

BEAULIEU, the Pansy Man, WOODHAVEN, N. Y.

Please mention the American Florist when writing.

TELEGRAPH CODE

OF THE

AM. SEED TRADE ASSOCIATION

$2.00,

In either stiff or flexible cover. ADDRESS ORDERS TO

AMERICAN FLORIST CO., CHICAGO.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
R. C. BERCKMANS, Pres.; R. J. COE, Vice-Pres.
GEORGE C. SEAGER, Rochester, N. Y., Sec'y.
Twenty-seventh annual convention, Milwaukee, Wis., June 11-13, 1902.

ONE well-known writer on trees and shrubs says that the whiffletree is the only one reliably hardy.

THE new arboretum at Springfield, Mass., the gift of Dwight O. Gilmour, is to be located in Forest Park.

THE city of North Adams, Mass., is to have a very pretty little park on the site of the old Fort Massachusetts, one of the important historic spots of the state.

IT is said that Haverhill, Mass., is to have the finest children's park in New England, mainly through the hard work and philanthropy of City Forester Frost.

THE management of Crowswood Nurseries, of Hopkinsville, Ky., formerly of Casky, Ky., desires it to be known that Wm. F. Snyder is not an employe of that firm.

GOVERNOR'S ISLAND, the site of Fort Winthrop in Boston Harbor, is to be given by the government to the city of Boston as a recreation ground. The island contains an area of about seventy-two acres.

THE summer meeting of the Missouri State Horticultural Society at Eldon, June 10–12, would attract many western nurserymen did the date not conflict with that of the convention of the American Association of Nurserymen at Milwaukee.

CITY FORESTER CHAS. GREENWOOD, of Worcester, Mass., has set out 400 each rock and Norway maples along the public streets this season, rock maple being selected for the high and dry situations and Norway for low or moist places.

R. ULRICH, who had charge of the landscape work for the Pan-American Exposition, has prepared a plan for the improvement of the 50-acre tract upon which Indiana University is located at Bloomington, Ind. The plan will be executed by degrees in the next few years.

THE annual report of Theodore Wirth, superintendent of the department of public parks of Hartford, Conn., for the year ending April 30, 1902, shows that steady progress in improving the many beautiful reservations has been made and that the people take full advantage of their splendid opportunities. The total amount spent for pay rolls for the year was $49,533.02.

San Francisco.

SUCCESSFUL EXHIBITION OF STATE FLORAL SOCIETY.—FEW GROWERS PARTICIPATE.—GOOD STOCK AND NOVELTIES SHOWN.—BUSINESS BRACES UP AFTER A PERIOD OF DEPRESSION.—HORTICULTURAL SOCIETY MEETS AND ACCEPTS AN INVITATION.—PERSONAL AND TRADE DOINGS.

The eighteenth annual spring exhibition of the State Floral Society was quite a success, at least as far as wild flowers are concerned, but considerably behind other shows held by the same society owing to the withdrawal of the growers and the lateness of the show. With the exception of John H. Sievers no other grower of cut flowers exhibited. This exhibit was the best, as usual, and some wonders in carnation seedlings were shown. Mrs. Whitelaw Reid, a sport of Hannah Hobart, deep pink, and the Hobart itself, are worth a trip from New York to San Francisco to see. Besides his carnations he had a table with named pelargoniums and was given a gold medal. P. Thiesen, of the Golden Gate Nursery, in Berkeley, exhibited a seedling rose and a climbing sport from Caroline Testout, flowers and leaves exactly like it but throwing up shoots from five to ten feet and very near a Lamarque, only stronger. A. Carboni and Robt. Ford, gardeners for D. O. Mills, made a very nice exhibit of Adiantum Farleyense, A. cuneatum, Beauties and carnations. The Cox Seed Company made a very fine display of decorative plants. The Vawter Carnation Company, of Ocean Park, showed some outdoor grown carnations, the size being Portia and small Scotts, with all their side buds, and would not find a sale in this city. Domoto Brothers showed a collection of dwarf Japanese trees and Pelicano & Company had their usual fine exhibit of cut flowers and palms.

Business for the past three weeks has been very poor. With an occasional bright day considerable stock has gone begging and prices were therefore very low, but in the last few days there has been a stiffening up of business and prices all along the line, very likely owing to the approach of Decoration day, for which more flowers are sold here than for any other day in the year. White and scarlet carnations are scarce, as the spring crop is off with almost all the growers, but of pink and variegated any amount are to be had. Roses are not so plentiful but some good stock is to be seen. Several of the largest rose growers have already begun to throw out the old stock and replant. Lilies are good and bring $2.50 per dozen stalks. Sweet peas experienced the quickest and biggest drop in prices they ever had two weeks ago, when they went down from $2.50 per dozen bunches to 50 cents, but have recovered somewhat since.

Fick & Faber are undoubtedly bringing in the longest-stemmed carnations on record. It is a seedling now in its fourth year, of very fine pink color, averaging three inches, the stems erect and between three and four feet long. Its name is Miss Louise Faber. Their white seedling, Purity, is better now than ever and commands the top prices for white. It will be sent out the coming spring. All other stock is looking well at their place in San Mateo.

At a recent meeting of the Pacific Coast Horticultural Society six new members were admitted and five proposed. Additional cash prizes were offered for the August show, which will be held in the Ferry building. An invitation of I. Rock was accepted for the next meeting. Mr. Rock has the largest nurseries near San Francisco, some 600 acres planted with shrubs and trees and general nursery stock.

Thomas Stevenson is preparing for a trip to England, where he will don his kneebreeches and do homage to King Edward. He will sail on Saturday. We all hope he may regain his lost strength and enjoy his short stay.

Gustave Gagne is erecting a greenhouse 20x100 and a two-story dwelling for his increasing family and business.

John Berry now has hold of Pottet's place and is working like a beaver to get things in shape to suit him.

Edw. Schwerin has taken unto himself a bride and the couple are in Texas for a short honeymoon.

Goertzhain, of Redwood City has lost his first crop of sweet peas through heavy frost. GOLDEN GATE.

CAMBRIDGE, MASS.—H. E. Whiting, superintendent of public parks, has sent in his resignation and will go into business.

FARMINGTON, ILL.—Isaac Cook has bought Mrs. Heaton's greenhouse and stock, for removal to his property. Mrs. Cook will assist him in pushing the business.

Import Freight Agents Delaware, Lackawanna & Western Railroad Co. at New York, N. Y.
ENERGY. ECONOMY. DISPATCH.
F. B. VANDEGRIFT & CO.,
Publishers of Vandegrift's United States Tariff.
Customs Brokers and Forwarders. Foreign Express, Export and Insurance Brokers.
NEW YORK Office, 66 Beaver Street Telephone, 928 Broad. | A. B. C. Code Used Cable Address, Vangrift. | CHICAGO Office, 315 Dearborn St. Phone, Harrison 840.

RHODODEDRONS....
500 Clumps of Rhododendron Maximum, 6 to 8 ft. high, at $25 a doz. Prices of smaller clumps and Kalmias on application.....
L. F. KINNEY, Kingston, R. I.

CLEMATIS Large Flowering, leading kinds, strong 2-year plants from 4-inch pots in 12 sorts. $2.00 per doz.; $16.00 per 100. 25 at 100 rate.
Choice Hardy Monthly ROSES in twelve (12) kinds, $1.50 per doz., $10.00 per 100.
ADIANTUM, (Maiden Hair Ferns), strong clumps, $5.00 per 100; 75c per doz.
F. A. BALLER, Bloomington, Ill.
Please mention the American Florist when writing.

B. W. DIRKEN,
Oudenbosch, Holland.
ORNAMENTAL AND FOREST TREES A SPECIALTY.
Conifers, Evergreens, Hollies, Etc.
Prices on Application.

Park Architects and Dealers
will find whatever they want in the
Holland Nurseries, De Bilt near Utrecht
HOLLAND.
SPECIALTIES ARE: Conifers. Evergreens, Hardy Shrubs, Lilacs, Ornamental Trees, Fruit Trees in different forms, Azaleas, Rhododendron Ponticum and Hybridum.
Please send list of your wants and write for general catalogue. We will make you special offers. Write to
GROENEWEGEN & ZOON,
De Bilt, near Utrecht, Holland.

LAUREL HILL Nurseries, F. BRUNTON Manager.
Importers and growers of Choice Hardy Perennials. Native Trees, Shrubs, Specimen Evergreens. We grow large quantities of Iris, Paeonias, Tritomas, Phlox, Delphiniums; stock is perfectly hardy, true to name. Send for Special Catalogue of New Hardy Alpine Iris, now in the press. STOCKBRIDGE, MASS., U. S. A.

Specialties for School Closings and June Weddings.

Baskets, Ribbons, Silk Cords, Cycas Wreaths, Cycas Leaves and Cut Flowers

OF ALL KINDS. BUY OF HEADQUARTERS.

McKellar & Winterson Co.

45-47-49 Wabash Ave., Chicago.

NEW CROP DAGGER FERNS Now ready, $1.50 per 1000. They are extra choice; a sample lot will convince you they are the best in the market.

BOUQUET GREEN, 5c per lb.

BRONZE and GREEN GALAX, A1 quality, 75c per 1000. Discount on large orders. Send for samples of our **LAUREL WREATHS** for Memorial Day. Just what you want. We send out the finest Laurel Festooning in the market; fresh made, 4c, 5c, and 6c per yard. Discount on large quantities. Send us your orders for Memorial Day early and they'll be promptly filled with the Best

Millington, Mass.
Tel. office, New Salem.

Please mention the American Florist when writing.

FUMIGATION METHODS

By PROF. W. G. JOHNSON

Formerly State Entomologist of Maryland

A Practical Treatise and timely work on cheap and effective means of destroying insect pests and other vermin in various places. This work is the outcome of practical tests made by the author, together with the experiences of others, and is one of the most important books published this season and is much needed at this time. It will be of particular interest to

FRUIT GROWERS AND NURSERYMEN owing to the widespread prevalence of the notorious San Jose scale. Hydrocyanic acid gas is the only practical remedy for the destruction of this pest and is being used more extensively than ever before by nurserymen and fruit growers. The perfection of the apparatus for fumigating young orchard trees is outlined in this work. The methods can be easily applied in orchards and nurseries for many dangerous pests at very small cost. The writer is considered the best authority on this subject in this country and has left nothing undone to make this the most complete work of the kind ever published.

GARDENERS AND FLORISTS have found that vegetables and flowers cannot be grown under glass without frequent fumigation for the destruction of insect pests. Hydrocyanic acid gas has solved this problem. The methods of procedure are fully described and every detail is given for generating and applying the gas.

MILLERS AND GRAIN DEALERS have been looking forward to the publication of this work, as hydrocyanic acid gas has been found one of the most important materials for clearing mills and warehouses of insects. The subject of carbon bisulphide for fumigating mills and elevators containing grain in storage is also thoroughly considered. To this trade the work is indispensable and transportation companies have found it of great value for the fumigation of cars, ships and other inclosures infested with vermin.

FARMERS OF THE COUNTRY have here fully described a simple, easy remedy for gophers, prairie dogs, squirrels and other animals in the ground, and rats and mice in any inclosure.

COLLEGE AND STATION WORKERS will find it an up-to-date reference work on this subject. It is complete in every respect and is the only work of the kind ever published. It is written in a popular non-technical style, profusely illustrated, handsomely bound, covering 250 pages, price, postpaid, $1.00.

AMERICAN FLORIST CO.
324 Dearborn St. CHICAGO, ILL.

Seasonable Stock.

	Per 100
GERANIUMS—2-inch pots strong, including Mars, Hubert Charron, S. A. Nutt, Marvel, Mme. Landry, Mme. Charotte, Duc d' Montmart, La Favorite, and Countess de Castiers	$3.00
BEGONIA REX—Best varieties, in 2½-inch and 3-inch pots	5.00
PELARGONIUMS — Latest novelties	10.00
FEVERFEW (Matricaria)	2.50
PHALARIS—Arundinacea Var., for bordering canna beds	4 00
NEPHROLEPIS Cordifolia—3-in. pots	4.00
CANNAS—3-inch pots, Pierson's Premier, Mme. Crozy, Chas. Henderson, Florence Vaughan and Queen Charlotte	5.00
ANEMONE Japonica — 2-inch pots, just right for planting out, Queen Charlotte, Japonica Alba and Lady Ardilaun	4 00
Elegantissima	6 00
Mont Rose and Rose Superba doz.	1.00

NATHAN SMITH & SON,
ADRIAN, MICH.

JOSEPH HEACOCK,

Wyncote, Pa., Grower of

Palms and Am. Beauty Roses.

ASTER Plants

Semple's Branching and Queen of the Market, in white, pink, blue and red, fine plants, grown from the finest seed saved by myself, at $2.50 per 1000; 40c per 100.

J. C. SCHMIDT, BRISTOL, PA.

SPECIALTIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery,
CHRYSANTHEMUMS,
SMILAX, VIOLETS.

In Best Varieties

Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.

New Crop DAGGER FERNS

Are now ready, A No. 1 quality, $1.50 per 1000.

BOUQUET GREEN
Princess Pine, 6c per lb.

BRONZE AND GREEN GALAX,
5000 lots, 75c per 1000.

LEUCOTHOE SPRAYS
75 cents per 100.

LAUREL FESTOONING
4c, 5c and 6c per yard. LAUREL WREATHS, to order, any size.

BOSTON, May 3rd, 1902.

We would respectfully inform the trade that our new crop of Dagger Ferns is now ready and they are A No. 1 quality. We carry a full assortment of Florists' Hardy Supplies as follows: Bronze and Green Galax, Hardy Cut and Fancy Ferns, Bouquet Green, Laurel Festooning, Laurel Wreaths, Bundle Laurel, etc.

P. S.—Extra choice Dagger Ferns, $2.00 per 1000. Satisfaction guaranteed and quick delivery. Order them now and avoid disappointment and the rush. Long distance telephone, 2618 Main.

HENRY M. ROBINSON & CO.
32-34-36 COURT SQ., BOSTON, MASS.

GALAX Bronze or green, 75c per 1000, in 2 00 lots or over; single 1000, $1.00. Fern, Fancy, $2.50 per 1000; Fern, Dagger, $1 50 per 1000. Leucothoe Sprays, bronze and green, assorted sizes, $1 per 100. Green sheet moss, $2.50 per bbl. bag.

L. J. KRESHOVER,
110-112 W. 27th Street, NEW YORK CITY.
Telephone call, 597 Madison Square.
HARRY A. BUNYARD, Mgr.

ROOTED CUTTINGS

Estelle, $5.00; Lawson, $4.00; Marquis and Elm City, $2.00; Crocker and Lord, $1.00 per 100. Other varieties on application.

DANA R. HERRON, OLEAN, N. Y.

BEGONIA GLOIRE DE LORRAINE,

2¼-inch pots, $15.00 per 100.

Write for prices on large lots. Stock guaranteed absolutely free from disease.

THOMAS ROLAND, Nahant, Mass.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our howling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 79 Milk St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At New York.

The following is the record of the three games bowled last Monday, May 26:

Player	1st	2d	3d
Hafner	194	181	202
Siebrecht	191	157	154
Lang	181	184	189
Bunyard	123	133	146

At Jamestown, N. Y.

The silver cup has fallen to the rose growers, for they were 255 pins to the good at the conclusion of the series of games rolled during the past three months. The employes of the Lakeview Rose Gardens held a very successful ball on the evening of May 29.

At Philadelphia.

The annual contest is beginning to loom up and from the account of scores noticed as the weeks fly by we will have to "get a hump on" if we shall retain our present championship title. President Westcott had best get his committee together and determine who shall comprise the team or select some method looking to the formation of one that shall be a credit to the club. Bowling goes on merrily and many good scores are being recorded. The most complete record is kept of each game bowled; in fact, every game is recorded and an average made up each month for the benefit of the members. An exciting match was bowled last Thursday by the "Friday-nighters" and the first team. The Mackerels had Geo. Moss and "Jack" Dunham, of the first team, but, although they put up a good game, they could not pull out winners and were defeated by seventy-four pins. The score follows:

FLORISTS	1st	2d	3d	T'l
Mooney	189	151	145	494
Allen	179	137	144	460
Starr	139	176	145	460
Moore	119	153	193	465
Johnson	163	156	190	509
Team totals	798	773	817	2388

FRIDAY-NIGHTERS	1st	2d	3d	T'l
Moss	177	172	193	452
Dunham	154	189	148	491
Eimerman	115	126	160	401
Adelberger	143	149	169	481
Archer	131	146	142	419
Team totals	720	782	812	2314

K.

Utica, N. Y.

BUSY SEASON FOR THE GROWERS.—PLANTING OUT AT ITS HEIGHT.—BUSINESS GOOD EVERYWHERE.—MUCH BUILDING AND REMODELING IN PROGRESS.—GOOD STOCK THE RULE.—WHAT THE GROWERS ARE DOING.

The planting season is well under way and hustle, in all that this term implies, is the order of the day. Utica is rather tardy so far as favorable spring weather is concerned. Only two weeks ago frost made its re-appearance, leaving the imprint of its icy embrace upon the young carnation plants in the field; not enough, however, to cause irreparable damage. Business has never been better, as may be inferred from the fact of the additional houses that are being built and the general overhauling and remodeling of places which is everywhere going on.

Wm. Pfeifer is regarded as one of the most successful carnation growers in this section. A glance at his stock certainly bears out this opinion, especially the Marquis and Lawson. Prosperity also seems to be grown on a prosperous basis at his place. Queen Louise is without a doubt the leading white. Mr. Pfeifer's right hand man, Wm. Kaufler, takes a great interest in the place, the result being high grade stock and in paying quantity.

J. C. Spencer, as usual, has things about his establishment in an attractive, up-to-date way. He is a stannch believer in the trite, though ever true saying, that "whatever is worth doing at all is worth doing well." His general stock, as a consequence, looks thrifty, healthy and well grown. Mr. Spencer has a scarlet carnation seedling which bids fair to rank among the best.

Wm. Mathews, of orchid fame, has no complaint whatever to register. His orchids, as usual, show up fine and pay well. His general stock is likewise in the pink of condition. Mr. Mathews contemplates rebuilding two orchid houses, and while at it will give his other houses some overhauling.

Peter Crowe is at it tooth and nail, building an additional range of rose houses to his already extensive place. As a rose grower Mr. Crowe's reputation is well established and, having dispensed with his retail store, he will give his entire attention to roses for the wholesale market.

Dr. A. W. Rowlands is building two additional rose houses, each 20x100. Dr. Rowlands' experience as a florist has been in no wise disappointing. His two carnation houses, built a year ago at Whitestown, a suburb of Utica, are remunerative, the stock being of high grade.

F. E. Shaw intends growing carnations on a larger scale than heretofore. While enjoying a fine retail trade, Mr. Shaw finds it profitable to grow for the wholesale market as well. His carnations invariably find a brisk demand at good prices. His general stock looks equally well.

Frank J. Baker, alderman, fern man, carnationist, rosarian and all-around good grower and good fellow, has in course of construction two additional fern houses, each 28x100. Nine houses, each 18x150, are given to roses and carnations.

Chas. F. Seitzer, the veteran, reports a good all-around trade with plenty of stock to meet demands. He lost his only son, a young man in the twenties, shortly after New Year and, I am sure, has the sincere sympathy of every man in the craft.

NOMIS.

WALLA WALLA, WASH.—The Phillips Floral Company, formerly C. W. Phillips, is building a 100-foot carnation house and making other important improvements in the plant.

FALL RIVER, MASS.—Charles Smith, former superintendent of Oak Grove Cemetery, has been appointed general superintendent of the park system and a contract has been closed with Olmsted Brothers for the planning and supervision of work of park improvement for a period of three years. Work was started on May 19.

NOTICE

To the Trade of the United States and Canada.

Moved

From UITGEEST to LISSE, HOLLAND,

H. Zijp & Co.

Bulb Growers and Nurserymen.

Carnations, Geraniums Cannas, Etc. Prices quoted upon application.

The Cottage Gardens, Queens, L. I.

....AN....

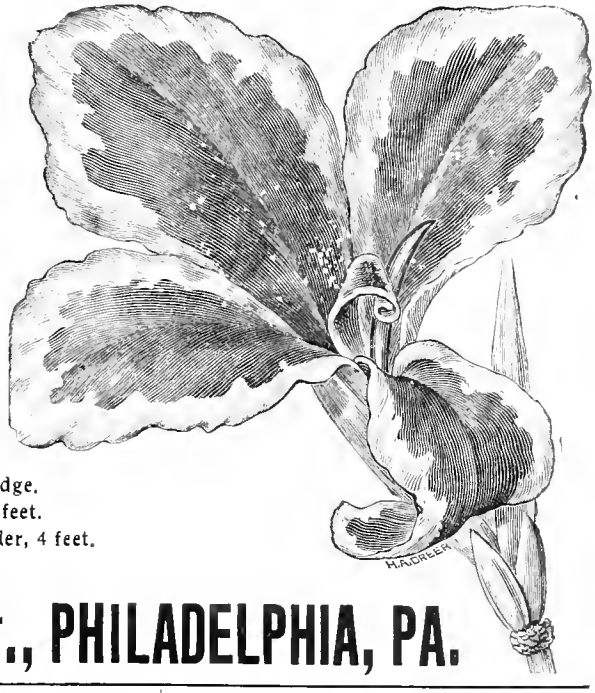
Indispensable Adjunct

TO a successful wholesale business is an up-to-date, accurate, complete Trade Directory. Such a book, 418 pages, containing the name and address of every florist, nurseryman and seedsman in America, new list of private gardeners and horticultural supply concerns and much other information will be mailed from this office on receipt of $2.

AMERICAN FLORIST CO.

324 Dearborn St., CHICAGO, ILL.

DREER'S
OFFER OF CANNAS



The following varieties can be supplied in strong plants from 3-inch pots, well established, for quick effect, $5.00 per 100; $40.00 per 1000.

ALSACE, sulphur changing to white, 4½ feet.
BRONZE SEEDLING, rich bronze foliage, currant red flowers, one of the best dark-leaved varieties, 4½ feet.
LURAY, pleasing deep rosy pink, 4 feet.
MME. CROZY, standard gilt edge, red, 4 feet.
MLLE. BERAT, the best pink bedder, 4 feet.
ROBERT CHRISTIE, bright orange red, fine, 4½ feet.
SOUV. de ANTOINE CROZY, intense scarlet crimson, rich golden yellow edge.
SOUV. du PRESIDENT CARNOT, vermilion scarlet with bronze foliage, 6 feet.
SOUV. de MME. LEONIE VIENNOT, carmine with yellow edge, a fine bedder, 4 feet.
WILHELM BOFINGER, rich scarlet overlaid orange, very bright, 5 feet.

HENRY A. DREER, 714 Chestnut St., PHILADELPHIA, PA.

Orchids!

Arrived in fine condition: Cattleya labiata, C. Skinneri, C. Dowiana, Oncidium varicosum Rogersii and Peristeria elata; also a fine lot of Anthurium Scherzerianum. Write for our illustrated, descriptive catalogue of orchids. Special list of freshly imported unestablished Orchids, just ready. Write for a copy.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

Nasturtiums.

mostly Empress of India and other fine sorts, from 4-inch pots; bushy, beautifully in bloom, only $1.00 per 100.

SMITH'S HYBRID MOONVINES,
2½-inch pots, $5 per 100. Cash with order please.

GODFREY ASCHMANN,
(Rising Sun.) 1012 Ontario St., PHILADELPHIA, PA.

WANTED....

One or Two Pairs each of

Oleander and Scarlet Hibiscus

Specimen plants. Give full particulars (with photo. if possible.)

VAUGHAN'S SEED STORE, Chicago.

THE COMING FERN IS MY NEW NEPHROLEPIS

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DELIVERY IN SEPTEMBER.

Orders booked now at $25 per 100 for small plants. Larger plants, prices on application.

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Commencing Sunday, June 1st, the night express train on the Nickel Plate Road will leave Chicago 9:15 p. m., instead of 11:20 p. m. as formerly. No change in time of other trains. Through service to Ft. Wayne, Cleveland, Erie, Buffalo, New York City, Boston and New England points. Vestibuled sleeping cars. American Club Meals, from 35c to $1.00, served in Nickel Plate dining-cars; also a la carte service. City ticket office, 111 Adams St. Chicago depot, Harrison St. and 5th Ave.

Special rates during June and July to eastern points. Write John Y. Calahan, General Agent, 111 Adams St., Chicago, for particulars. 14

Giant Cactus,

4 to 5 feet high, 10 to 14 inches in diameter. Grand specimens of these sensational decorative plants.

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Asparagus
PLUMOSUS
NANUS....

From flats, $2.50 per 100; $20.00 per 1000. 25 at 100 rates; 250 at 1000 rates, prepaid. CASH.

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IVORY AND BONNAFFON
CHRYSANTHEMUMS.

Plants from 2-inch pots, $2.00 per 100; $18.00 per 1000. Ready for immediate delivery.

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PHILADELPHIA, PA.
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Surplus Stock at a BARGAIN

300 Areca Lutescens, 3-in. pots, at $6 00 per 100.
150 Areca Lutescens, 6-in. pots, at 50c each.
100 Kentia Bel. and Forst., 5-in. pots, 30c each.
600 Kentia Belmoreana, 3-in. pots, at $10 per 100.
1500 Kentia Forsteriana, 3-in. pots, at $10 per 100.
1000 Kentia Forsteriana, from boxes, strong, at $8 00 per 100.
700 Kentia Belmoreana, from boxes, strong, at $8 00 per 100.
1000 Latanias, 3-inch pots, at $5.00 per 100.
50 Pandanus Utilis, 6-in. pots, at 50c each.
75 Pandanus Utilis, 5-in. pots, at 30c each.
30 Ficus Elastica, fine, 8-in. pots, 5 to 6 feet, at $1.25 each.
50 Ficus Elastica, fine, 8-in. pots, 4 ft., 75c each.
2500 Asparagus Sprengeri, 3-in. pots, $3.00 per 100.

WALKER & McLEAN, YOUNGSTOWN, OHIO.

'Mums

Standard Varieties

WHITE	YELLOW	PINK
Fitzwygram	Maj Bonnaffon	Glory of Pacific
White Ivory	Rieman	Pink Ivory
Mayflower	Yellow Mayflower	Viviand-Morel

Mrs. Jerome Jones—rooted cuttings, $1.50 per 100. From 2½-inch pots, $2.50 per 100.

Monrovia, earliest yellow, White Bonnaffon, Lavender Queen, Col. Appleton, yellow — Rooted Cuttings, $2.50 per 100. From 2½-inch pots, $4 per 100.

Timothy Eaton, white, E. D. Smith, yellow, Mrs. W. B. Chamberlain, pink — Rooted Cuttings $3 per 100. From 2½-in. pots, $4.50

AMERICAN BEAUTY ROSES from 2½ and 3-inch pots, for $40 and $60 per 1000.

George Harrer, Morton Grove, Ill.

SPECIAL DECORATION DAY RATES

over the Nickel Plate Road, at one fare for the round-trip, within a radius of 150 miles from starting point. Tickets on sale May 29th and 30th, good returning from destination to and including May 31st, 1902. Three through daily trains in each direction Chicago, Cleveland, Buffalo, New York, Boston and New England points. Every facility offered for the comfort of the traveling public. Fast time and low rates. Meals in dining cars on a la carte plan. For particulars, write or call on John Y. Calahan, General Agent, 111 Adams St., Chicago, Phone Central 2057. 6

GERANIUMS Several thousand **S. A. Nutt,** fine plants from 4-inch pots, in bud and bloom, $6.00 per 100. Cash or satisfactory reference.

J. J. ARNOLD, Homer, N. Y.

Milwaukee.

LARGE CALL FOR PERENNIALS AND SHRUBBERY FOR SPRING. — EASTERN STOCK SLOW TO ARRIVE AND LOCAL FIRM PREPARES TO MEET DEMAND NEXT SEASON.—NOTES OF VARIOUS DOINGS IN THE TRADE.

The demand for shrubbery and perennials has been a marked feature of the spring trade. Our local landscape men have been overtaxed, partly because the demand has been beyond the most sanguine expectations. Having no well equipped local nursery, drafts upon eastern establishments have always been necessary and this season orders have been filled slowly, much of the stock arriving in bad condition. This is especially true of perennials wrapped in paper, which were badly mildewed before arrival, particularly divided clumps. The Holton & Hunkel Company has made preparations to supply dealers promptly with all they may require of this sort of stock in fall and spring seasons. This is an enterprise in which none of our western commission houses has as yet embarked. Holton & Hunkel are also handling palms and ferns, having leased the Whitnall greenhouse plant on Humboldt avenue, a portion of which is to be rebuilt and extensive additions made, to be completed by August 1. Among the working force one sees the familiar countenance of Wm. G. Schucht.

A new establishment has been opened in the center of the fashionable trading portion of the city, 115 Wisconsin street, under name of the Ellis Floral Company, taking its name from Wm. H. Ellis, late of Ellis & Pollworth.

The C. C. Pollworth Company's rose houses are still turning out good stock under Mr. Kennedy's management.

C. B. Whitnall will devote his time entirely to landscape work now that the greenhouse plant has been leased.

Nic Zweifle is adding one more span to his carnation plant. C. B. W.

WATERTOWN, CONN.—H. A. Roeske, who has bought the Violet Valley Greenhouses of his brother, Otto Roeske, is adding a new house 20x150 feet. The old range embraced 7,000 square feet of glass and three acres of land.

Cannas, Roses, Palms, Etc.

CANNAS. Strong, 3-in. pot plants, unless noted at $4 00 per 100.
Florence Vaughan, Italia,
Queen Charlotte, Pres. Cleveland,
J. D. Cabos, Sophia Buchner,
Egandale, Burbank,
Duke of Marlborough, Alsace,
Robert Christie.
Martha Washington, at $6.00 per 100.

ROSES. A general assortment of Ever-blooming varieties, strong, 2-inch and 2½-inch pots, $2.50 per 100; $20.00 per 1000.

GERANIUMS. S. A. Nutt, Mme. Barney, Richelieu, La Favorite, John Doyle, Mme. Charles Molin and Beaute Poitevine, $30.00 per 1000.

	Per 100
Marquis de Castellane	$6.00

Set of 4 New Beaucts for 60c.
Set of 8 New Doubles for $1.50.
In good assortment, our choice of varieties, $27.50 per 1000.

	Per 100
PRIMULA FORBESI	$3.00
HELIOTROPES	2.00
SELAGINELLA Emmeliana	2.00
FUCHSIAS, in good assortment of varieties, 2½-in. pots	2.50
BEGONIAS—Vernon and Vulcan	2.50
LANTANAS in variety	2 50

PALMS.

Areca Lutescens, 2½-in. pots, $30.00 per 1000	4.00
Areca Lutescens, 3-in. pots	8.00
Areca Lutescens, 4-in. pots., 3 plants in a pot	20.00
Kentia Belmoreana, 2½-in. pots	7 00
Kentia Belmoreana, 3-in. pots	15.00
Latania Borbonica, 2½-in. pots	3.00
Latania Borbonica, 3-in. pot, $40 per 1000	5 00
Pandanus Utilis, 2½-in. pots	5.00
Pandanus Utilis, 4-in. pots	15.00
Pandanus Veitchii, 4-in. pots, $6.00 per doz.	

The Storrs & Harrison Co.

PAINESVILLE, OHIO.

Geraniums, Petunias, Asters.

GERANIUMS We are still offering the following Superb varieties, extra strong rooted cuttings, which will make salable 2½-in. stock in short notice, labeled and true to name, $1 50 per 100; $14.00 per 1000: S. A. Nutt (best crimson bedder), E. G. Hill F. Perkins, Beaute Poitevine, Mme. Bruant, Duchess of Orleans, Thos. Meehan, Alphonse Riccard, L. P. Morton, Athlete, J. J. Harrison, E. Kelway, Mme. Jaulin.

DOUBLE FRINGED PETUNIAS Ten novelties, mostly light colors, labeled, fine plants in bud and bloom, from 2½-in. pots, $2.00 per 100; $18.00 per 1000. Same varieties from 2¼-in. pots, $1.75 per 100; $15.00 per 1000. Rooted cuttings, $1 per 100; $8 per 1000.

ASTERS Giant Comet, colors white, pink, blue or crimson. Plants from 2½-in. pots, $1.25 per 100; $12.00 per 1000. Cash with order.

THE W. T. BUCKLEY PLANT CO., SPRINGFIELD, ILL.

Wittboldii Ferns....

A rare chance to get stock of this fine fern cheap. 2½-in. $5, 3-in. $8, 5-in. $20 per 100. Bench plants, good for 2½-in. $3, 3-in. $5, 4-in. $6, 6-in. $25 a 100.

	Per 100
ALTERNANTHERA, pot plants, red, yellow, pink	$2 00
RUSSELIA Multiflora and Elegantissima, 2½-in.	3 00
BOSTON FERNS, 3-in.	$8 00
VINCA Major, strong	3 00
GERANIUMS, 6 vars.	3 00
COLEUS, 10 vars.	2 00

CASH PLEASE.

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Violet Plants

WELL ESTABLISHED		Per 100	1000
IMPERIAL	2¼-inch	$2.75	$25.00
MARIE LOUISE	"	2.75	25 00
FARQUHAR	"	2.75	25.00
SWANLEY WHITE	"	2.75	25 00
CAMPBELL	"	2.50	22.50

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GRAND RAPIDS, MICHIGAN.

A NEW BOOK

"How to Make Money GROWING VIOLETS"

by George Saltford, 30 years' practical experience. PRICE, 25 and 50 cents, postpaid—Money order preferred. **VIOLET CULTURE CO.,**
61 Quincy Street, BROOKLYN, N. Y.

..Violet Plants..

Ready for immediate shipment.

Imperial	$2.75 per 100	$25.00 per 1000
Swanley White	2.75 per 100	25 00 per 1000
M. Louise	2.75 per 100	25.00 per 1000
Lady Campbell	2.50 per 100	22.50 per 1000

Crabb & Hunter, Grand Rapids, Mich.

BEDDING Plants.

	Per 100	Per 1000
Roses, Brides and Maids, 2-in.	$2.00	$18.00
Dracæna Indivisa, 5-in.	10.00	
Heliotrope, 2-in.	2.00	18.00
Lobelia, C. P. C. and White Gem, 2-in.	1.50	
Salvia Bonfire, 2-in.	2.00	18.00
Smilax, from flats, 25c; by mail	.30	
Asters, best strains, strong transplanted	.50	
Asparagus Plumosus Nanus, 2-in.	3.00	
Vincas, 2-in.	1.50	
Centaurea Gymnocarpa and C. Candidissima, 2-in.	2.00	

CASH OR C. O. D.

McALLISTER & CO., Batavia, Ill.

GERANIUMS All the best varieties, extra fine plants. S. A. Nutt, Marvel, Grant, F. Perkins, Mme. Jaulin, La Favorite, Hill, etc., 4-inch in bud or bloom, $5.00 per 100. **PANSIES,** extra fine plants from cold frame, now in bud, $1.00 per 100; $8.00 per 1000. **DOUBLE DAISIES,** large plants, 75c per 100; $5.00 per 1000. **ASPARAGUS SPRENGERI,** seedlings from flats ready for potting, $1.00 per 100. **Hill Top Greenhouses, 15-16 Gray Ave., Utica, N. Y.**

IMPERIAL VIOLETS.

Fine, strong plants, from 2-in. rose pots, $2 50 per hundred; $22.50 per thousand.

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KALAMAZOO, MICH.

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2 cts. ROSES. 2 cts.

To close out for cash. Strong plants from 2½-inch pots, in the following varieties:

Archduke Charles	Media
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Climbing Wootton	Mrs. Robert Garrett
Climbing Meteor	Mme. Cecile Berthod
Dr. Grill	Papa Gontier
Devoniensis	Pink Soupert
Duchess de Brabant	President Carnot
Folkestone	Princess Venosa
F. Kruger	Queen's Scarlet
Golden Gate	Reine Marie Henriette
Geo. Bancroft	Snowflake
Kaiserin	Souvenir de Wootton
La Princess Vera	Striped La France
Mme. Lambard	Sylph
Mme. Camille	Selfaterre
Marie Guillot	The Queen
Mme. Jos. Schwartz	Tri de Pernet Pere
Maman Cochet	Victor Hugo
Mrs. Degraw	White La France
Meteor	

PRICE, $2.00 per 100. Not less than five of a kind. All stock guaranteed true to name. Packing free and always done in light and thorough manner.

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ROSE PLANTS

Well Established Plants from 2 1-2-inch pots.

	Per 100	Per 1000
BRIDE	$3 00	$25.00
BRIDESMAID	3.00	25.00
PERLE	3 00	25.00
GOLDEN GATE	3.00	25 00
METEOR	3.00	25.00

All plants sold under express condition that if not satisfactory when received they are to be returned immediately, when money will be refunded.

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51 Wabash Avenue, CHICAGO.

ROSE PLANTS

2½-inch Rose plants, fully as good as any we have ever sent out:

METEOR, $2.50 per 100; $20.00 per 1000.
MAIDS, 3.00 per 100; 25.00 per 1000.

J. A. BUDLONG,
37-39 Randolph St. CHICAGO.

BARGAINS in Chrysanthemums and Fuchsias, named varieties, at $2.50 per 100.

Allamanda Williamsii	$4 00 per 100
Acalypha Sanderii	3.00 per 100
Russelia Elegantissima	3.00 per 100
Vinca Variegata	4.00 per 100

All good 2½-inch plants.

The Conard & Jones Co, West Grove, Pa.

Ready July 1

ASPARAGUS PLUMOSUS, 4-inch at $7.50 per 100; 3-inch at $5.00 per 100; $40.00 per 1000.
SMILAX, 2-inch at $1.50 per 100; $12.50 per 1000.
BONE MEAL, best for Florists' use at $3.50 per 200 lb. bag.

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GOOD CLEAN STOCK, WELL ESTABLISHED.

Brides, Bridesmaids, Meteors and Golden Gates,

2-in. rose pots, $30 per 1000; 3-in. rose pots, $45 per 1000; 4-in. rose pots, $60 per 1000.

CHRYSANTHEMUM ROOTED CUTTINGS.... TIMOTHY EATON, $3 per 100.

Greenhouses, HINSDALE, ILL. **BASSETT & WASHBURN,** Store, 76 Wabash Ave., CHICAGO.

The Sensational New Rose for 1902.

MRS. OLIVER AMES.

For description, prices, etc., see Trade List.

$100.00 IS OFFERED IN PRIZES for Cut Flowers of this Rose at Madison Square Show next fall.

Extra fine plants of the grand pillar rose **CRIMSON RAMBLER**, from $2.00 to $6.00 per dozen, according to size and age. Also all the **STANDARD** forcing roses in variety, now ready for shipment.

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NEW CARNATIONS.

Cresbrook and Fair Maid, strong, from soil, $1.50 per doz.; $10.00 per 100; $75.00 per 1000.

CHRYSANTHEMUMS

Fine strong plants from 2½-inch pots, ready now. Our selection, all good standard sorts, $20.00 per 1000. We have many other varieties than here listed. Send for complete list. Price per 100:

T. Eaton	$4.00	R. Halliday	$4.00
Nellie Pockett	8.00	Major Bonnaffon	3.00
Lady Roberts	8.00	Philadelphia	5.00
Mrs. E. D. Smith	6.00	Pennsylvania	5.00
Golden Beauty	8.00	Modesto	3.00
Mrs. Chamberlain	8.00	Nagoya	3 00
Mme. F. Bergmann	3.00	M. de Montmort	3.00
Willowbrook	3.00	Glory of the Pacific	3.00
Merry Monarch	3 00	Lady Harriett	6.00
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Rose Plants

Strong plants from 2½-inch pots, choice stock in every particular.

	Per 100	Per 1000
BRIDE	3.00	25.00
BRIDESMAID	3.00	25.00
METEOR	3.00	25.00
GOLDEN GATE	3.00	25.00
PERLE	3.00	25.00

GEO. REINBERG,
51 Wabash Ave., Chicago.

All The Best CARNATIONS

FORTY VARIETIES, nearly all from soil. Send for prices on what you need.

GEO. HANCOCK & SON,
GRAND HAVEN, MICH.

Please mention the American Florist when writing.

PERLES.

"The finest I ever bought anywhere," was the expression used by a prominent grower, this week.

Write about them, or any other Roses you may want, to

GEO. A. KUHL, PEKIN, ILL.

Carnation Floriana.

We believe this to be the best pink carnation introduced to date, was disseminated in the spring of 1901 by originators, Messrs. Fillow & Banks. Price, $6 per 100; $50 per 1000. 50 at 100 rate, 500 at 1000 rate. Less than 50, 8c each.

Dailledouze Bros., Carnation and Chrysthemum Specialists,
FLATBUSH, BROOKLYN, N. Y.

20,000 Chrysanthemums,

Ready to ship.

	Per 100
Timothy Eaton, 2½-inch	$3.00
Kate Broomhead, Appleton, 2½-inch	2.50
Viviand-Morel, Maud Dean, Bonnaffon, Ivory, Trainor Park, 2½-inch	2 00
Cuttings at one-half above prices.	
Stevia, rooted cuttings	1.00
Ceraniums, good bedders, mixed, 2½-in. pots	2.50
Asters, transplanted, ready for field	.75

COOLIDGE BROS., South Sudbury, Mass.

Please mention the American Florist when writing.

PALMS.

HOME-GROWN, FINE, CLEAN STOCK; GROWN COOL.

Write for Price List. **J. B. HEISS,**
The Exotic Nurseries, DAYTON, OHIO.

1,000 VINCA MAJOR VAR.

Long tops and several shoots, 3-inch pots, $5.00 per 100; 2½-inch $3.00 per 100.

5,000 CANNAS, Austria, Burbank, dormant $2.00 per 100; Paul Bruant, fine red, $3.00 per 100; Alsace, white, $4.00 per 100; Robusta, bronze, $2.50 per 100. All Colors $1.50 per 100. Assorted Geraniums, 4-in. $5.00 per 100. Santolina Incana, $8 per 1000. Cash please. **BENJ. CONNELL, West Grove, Pa.**

Please mention the American Florist when writing.

Washington.

TRADE ACTIVE BECAUSE OF MANY PUBLIC AND SOCIAL EVENTS.—NOTABLE FUNERAL CALLS FOR USE OF MANY FLOWERS.——STOCK PLENTIFUL BUT NONE TOO GOOD.—VARIOUS NOTES.

Trade is brightening up a little with the weather, which is getting quite warm, with a much needed rain, the ground being so dry that it keeps back spring planting very much. Everybody is making preparations for Memorial day. Funeral work still takes the lead, but the school commencements will come in for a share for the next few weeks. Roses in general are plentiful and fine, especially American Beauties. Carnations are very good, but outdoor stock is so plentiful that it keeps down the prices. The pæonias are coming in full tilt. The American Rose Company and J. Louis Loose are making fine shows at their stores with them.

A. Gude & Brother had the decoration of the French warship Goulois at Annapolis, May 23, using about 300 American Beauty and 1,000 other roses, pæonias and Harrisii. They also had the decoration for the dinner Friday night given by Ambassador Cambon, and made a large wreath of leucothoe which was placed at the Lafayette statue, and another placed on Washington's tomb.

The large barn of the American Rose Company was totally destroyed by fire on May 21, together with their two fine delivery wagons, harnesses and about $600 worth of hay and corn. Luckily the nine horses were saved. Loss $3,500; insurance $800.

The American Rose Company supplied Ivory rose for the Rochambeau dinner at the White House, May 23, also 2,000 Crane carnations which they obtained from Pennock, of Philadelphia.

J. H. Small & Sons made a very large wreath for the Daughters of the American Revolution, used at the dedication of the Rochambeau monument.

The obsequies of Lord Pauncefote created a demand for a great deal of funeral work of the finest sort.

Geo. Leissler had a fine lot of longiflorum lilies just right for Memorial day.

P. G.

MADISON, N. J.—At the monthly meeting of the Morris County Gardeners' and Florists' Society, on May 14, State Entomologist Smith talked on insect pests and was listened to with much interest. The schedule of premiums for the fall exhibition was reported as ready for distribution. A goodly number of visitors were present.

ELECTROS...

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WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO.,
.....324 Dearborn St., CHICAGO.

AMERICAN BEAUTY 3-inch $7 per 100.
ALLEN & OCKERLUND,
114 Winona Ave., Sta. Ravenswood, Chicago.

Hardy and Tender Water Lilies

NELUMBIUMS, VICTORIAS.

We have the most complete collection of Aquatic plants in the world. It embraces all the American and French hybrids and native and foreign species. For prices see Spring Edition of Dreer's Wholesale List, which is sent to the trade only.

If uncertain what to plant, write us what your facilities are and we shall be pleased to assist you with practical suggestions.

HENRY A. DREER
714 Chestnut St., Philadelphia.

Bedding Geraniums

White Swan (double white), Mrs. Gaar (single white), Jacquerie (scarlet), Mrs. Francis Perkins (double pink), at $6.00 per 100, out of 4-inch—fine stocky plants. Jean Viaud, the best pink, 5-inch, very strong, $8.00 per 100. Dryden, the silver medal winner at Buffalo, $6.00 per 100.

Write us for prices on **CHRYSANTHEMUMS.**

CASH PLEASE.

HENRY EICHHOLZ, Waynesboro, Pa.

ROSES **BRIDES and MAIDS,** fine, 3-inch pots, $3.50 per 100.

Geraniums, 3 and 3½-inch pots—Double Grant, S. A. Nutt, Murkland and double deep pink at $5 per 100. The above varieties from 2¼-inch pots, $2.50 per 100. Assorted, 2½-in. pots, $2.50 per 100.

Alternanthera, (2 varieties), Golden Bedder and assorted Coleus, German Ivy and 3 varieties of Ageratum, 2-inch pots, $1.50 per 100. Rooted cuttings of Alternanthera and assorted Coleus, 55c per 100; $5.00 per 1000. Cash please.

R. I. HART & BRO., Hackettstown, N. J.

Geraniums

STANDARD VARIETIES, 3½-in. pots, $6.00 per 100; $50.00 per 1000.

CANNAS, standard varieties, 4-in. pots, $7.00 per 100; $60.00 per 1000.

EUGENE LEWIS, ELMIRA, N. Y.

Roses. From 5-in. pots at 9c, fine clean plants; Clothilde Soupert, Gen. Jacqueminot, Coquette des Blanches, La France, Malmaison, etc. Large-flowered **CLEMATIS**—The finest purple, white, lavender and red sorts; 2-year from 5-inch pots, 18c; fine 1-year, at 9c. Clematis Paniculata 2-year from 5-inch pots, 10c; extra from 6-inch pots 18c. **AMPELOPSIS VEITCHII**—From 4-inch pots, 8c; from 3-inch pots, 5c. Packing free for Cash.

W. H. SALTER, Rochester, N. Y.

Cannas.

Austria from 3-inch pots.....$3.00 per 100
Chas. Henderson, from 3-inch pots...$4.00 per 100

ALTERNANTHERAS. Strong rooted cuttings, red and yellow, 50c per 100; $4.00 per 1000.

DAVIS BROS., Morrison, Ill.

ROSES! ROSES!

Some nice 3-in. Golden Gate ready now at $5.00 per 100, and a few hundred 3-in. Beauties ready in two weeks at $10.00 per 100. It will be wise policy to engage this stock **now. Good Beauties** are scarce.

A few hundred 4-in. Geraniums, Heteranthe, at $8.00 per 100. **Cannas,** strong, $7.00 per 100. **Coleus,** $2.50 per 100

W. H. GULLETT & SONS, Lincoln, Ill.

American Florist Advts. Always Sell Stock.

Grafted Roses

LIBERTY 3 1-2-inch pots, $18.00 per 100.

BRIDESMAID, BRIDE, GOLDEN GATE, KAISERIN, 3½-inch pots, $15.00 per 100.

Our roses are grown with the greatest care and are fine bushy plants ready for immediate planting. We do not think better roses can be grown.

VERBENAS—Choice varieties in bud and bloom, 3-in. pots $3.00 per 100; 2½-in. pots $2.50 per 100; $20.00 per 1000.

GERANIUMS—Finest bedding varieties in bud and bloom, 3½-in. pots $6.00 per 100.

J. L. DILLON,
Bloomsburg, Pa.

The Art ...of Floral Arrangement

The only special newspaper in the world for floral arrangement.

200 ILLUSTRATIONS ANNUALLY.

Specimen number free.
Subscription, $2.40 yearly.

BINDEKUNST-VERLAG
J. OLBERTZ, ERFURT, GERMANY

AMERICAN FLORIST ADS ALWAYS DO BUSINESS

Week days and every day, Sundays and holidays,

ALL OVER THE COUNTRY AT HOME AND ABROAD.

SPECIAL TRADE LIST FOR THE MONTH OF JUNE.....

	Size of pots.	Per doz.	100
Asparagus Sprengeri	2	.25	$ 2.00
Ageratum, dark and light blue	3	.50	4.00
Aloysia citriodora, from	2½	.50	4.00
Bouvardias, single and double, white, pink and scarlet	2	.40	2.50
Bouvardia Humboldtii, jasmine flowering, sweet scented	2	.40	3.00
Clematis, large flowering varieties, strong plants		4.00	
Clematis Paniculata, strong plants	4	1.50	10.00
Clematis Paniculata, strong plants	3	.75	5.00
Cobæa Scandens	3	.50	4 00
Geraniums, best bedding varieties	3	.50	4 00
Geraniums, Mrs. Parker	2½	.75	5 00
Lobelias, Emperor William, Pumila splendens pure white	2½	.40	3 00
Lantana, Lemoine best dwarf var.	2½	.40	3.00
Petunia, double white	2½	.40	3.00
Umbrella Plants	3	.75	5.00
Salvia Splendens	3	.50	4.00
Verbenas, fine assortment	2½		3.00
Violets, the California, La France, Princess of Wales, Schoenbrun		.40	3.00
Aster Plants, Queen of the Market, Semple's Branching, separate colors			1.00
Chrysanthemums, best stand. var.	2½		3.00
Chrysanthemums, plants from soil			1.50
Chrysanthemums, rooted cuttings, from sand bed			1.00

SEND FOR LIST OF VARIETIES.

C. EISELE, 11th and Jefferson Sts., Philadelphia, Pa.

Boston Ferns.

Fine plants, $25 per 100.

DRACÆNA INDIVISA, 6-inch, $6.00; 7-inch, $7.00 per doz.; 2 ft. up, extra fine.

KENTIAS, 6-in., $75 and $100 per 100.

20,000 GERANIUMS, 3½ and 4-in., in bud and bloom, $7 per 100, upwards. Nutt, Jaulin, Poitevine, Mt. Snow, La Favorite, etc., etc., and new ones—Jean Viaud, Jacquerie, Thos. Meehan, etc., etc., straight kinds.

COLEUS, Verschaffeltii, Golden Bedder and mixed, 2-in., at $30 per 1000; 3-in., $40.

Alternanthera, 3 kinds, $15 per 1000.

L. H. Foster, 45 King St., Dorchester, Mass.

Shasta Daisy

THE LATEST FLORAL WONDER.

Plants 25c each; $2.50 per doz.; $15.00 per 100; $100.00 per 1000. 25 at 100 rate. 500 at 1,000 rate. 100 seeds, 50 cents.

CALIFORNIA CARNATION CO.
LOOMIS, CAL.

Rubber Plants.

Strong 3-in., $1.50 per doz.; $12.50 per 100.
Strong 5-in., 14 to 20 inches high and branched, $3.00 per doz.

LATANIA PALMS, 3-in., strong, $3 per 100.

BOSTON FERNS, 2½-in., $2.00 per 100.

HYDRANGEA OTAKSA, 4-inch, fine plants, $5.00 per 100.

All of the above are fine, strong, healthy plants and ready to shift.

CINCINNATI FLORAL CO.
2330 HARRISON AVE. CINCINNATI, O.

COLEUS Verschaffeltii, Yellow Queen, Golden Bedder, Klondyke, Black Prince and Mixed.

A lot of 3 and 4-inch Florence Vaughan and Mme. Crozy to be closed out cheap. Write **CANNAS**

GEO. A. KUHL, PEKIN, ILL.

The New White

That is Hard to Beat. Rooted Cuttings from flats, A No. 1, stuff. Per 100, $4.50; per 1000, $40.00.

CYCAS STEMS, $8.00 PER 100 LBS.

ASPARAGUS PLUMOSUS NANUS.

Fine bushy stock in large quantity.

	Doz.	100	1000
5-inch pots	$4.00	$30.00	
4-inch pots	2.00	15.00	
3-inch pots	1.00	8.00	$70.00
2½-inch pots	.60	5.00	40.00

HIBISCUS PEACHBLOW.

2½-in., $3.00 per 100. Strong 3-in., $5.00 per 100.

PHŒNIX CANARIENSIS.

Fine bushy plants, 8-inch pots, 36 inches high, each, $2.50; dozen, $24.00.

BOSTON FERNS.

In pans, grown the way you like them, full, bushy, compact stock, ready for your counter trade.

	Each	Doz.	100
12-inch pans	$4.00	$40.00	
10-inch pans	3.00	30.00	
9-inch pans	2.00	20.00	
8-inch pans	1.50	15.00	
7-inch pans	1.00	10.00	
5-inch pans	.50	5.00	$40.00
4-inch pots		2.50	20.00
3-inch pots		1.50	10.00
2½-inch pots		.60	5.00

Started Plants of Cannas,

a full line of all the leaders. Write for prices.

BAY TREES.

Large shipment just received.
Write for sizes and prices.

VAUGHAN'S SEED STORE,

GREENHOUSES:
WESTERN SPRINGS, ILL.

84 & 86 Randolph Street, CHICAGO.
14 Barclay Street, NEW YORK.

ARECA LUTESCENS, per doz.—2½-inch, 75c; 3 $1; 3½, $2; 4, $3.
KENTIA BELMOREANA, doz.—2½-in., $1.50; 3, $2; 3½, $3; 4, $3.60.
KENTIA FORSTERIANA, per doz.—2½-in., $1.50; 3-in., $2; 3½-in., $3; 4-in., $4.
LATANIA BORBONICA, per doz.—2½-in., 60c; 3-in., $1; 6-in., $7.20; 7-in., $10; 8-in., strong, $18.
PANDANUS VEITCHII, per doz.—5-in., $12; 6-in., $18; 7, $30; 8, $42.
NEPHROLEPIS BOSTONIENSIS, per 100—2-in., $4; 3-in., $8. Per doz.—5-in., $3; 7-in., $9; 8-in., $12; 9-in., $18; 10-in., $24.
ASPARAGUS PLUMOSUS NANUS, 2-in., $4 per 100; 3 in., $8 per 100.
ASPARAGUS SPRENGERI, per 100—2-in., $3; 3-in., $8; 4-in., $12; 5-in., $15.
ARAUCARIA EXCELSA, 4-in., $6 per doz.
FERNS FOR DISHES, Etc., $3 per 100.
FERN BALLS, well furnished with leaves, $3 to $5 per doz.

The GEO. WITTBOLD CO.

1657 Buckingham Pl., Chicago.

CHRYSANTHEMUMS. Rooted Cuttings $1.00 per 100.

Omega, Yanariva, Glory of Pacific, Eugene Dailledouze, Yanoma, Helen Bloodgood, Montmort, Lincoln, Mrs. Jerome Jones, Ivory, Pink Ivory, Yellow Fellow, Queen, Niveus, Golden Hair, Goldmine, Golden Wedding, Autumn Glory, Alice Byron, Wanamaker, Harry Hurrell, Domination.

CASH WITH ORDER.

J. J. ARNOLD, Homer, N. Y.

CYCLAMEN

Persicum Splendens Giganteum. Finest strain in the world, in four true colors, well-grown plants, from 2½-inch pots, $4.00 per 100; $35.00 per 1000. Extra selected, $5.00 per 100; $40.00 per 1000. Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

Please mention the American Florist when writing.

FOR DECORATION DAY

the Nickel Plate Road will sell tickets at one fare for the round-trip within a radius of 150 miles from starting point, on May 29th and 30th, with return limit of May 31st. When going east, patronize the Nickel Plate Road. Vestibuled sleeping-cars on all trains and excellent a la carte dining-car service. For detailed, information address John Y. Calahan, General Agent, 111 Adams St., Chicago, 'Phone Central 2057. 7

Geraniums.

	Per 100
10 Varieties, my selection, 2½-in. pots,	$2.50
Cannas, 8 vars., 4-in. pots	10.00
Seedling Petunias, 2½-in. pots	3.00
Asparagus Sprengeri, June 15	2.00
" Plumosus, ready June 15	3.00
Smilax, ready June 15	1.50
Primroses, ready July 1st	2.00

CASH OR C. O. D.

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the American Florist when writing.

FOR SALE.

1800 Myrtle Plants

From 2½-inch pots, extra heavy stock, at **$3.00** per 100; **$25.00** per 1000. Rooted Cuttings from flats, **$1.50** per 100; 2½-inch size. Planted out now will make nice stock for Winter Trade.

Unknown parties cash with the order.

Chas. Schweigert, Niles Center, Ill.

Please mention the American Florist when writing.

Buffalo.

TRADE SHOWS LITTLE CHANGE.—WEATHER VARIABLE AND CEMETERY FLORISTS GETTING MOST OF MEMORIAL BUSINESS.—NOTES AND VISITORS.

Trade is about as last week, with a good demand for cheap stock. The weather has been very unsettled and the usual warning to customers not to fill lawn vases until after Memorial day, which is sometimes not appreciated, holds good. What promised to be a good demand for Memorial day was only a bubble and has bursted. It looks as if the places near the cemeteries will have the largest trade, excepting at the market, which is always crowded with buyers.

Two greenhouses near the entrance to Forest Lawn Cemetery will make things lively, but both handle good stock.

Palmer is making nice window displays and Anderson is well supplied with Beauties, which look fine at night.

Visitors: Geo. W. Goldner, New York; E. J. Fancourt, Philadelphia; J. M. Gasser, Cleveland. BISON.

Minneapolis.

LARGE DEMAND FOR BEDDING MATERIAL — BARGAIN SALES OF OUTDOOR VALLEY.—VARIOUS NOTES.

Last week the weather was warm and sultry and there was not a demand for cut flowers, but in bedding stock the call was heavy and the growers all report the largest portion of their plants already engaged and by Decoration day will be entirely cleaned out. Lily of the valley is a plentiful article in the cut flower market at present, it being outdoor grown and good clean stock. One dealer purchased a large quantity at $4 per thousand and had a special sale at 15 cents per dozen spikes.

The Elks' fair and carnival, which opens June 2 and continues until June 14, will cause a good demand for flowers and many of the florists have engaged booths for the display of their stock.

A. S. Swanson has had a beautiful display of gloxinias in his window.

C. F. R.

UTICA, N. Y.—George C. Boldt, florist at Heart Island, St. Lawrence river, reports a loss of $500 in the May frost.

PORTLAND, ORE.—Announcements are out for the wedding of Lillian, daughter of Louis G. Pfunder, and William Ellis Mitchell, June 18.

'MUMS! ROSES! SPECIAL!

Col. Appleton, 2½-inch, $20.00 per 1000; rooted cutting, $15.00 per 1000. Maj. Bonnaffon, 2½-in., $18.00 per 1000; rooted cuttings, $11.00 per 1000. Our selection in proper proportion of color, 2½-inch, $20 per 1000; rooted cuttings, $12.00 per 1000. 100,000 2½ and 3-inch Maids, Brides, Gates, Meteors, Perles and Beauties. 25,000 2½-inch Stevia and rooted cuttings, $20 and $12 per 1000. Printed price list furnished on application.

Poehlmann Bros. Co., Morton Grove and Chicago, Ill.

Fancy-Leaved CALADIUMS

and LARGE PALMS, Very Cheap.

Fancy-leaved Caladiums, from 2½-inch pots, mixed, in good colors, at $4.00 per 100. Very large PALMS at one-half their value.

Will exchange or buy water lifting apparatus, if in good condition. Please address

F. J. ULBRICHT, Lock Box 113, ANNISTON, ALA.

PÆONIAS!

ORDERS TAKEN NOW FOR SEPTEMBER SHIPMENT.....

J. F. ROSENFIELD, West Point, Neb.

Plant and Rooted Cutting List

NOW READY FOR SHIPMENT.

ROOTED CUTTINGS.

	Per 100
Coleus, Red Verschaffeltii	$ .75
Geraniums, Mme. Pollock	1.50
" Happy Thought	1.50
English Ivy	1.00
Heliotrope	.60
Chrysanthemums	1.25

POT PLANTS.

	Per 100
Pteris Tremula, 2¼-inch	$1.50
Pteris Tremula, 2½ inch	2.25
Pteris Tremula, 3-inch	4.00
Roses, Ulrich Brunner, 2½-inch	3.00
Hydrangea Otaksa, for growing on, 4-inch	5.00
Hydrangea Otaksa, " " 5-inch	7.00
Hydrangea Otaksa, " " 6-inch	10.00
Hydrangea Otaksa, " " 7-inch	15.00

CHRYSANTHEMUMS W. H. Lincoln, Jerome Jones, Golden Wedding, Philadelphia, Ivory, Thornden, Pres. Smith, Minnie Wanamaker, Louis Boehmer, Maud Dean, Viviand-Morel, Major Bonnaffon, G. W. Childs, Mme. Bergmann, Glory of Pacific, J. G. Whilldin. Rooted cuttings, grand stuff, $1.25 per 100; $10.00 per 1000.

☞ All the above sold on the positive guarantee of their being first-class, if not, your money at once refunded.

Having to rebuild our greenhouses this season the following stock is in our way at the start. If you want any speak quick: Asparagus Plumosus, 3-year, from bed, fine clumps, $18.00 per 100. Kentias, 2½-inch, very fine, $5.00 per 100. Roses—Ulrich Brunner and Paul Neyron, 2-year-old, from boxes, own roots, $8.00 per 100. Kentia Seedlings, from flats, 1-year, $3.50 per 100. Geranium Mrs. Pollock and Happy Thought, 1 and 2-year stock, plants from bench, $6.00 per 100. Callas, 4-year-old, $5.00 100. Steel Wire Stakes, galvanized, No. 8 wire, 3 feet, used one season, $5.50 per 1000.

JOHN IRVINE & SONS, Bay City, Mich.

125,000 ASTER PLANTS

Best florist's cut flower varieties; all transplanted. Strong plants, bushy roots; sure to please you.

ASTERS, Hohenzollern, pure white, delicate rose and red (Roemer's), last year novelty, grandest aster to date. Mammoth size, 7 inches across, double to center, resembling a large Japanese chrysanthemum, unsurpassed for cutting or bedding, plants branching, with strong stems 18 to 20 inches long, 70c per 100; $6.00 per 1000.

Queen of the Market, white, red, pink and mixed.

Florists' Upright Branching, outer petals recurved, center petals incurved, superb cut flower, pure white, daybreak pink, fiery scarlet and lavender.

Late Branching or Semple's, white, rose pink, lavender, red and mixed.

All the above are the best money makers for florists, strong, healthy plants, assorted to suit, 50c per 100; $4.00 per 1000. Express prepaid for cash with order.

DES MOINES PLANT CO.,

38th St., Des Moines, Iowa.

A FEW GOOD THINGS YOU WANT.

KENTIA BELMOREANA and FORSTERIANA, special price to reduce stock, 2½-in., 8c; 3-in., 15c; 4-in. 25c; 5-in., 50c; 6-in., $1.00. 3, 4, 5-in. **ARECA LUTESCENS**, 2 and 3 plants to a pot, same price. These are excellent lot of clean, cool grown plants.

BOSTON FERNS, 4c, 8c, 15c, 30c and 50c each.

DRACAENA INDIVISA, 3, 4, 5-in., 6c, 10c, 25c each.

GERANIUMS, 2-in., Bonnat, double and single Grant, La Favorite, S. A. Nutt, Atkinson, Salleroi, Poitevine, M. Barny, Kleber, John Doyle, Jaulin, Riccard, Mrs. E. G. Hill, Perkins. Per 100—2-in., $3.00; 3-in., $5.00.

ASPARAGUS SPRENGERI, 2-inch, $3.00 per 100; Plumosus, 3-inch, $8.00 per 100.

ENGLISH IVY, 2-in., $3.00; 3-in., $6.00 per 100. Verbena, Petunia, Smilax, Achyranthea, Lobelia, Coleus, Alternanthera, Tomato Plants, Campbell Violets, Aster, Ageratum, Heliotrope, Vinca Var., Giant Alyssum, Scarlet Sage Clara Bedman, 2-in., $2.00 per 100; 3-in., $4.00 to $5.00 per 100.

Send for wholesale lists. Cash or C. O. D.

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

Please mention the American Florist when writing.

BEGONIA GLOIRE DE LORRAINE,

Begonia Light Pink Lorraine,

For June and Later Delivery, $15.00 per 100; $140.00 per 1000.

Edwin Lonsdale, Wyndmoor, near Chestnut Hill, Pa.

ROBT. CRAIG & SON,

Roses, Palms

and Novelties in Decorative Plants,

Market and 49th Sts., Philadelphia, Pa.

Please mention the American Florist when writing.

NOW COMPLETE IN FOUR VOLUMES.

Cyclopedia of American Horticulture

Comprising suggestions for cultivation of horticultural plants, descriptions of the species of fruits, vegetables, flowers, and ornamental plants sold in the United States and Canada, together with geographical and biographical sketches

By L. H. BAILEY,

Professor of Horticulture in Cornell University,

Assisted by WILHELM MILLER, Ph. D., Associate Editor,

and many expert Cultivators and Botanists.

IN FOUR VOLUMES,

Cloth, $20. Half Morocco, $32.

Illustrated with 2800 original engravings. Cash with order.

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

TO MAKE ROOM I OFFER

150	Kentia Belmoreana, 2¼-in.	$5.00 per 100
400	" " 3-in.	10.00 per 100
200	" " 4-in., 2d size	15.00 per 100
100	Latania Borbonica, 3-in.	5.00 per 100
100	Pandanus Utilis, 2¼-in.	4.00 per 100
75	" " 3-in.	8.00 per 100
400	Selaginella Emmeliana, 2¼-in.	3.00 per 100

All healthy stock. Cash with order.

JOSEPH E. BONSALL, SALEM, OHIO.

Pansy Seed.

The Jennings Strain.

Will be ready July 1st. STOCK THE FINEST.

E. B. JENNINGS, Lock Box 254, Southport, Conn.

Grower of the Finest Pansies.

Please mention the American Florist when writing.

NEXT! HOW ABOUT GRADUATIONS?

School children by tens of thousands will graduate in June and every one will want a

COMMENCEMENT BASKET

We have them to suit all tastes and all pockets; new styles and fancy material. Put a collection of them on view and they will sell themselves. There are sure to be some

WEDDINGS IN JUNE

Write Us For List

and Low Prices of outfit to complete a Wedding Decoration in Modern Style.
YOUR CUSTOMERS WILL BACK YOU UP.

H. BAYERSDORFER & CO.,

Manufacturers of and Dealers in Florists' Supplies of Every Description.

Most Extensive Stock on the Continent. 50-56 N. 4th St., PHILADELPHIA, PA.

WHEN IN NEED OF

BOXES

Try our improved folding box, with superior white finish and improved corner lock.

Samples free on application. No charge for printing in 500 lots or over.

C. C. Pollworth Co., Milwaukee, Wis.

TIN FOIL

Plain, Fancy, Printed & Mounted,

Manufactured by

The Conley Foil Co.

521 to 541 West 25th St.,
NEW YORK.

Fresh Tobacco Stems.

Bales of 300 pounds, $1.50.

CASH WITH ORDER

W. C. BECKERT, Allegheny, Pa.

A. HERRMANN,

Cape Flowers, ALL COLORS;
Cycas Leaves, Metal Designs,
AND **All Florists' Supplies.**

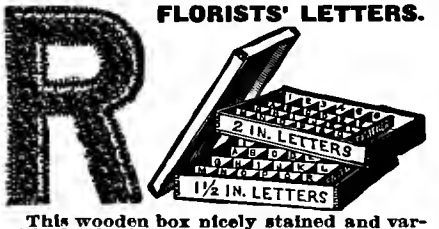
Send for Prices.

404-412 East 24th St., NEW YORK.

Please mention the American Florist when writing.

Boston Florist Letter Co.

MANUFACTURERS OF
FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1¼ or 2-inch size, per 100, $2.00.
Script Letters, $4. Fastener with each letter or word.

Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager,
84 Hawley St., BOSTON, MASS.

CHANGE OF TIME.

Commencing June 1st, night express train on the Nickel Plate Road will leave Chicago 9:15 p. m., instead of 11:20 p. m., as formerly. Other trains as heretofore. City ticket office, 111 Adams St., Chicago. Grand Central Depot, Chicago, Harrison St. and 5th Ave. 13

Always mention the American Florist when writing to advertisers.

TO KILL ALL

Greenhouse Bugs

USE

"NICOTICIDE"

Clean and harmless as **Fumigant** or **Spray.** Ask your seedsman for it or write to

The Tobacco Warehousing and Trading Co.,

1000 Magnolia Ave., - Louisville, Ky

HAIL!

FOR INSURANCE AGAINST DAMAGE BY HAIL, Address

John G. Esler, Sec'y F.H.A.
SADDLE RIVER, N. J.

St. Louis.

MARKET SHOWS VERY LITTLE CHANGE ALTHOUGH BOTH QUALITIES AND DEMAND IMPROVE SOMEWHAT.—NOTES OF DOINGS WITH THE GROWERS.—PLANT TRADE GOOD.

The market is in about the same condition this week as the two previous ones, although a little better stock is to be seen, and as high as $4 to $5 is obtained for the best roses and $1 to $1 50 for carnations. Some very good Beauties are being sent in and sell up to $2 50 per dozen. Pæonias have not lasted very long this season; they now bring $3 to $4 per hundred. Sweet peas are coming in plentifully, but qualities and prices are not high. White stock has been going quite lively of late and therefore the market is at least not glutted in this direction. Some cape jasmines are to be had cheap.

The Michel Plant and Bulb Company has had a very good season. Most of their chrysanthemums are planted and their stock plants all out. They have grouped most of their large stock plants into several large beds and they make a very fine show. They still have some very fine geraniums in stock, but think they will be sold without any trouble, at $1.50 per dozen retail.

The Eggling Floral Company reports a very good spring trade, being still very busy, with a large force at work all the time. They had the decoration for the banquet of the trustees of the Missouri Botanical Garden on May 17.

Fred. H. Weber has shaken the dust of St. Louis from his feet, having gone to Kansas City to take charge of Mr. Kellogg's wholesale and retail store.

R. J. M.

NEWPORT, KY.—John Freis & Son, of the Highlands, has done the bedding work on the courthouse grounds in fine shape.

SPRINGFIELD, MASS.—George Reynolds, formerly of Sackett & Reynolds, one of the oldest landscape gardeners in Springfield, died on May 16, aged 79 years.

CUT FLOWER BOXES

WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable, handy. To try them once is to use them always

DON'T USE OLD STORE BOXES.

If you have any doubt, send for samples, which speak for themselves.

Size No. 1.	3x4½x16..	$1.75 per 100;	$15.00 per 1000
" No. 2.	3x6x18....	2.00 "	18.00 "
" No. 3.	4x8x18 ...	2.40 "	22.00 "
" No. 4.	3x6x20....	2.75 "	25.00 "
" No. 5.	4x8x22....	3 00 "	28.00 "
" No. 6.	4x8x28....	3.75 "	35.00 "

THE LIVINGSTON SEED CO.
Box 103, COLUMBUS, O.

ROSE LICE

RED SPIDER AND MILDEW
ON ROSE BUSHES PREVENTED BY
SULPHO-TOBACCO SOAP.
(PATENTED.)
A Valuable, Inexpensive Insecticide.
A trial sufficient to prove its exterminating qualities. Write for special offer to Florists. Sample cake, enough for 1 1-2 gallons easily prepared solution, for 10 cents.
LARKIN SOAP CO., Buffalo, N. Y.

KILLED

Now Come June Weddings and School Commencements. Are you prepared for same? Look over your stock, and send us your orders. We can promptly fill them from our LARGE STOCK OF UP-TO-DATE SUPPLIES. We give exceptionally good value in all lines. Catalogue for the asking.

Leading Florists' Supply House.

M. RICE & CO., Importers and Manufacturers
918 Filbert St., Philadelphia, Pa.

OUR NEW FOLDING
Cut Flower Box
IS A PERFECT GEM. SEND FOR SAMPLE.
HOLTON & HUNKEL CO.
MILWAUKEE, WIS.

"BLACK DEATH" (POWDER) TO EAT THEREOF IS TO DIE.
BUG KILLER and FERTILIZER. Three years of unprecedented success wherever introduced all over the United States has proved "BLACK DEATH" to be a cheap and absolute annihilator of all insects, bugs or beetles that prey on vegetation, foliage and flowers. See what Peter Reioberg said in this paper, Feb. 8. Other strong indorsements sent on receipt of postal card.
Western Sales Agency, 235 Franklin St., Chicago.
HANDLED BY SEEDSMEN. S. D. STRYKER, Agent.

NIKOTEEN
IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE
DOES NOT INJURE THE MOST SENSITIVE PLANTS - ENDORSED BY PROMINENT FLORISTS - USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT - 200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN - - - - CIRCULAR FREE -
SKABCURA DIP CO. CHICAGO.
Kill AND SAVE the THE BLOOMS Bugs!
QUICKLY DOES IT.

RIPPLEY'S
IMPROVED 1902
COMPRESSED AIR SPRAYERS
have fine Vermorel Spray Nozzle; made of heavy copper and galvanized steel; has safety valve. Strongly riveted and double seamed. Guaranteed to be as represented and to be the strongest sprayer manufactured. Fine for spraying young orchards. Trees 25 feet high by using extension pole. Exterminating insects from vegetables spraying gardens, washing buggies. Fine for white-washing buildings, etc. Made in two sizes, 4 and 6 gallons. 4 Gal. Galv., $5; 4 Gal. copper, $7. Fine brass pump fitted on outside. Solution easily agitated. We also sell large orchard sprayers. 6 Gal. Galvanized, $5.50, 6 Gal. Copper, $8.00. Send to-day for our Sprayer and Breeder Supply Catalog. Agents Wanted.
Rippley Hdw. Co., Box 19, Gratton, Ill.

REED & KELLER,
122 & 119 W. 25th St., NEW YORK, N. Y.
MANUFACTURERS OF
FLORISTS' WIRE DESIGNS.
IMPORTERS AND DEALERS IN FLORISTS' SUPPLIES.
Galax Leaves and all Decorative Greens.

Sigmund Geller
Importer and Manufacturer of
FLORISTS' SUPPLIES
Complete Stock—New Goods—New Illustrated Catalogue Now Ready. Send for it.
108 W. 28th St., near 6th Ave., NEW YORK.

WE NOW OFFER
"Chemicals"
for making LIQUID COMPOST.
Dry powders all soluble in water. Composts cost less than ½c per gal. Correspondence invited.
EASTERN CHEMICAL COMPANY,
620 Atlantic Ave., Boston.

If you write to any advertiser anywhere mention the paper in which you saw the ad. Both publisher and advertiser will like you better for it.

The American Florist Company's
DIRECTORY
contains the names and addresses of the Florists, Nurserymen and Seedsmen of the United States and Canada. PRICE, $2.00.

2nd-HAND BOILERS

We have in stock a great number of good second hand boilers, low pressure, which we will sell at

Bargain Prices

consisting of the following:

10—48x12 horizontal tubular boilers, each $125 00

3—42x10 horizontal tubular boilers, each $100 00.

6—36x12 horizontal tubular boilers, each $75.00.

1—Kroeschell hot water boiler, 100 feet capacity, $75 00.

100,000 feet 2-inch second hand boiler tubes which we furnish with sleeve couplings, oakum and cement, per foot 6 cents.

50,000 feet 4-inch flanged wrought iron casing, per foot 16 cents.

Ask for Our Catalogue No. 47.

Chicago House Wrecking Co.,

West 35th and Iron Sts., Chicago. Ill.

FOR SALE.

VALUABLE IRON GUTTER PATENTS

I hereby offer for sale the Patents covering my Wrought Iron Gutter; also the Patents covering the Gutter advertised in last week's edition of the AMERICAN FLORIST, Florists' Exchange, and the Florists' Review, by Geo. M. Garland.

The increased business of the Standard Ventilating Machine demands my whole attention to its manufacture. But, as in the past I will give the gutter business its fullest share of attention until the patents are sold. Yours truly,

E. HIPPARD, Youngstown, Ohio.

AdjustablePlantStands

THE BEST ON THE MARKET.

1 Stand $1.50; 3 Stands $4.00; 6 Stands $7 50; 12 Stands $14.00.

YOU NEED THEM IN YOUR BUSINESS.

C. B. WHITNALL, MILWAUKEE, WIS.

Sprague Smith Co.

PLATE AND WINDOW GLASS

Greenhouse Glass a Specialty

205 Randolph Street, CHICAGO.

Please mention the American Florist when writing.

$ 9 00 TO BOSTON AND RETURN $19 00

via Nickel Plate Road, account of meeting of Christian Scientists, June 15th to 18th. Tickets on sale June 12, 13 and 14, with open return limit of June 21st. By depositing tickets with Joint Agent in Boston on or before June 21st, extended limit returning until JULY 31st, may be secured. Three trains daily. Through vestibuled sleeping-cars. American Club Meals served in dining-cars on the Nickel Plate Road; also meals a la carte. Address John Y. Calahan, General Agent, 111 Adams St., Chicago, for reservation of sleeping-car space and other information. 8

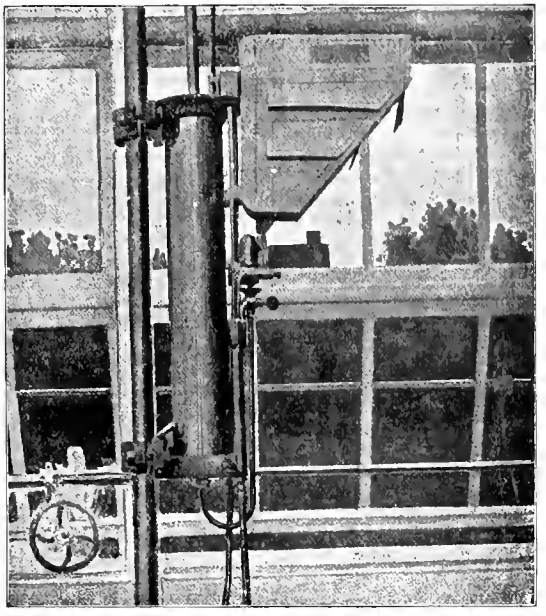
The Highest award at the New York Carnation Show was given to a man who has forty-three (43) of our Automatic Ventilators. Our Ventilators are at work in the Central Park Conservatories, New York.

Prevents Mildew

Operates to perfection in catchy weather.

Commercial growers use them largely.

The Automatic Ventilator does its own thinking.



Saves all labor.

Improves the growth of plants.

Especially good for Roses.

Will last a lifetime and soon pay for themselves.

The Automatic Ventilator ventilates as necessity requires.

THE CHADBORN PATENT AUTOMATIC VENTILATOR

For Greenhouses, and also Temperature Regulator for Radiators.

CHADBORN MFG. CO., NEWBURG, N. Y. BUFFALO, N. Y., March 28, 1902.

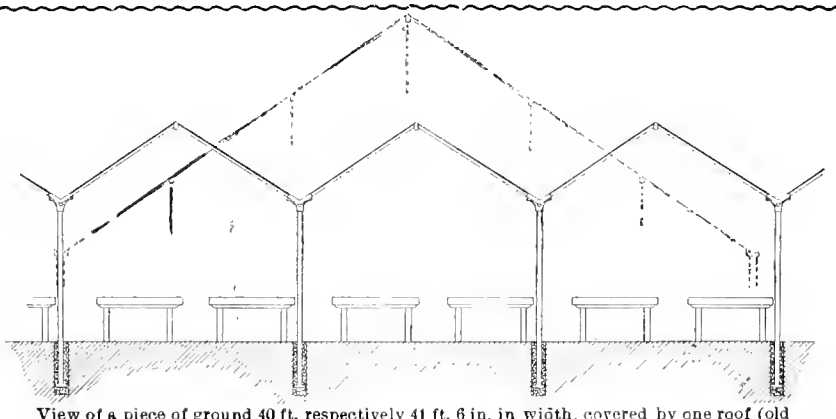
Gentlemen:—Your Automatic Ventilator was installed in one of my houses in January. It has answered every purpose for which it is designed. In a large establishment it must be a great saving of labor; and it does its work accurately. Wishing you the success you deserve. I am

Very truly yours, WILLIAM SCOTT.

Manufactured by THE CHADBORN MFG. CO., Broadway and High Streets, Newburg, N. Y.

Our Illustrated Catalogue, Prices, Etc., is yours for the asking.

WE VENTILATED THE NORTH CONSERVATORY AT THE PAN-AMERICAN EXPOSITION AND TOOK THE GOLD MEDAL.



View of a piece of ground 40 ft. respectively 41 ft. 6 in. in width, covered by one roof (old style), and also by three sections of our Patent "Short-Roof" Construction. Compare headroom over benches and number of supports.

SHORT-ROOF GREENHOUSES. (Patented.)

.....WRITE FOR CATALOGUE.....

A. DIETSCH & CO., Patentees

Manufacturers of California Red Cedar and Louisiana Cypress Greenhouse Material.

615-621 Sheffield Ave., CHICAGO.

KIFT'S Patent **ADJUSTABLE VASE HOLDER**

No. 1.—Brass, nickel, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) $2 25. Price complete (with green or white cornucopia vases) $2.50. No. 2.—Heavy 4 ft. rod, brassed and nickeled, with three clasps for 5 to 6-inch pots, each $1.75

KIFT'S PATENT Rubber Capped FLOWER TUBES, 1½-inch diameter, per 100, $3.50.

JOSEPH KIFT & SON, 1725 Chestnut St., Phila., Pa.

Please mention the American Florist when writing.

American Florist Ads

Always do business, week days and every day, Sundays and holidays, all over the country, at home and abroad.

MOLLER'S

Deutsche Gartner Zeitung

The most widely circulated German gardening journal, 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 Zeitung is published weekly and richly illustrated. Subscription $3.00 per annum, including postage. Sample copies free.

LUDWIG MOLLER, ERFURT Germany

Columbus, O.

VARIOUS JOTTINGS AS TO THE STATE OF TRADE.—BEDDING PLANT DEMAND CONTINUES HEAVY.—MUCH GOOD STOCK SHOWN —CUT FLOWER STOCK SHORTENS UP.

A long looked and hoped for shower made its appearance this week, it being the first of the spring season, and the carnations in the field where no water is available are saved from what threatened to be an entire loss. Those who handle trees are lamenting, as the rain came too late to prevent a considerable mortality in freshly planted stock.

A good demand for cut stock still continues. Roses are getting poor, with carnations a close second, although a few of the latter are being shipped in from the north that are in pretty good condition.

Pæonias and other outdoor stock figured on for Memorial day are not yielding the crop hoped for and there will be a shortage in this section on account of the long season of dry weather.

The Livingston Seed Company is displaying a lot of bedding stock at their High street store, the rush in the seed department being somewhat diminished.

Hellenthal has about cleaned out his large stock of hybrid roses and Ramblers, the latter retailing at $1 and readily bringing $6 per dozen wholesale.

Good business is reported from every florist in and about this city. Bedding stock is holding out well, especially in geraniums.

Underwood Brothers had a fine lot of hydrangeas, of which those in bloom have all been disposed of. CARL.

OSKALOOSA, IA.—The Kemble Floral Company is preparing to begin the rebuilding of its entire plant immediately after Memorial day.

ALEXANDRIA, IND.—The Alexandria Greenhouse and Floral Company has been merged into a stock corporation by Ernest Marland and the new company will at once proceed to erect large greenhouses, presumably on South Harrison street. Five thousand dollars worth of stock has been subscribed, Ernest Marland being retained as manager, with J. G. Brannum, A. H. Jones, S. J. Mack, Virgil Wilson, F. P. Boyd, D. C. Jordan, Joseph Hall, J. H. Frank and J. F. Merker as stockholders.

WRITE
A. F. KOHR, 1521-23 N. LEAVITT ST., CHICAGO, ILL.,
FOR PRICES OF
Standard Pots
which for strength and porosity combined are the best on the market.

THOSE RED POTS
"STANDARDS"
FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y,
HARRY BALSLEY, Rep. DETROIT, MICH., 490 Howard St.

GALVANIZED WIRE—AT BARGAIN PRICES.
Fifty car loads of new galvanized wire, in short lengths. Never was used. Comes from 6 to 1 gauge. Put up 100 lbs. to a coil and only one size wire to each bundle.
Prices range from $1.40 to $1.90 per 100 pounds.
Our Free Catalogue No. for the asking. We handle all kinds of supplies from Sheriff's and Receiver's Sale.
Chicago House Wrecking Co.
West 35th and Iron Sts., Chicago.

AWARDED THE ONLY FIRST CLASS CERTIFICATE OF MERIT BY THE SOCIETY OF AMERICAN FLORISTS AT BOSTON MASS AUG 21ST 1890 FOR STANDARD FLOWER POTS.
STANDARD FLOWER POTS
WHILLDIN POTTERY CO.
JERSEY CITY LONG ISLAND CITY
PHILADELPHIA
Traveling Representative,
U. CUTLER RYERSON.
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ESTAB. 1765
A. H. HEWS & CO.
NO. CAMBRIDGE MASS
L. I. CITY N.Y.
CATALOGUE FREE.

Standard Flower... POTS
If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.....
W. H. ERNEST,
28th and M Streets, WASHINGTON, D. C.

GEO. KELLER & SON,
MANUFACTURERS OF
FLOWER POTS.
Before buying write for prices.
361-363 Herndon Street,
near Wrightwood Ave.,
CHICAGO, ILL.
Please mention the American Florist when writing

FLOWER POTS
ALL KINDS.
STANDARD POTS A SPECIALTY
List and SAMPLES FREE.
SWAHN'S POTTERY MF'G CO.,
P. O. Box 78. MINNEAPOLIS, MINN.
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Invalid Appliance Co.,
MANUFACTURERS OF
COLUMBIA PLANT TUBS
(PATENTED)
"The kind that never fell apart."
If your seedsman doesn't handle them, order of us direct.
FACTORY AND OFFICE:
150-160 VEDDER ST., - CHICAGO.
TELEPHONE NORTH 893.

THE Regan Printing House
NURSERY SEED FLORISTS' CATALOGUES
87-91 Plymouth Place,
CHICAGO
Please mention the American Florist when writing.

The Standard
The lightest running, most rapid and powerful ventilating machinery in the market.
Duplex Gutters,
Made of wrought or cast iron with self adjusting sash bar clips. The only Drip Proof Metal Gutter offered to the Public. Send for my catalogue free.
E. Hippard,
Youngstown, O.

STANDARD FLOWER POTS!
Packed in small crates, easy to handle.

Pots	Price per crate		Pots	Price per crate	
1500	2-in., in crate,	$4.88	120	7-in., in crate,	$4.20
1500	2½ "	5.25	60	8 "	3.00
1500	2½ "	6.00	48	9 "	3.60
1000	3 "	5.00	48	10 "	4.80
800	3½ "	5.80	24	11 "	3.60
500	4 "	4.50	24	12 "	4.80
320	5 "	4.51	12	14 "	4.80
144	6 "	3.16	6	16 "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers. Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.
HILFINGER BROS' POTTERY,
OR ... FORT EDWARD, N. Y.
AUGUST ROLKER & SONS, New York Agents,
31 BARCLAY ST., NEW YORK CITY.

KELLER BROS.
213-15-17-19-21-23 Pearl St.,
NORRISTOWN, PA.
Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.

RED POTS
SAMPLE POT AND PRICE LIST ON APPLICATION.
C. C. POLLWORTH CO., MILWAUKEE, WIS.....

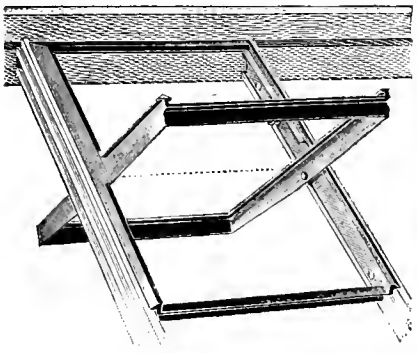
THE
Gardeners' Chronicle.
A Weekly Illustrated Journal.
ESTABLISHED 1841.
The GARDENERS' CHRONICLE has been FOR OVER SIXTY YEARS THE LEADING JOURNAL of its class. It has achieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, the information furnished is of such general and permanent value that the GARDENERS' CHRONICLE is looked up to as the STANDARD AUTHORITY on the subjects of which it treats.
Subscription to the United States, $4.20 per year. Remittances to be made payable to H. G. COVE.
OFFICE:—
41 Wellington St., Covent Garden, London, England.

WILKS Hot Water Heaters.

Best made for Greenhouses. SELF-FEEDING MAGAZINE. All Steel. Simple, strong, durable. Send for Catalog, etc.

S. Wilks Manfg. Co., 53 to 55 S. Clinton St., CHICAGO.

THE NEW CAST IRON VENTILATOR



Patent Applied For.

The sash being perfectly balanced you can open the sash on houses up to 1000 feet long with one machine. No header bars. No hinges to rust. Will last a lifetime. The price is within the reach of all. Send for descriptive circular.

A. RASMUSSEN, NEW ALBANY, IND.

D. O. Gunningham Glass Co.,

PITTSBURG, PA.

Tank Window Glass.

Hot-House Glass A Specialty.

EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS

WRITE FOR ILLUSTRATED CATALOGUE

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FOR SOMETHING NEW AND NICE

"Cluster of Roses Stationery"

for Florists, is the latest. Both plain and in colors. Samples free by

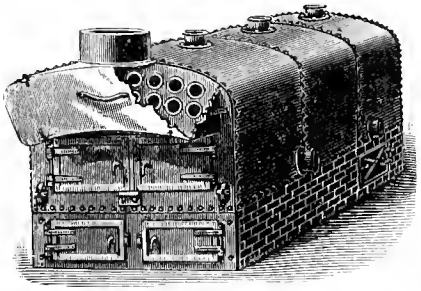
DAN'L B. LONG, Publisher, BUFFALO, N. Y.

Please mention the American Florist when writing.

ECONOMY OF FUEL

NOT ONLY IS THE

Improved Kroeschell Steel GREENHOUSE BOILER



Superior to cast iron, sectional and other kinds in strength and durability, but it is a

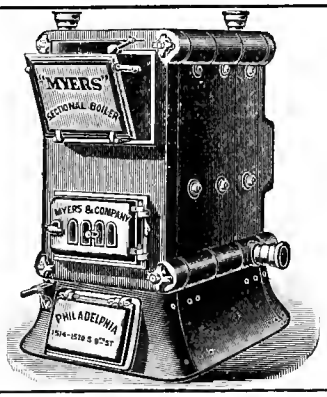
Fuel Saver.

THE GEO. WITTBOLD CO., CHICAGO, wr te: We think your boiler saves us 25 per cent of coal compared with the boiler doing the work before.

J. W. C. DEAKE, ASHEVILLE, N. C., says: Your boiler saves us at least 15 per cent of coal; our foreman says 20 per cent.

Write to-day for book of florists' testimonials and place your order early. These are not stock boilers. Each one is built to order.

KROESCHELL BROS. CO. 45 Erie St., CHICAGO.



Exclusively

A GREENHOUSE HEATER!

SPECIALLY ADAPTED FOR THE WORK EASY TO ERECT; SIMPLE IN OPERATION; ECONOMICAL AS TO CONSUMPTION OF FUEL.

Send for Catalogue and latest prices.

MYERS & CO.,

116 South 17th Street, - PHILADELPHIA, PA.

(ESTABLISHED 1849.)

GEO. M. GARLAND,

IRON GUTTERS AND POSTS.

Testimonials from leading growers. Send for Catalogue.

GEO. M. GARLAND, Des Plaines, Ill.

JOHN C. MONINGER CO. CHICAGO, SELLING AGENTS.

LUMBER AT HALF PRICES.

WE PURCHASED THE PAN AMERICAN EXPOSITION

SEND US YOUR LUMBER BILL FOR OUR ESTIMATE.

Pipe, Machinery and Building Supplies in General.

FREE CATALOGUES ON APPLICATION.

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PAN-AMERICAN, DEPARTMENT 76. BUFFALO, NEW YORK.

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Always do business,
Week days and every day
Sundays and holidays,
All over the country,
At home and abroad.

Horticultural Builders & Heating Engineers

PHILLIPS MFG. CO.,

Tel. 1851 Bergen. Jersey City, N. J.

In 1900 we built 5,726 square feet.
In 1901 " 21,276 square feet.
In 1902 " to date 14,962 square feet.

Have orders for 19,600. This should convince you we are progressive and up-to-date. See the range we are building for S. Untermeyer, Esq., Greystone, Yonkers, N.Y.; conceded by practical authority to be a perfect type of greenhouse. Call us up.

Please mention the American Florist when writing.

THE KINNEY PUMP.

For applying liquid manure it has no equal. Sent prepaid for $2.00.

THE HOSE CONNECTION CO., Kingston, R. I.

Please mention the American Florist when writing.

Los Angeles.

EVENTS AFFORD LITTLE PROFIT TO FLORISTS —STOCK DONATED OR SOLD VERY CHEAP.—PRICES DOWN TO THE ALL-SUMMER SCALE.—NOTES OF PERSONAL AND TRADE DOINGS.

The Fiesta and biennial meeting of the Parliament of Women's Clubs have come and gone. Each of these gave the florists some work, most of which may be said to have been unprofitable. The flowers for Fiesta were sold at very low prices, while for the Women's Clubs nearly all were donated. One grower gave 12,000 carnations, and many gave smaller quantities. These events show the wonderful profusion of flowers. One day 10,000 callas were used to decorate Simpson Tabernacle for the ladies' meetings. Prices on all cut flowers are now down to the summer level, carnations 35 cents to 50 cents per hundred; sweet peas $1.50 per thousand; roses $1 to $2 per hundred; splendid amaryllises 5 cents per stalk; centaureas 50 cents per hundred. Until very recently trade has kept up well and Decoration day, and then the June commencements, should liven up business to some extent.

Morris Goldenson has removed to a larger and in every way more desirable store at 229 West Third street, the change being necessitated by the increase in business.

Henry Christensen, who was in the florist business here for a number of years prior to his departure for Mexico, is visiting old friends.

E. R. Meserve has removed his greenhouses from Pico Heights, Los Angeles, to Burnett Station, where they are now being rebuilt.

Miss Ethel Lord has sold a half interest in the Elysian Nursery and Gardens to Hugh Evans. The new firm will be Lord & Evans.

Chas. H. Cohen, a San Francisco florist visited old friends here during the Fiesta. D. R. M.

MANCHESTER, ILL.—John T. Cherry has had a fine season in his greenhouse department, having had a good local trade and shipped large quantities of cut blooms, principally to St. Louis. He is now giving his attention to trucking. He has already shipped 200 bushels of radishes to Chicago and has leased a piece of land on which he has five acres of onions and 100,000 celery plants.

CYPRESS

Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.

Please mention the American Florist when writing.

IT IS just as essential in building to get good material, as it is to plant house with good stock.

CLEAR CYPRESS ABSOLUTELY FREE OF SAP

You cannot get a good cut of flowers from poor plants, neither can you build a substantial house from poor material.

We have made greenhouse construction a special study.

You are welcome to the benefit of our wide experience.

Get our estimate. We can serve you better than your local mill.

IT PAYS TO PAY FOR QUALITY

JOHN C. MONINGER COMPANY.
GREENHOUSE MATERIAL
111 to 115 BLACKHAWK ST. CHICAGO ILL.
SELLING AGENTS FOR
GARLAND IRON GUTTERS.

OUR MOTTO:

QUALITY and WORKMANSHIP

If you want good greenhouses you must have a good design and good material, properly machined.

We use only the Best Absolutely Clear

AIR DRIED GULF RED CYPRESS

And have the ability and facilities to give you the best of workmanship. Before you build write for sketch and estimate.

If your iron work and pipes rust and corrode write us about our PAINT specially prepared to prevent corrosion underground and in damp places.

FOLEY MANUFACTURING CO.

Office, 471 W. 22nd St. CHICAGO, ILL. Factory and Lumber Yard, 474-498 W. 21st Place.

MASTICA FOR Greenhouse Glazing

USE IT NOW.

F. O. PIERCE CO.
170 Fulton St.,
NEW YORK

DILLON'S GREENHOUSE MFG. CO. Bloomsburg, Pa.

MANUFACTURERS OF HOT BED SASH, AIR DRIED GULF CYPRESS SASH BARS AND OTHER GREENHOUSE MATERIAL.

BUILDERS of DURABLE and PRACTICAL Greenhouses at a LOW COST.

☞ Our descriptive circular contains valuable information for every florist. Send for it. WE HAVE SOMETHING NEW TO OFFER.

Please mention the American Florist when writing.

ESTABLISHED 1847.

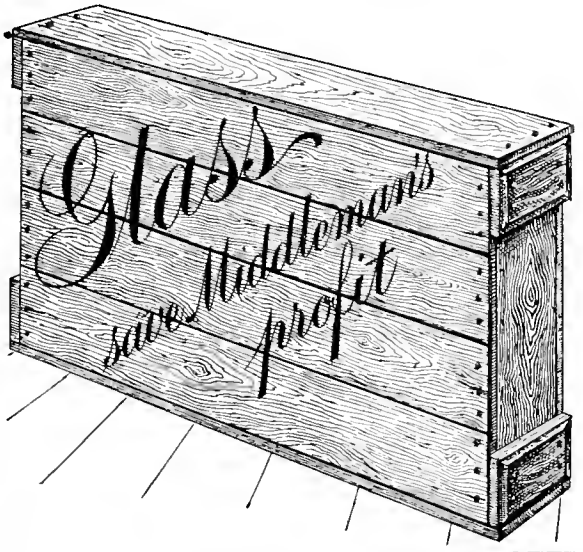
Semon Bache & Co.

7-9-11 Laight St., NEW YORK.

We Sell

French Glass

for Direct Shipment from Factory Abroad.



Carload Orders Only.

Try Us with a

Specification for Quotation.

PRICE LISTS and ILLUSTRATED PAMPHLETS GLADLY FURNISHED ON APPLICATION

GLASS

The kinds that will not break. We sell all kinds of it at popular prices. Safe and quick shipment guaranteed.

JOHN LUCAS & CO. 320 RACE STREET, PHILADELPHIA, PA.

LUCAS PUTTY DOES NOT ROB PAINT OF ITS OIL.

CYPRESS
IS FAR MORE DURABLE THAN PINE.
CYPRESS
SASH BARS
UP TO 32 FEET OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND ERECTION WHEN DESIRED.
Send for our Circulars.
THE A. T. Stearns Lumber Co.,
NEPONSET, BOSTON, MASS.

New Twin Section Boiler.

Clear Gulf CYPRESS
GREENHOUSE MATERIAL.

Glass AND Boilers

S. JACOBS & SONS, 1365 to 1373 Flushing Ave., BROOKLYN, N. Y.

Estimates furnished for Erecting.

Send 4 cts. for Boiler Catalogue.

GET OUR PRICES BEFORE ORDERING.

Boilers OF HIGH GRADE.

For GREENHOUSES.

See Our Catalogue.....

Steam and Hot Water. Giblin & Co., Utica, N. Y.

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Use our Patent IRON BENCH FITTINGS and Roof Supports.

THE JENNINGS IMPROVED IRON GUTTER.

IMPROVED VAPORIZING PANS
For Tobacco Extracts, Etc. Send for Circulars.

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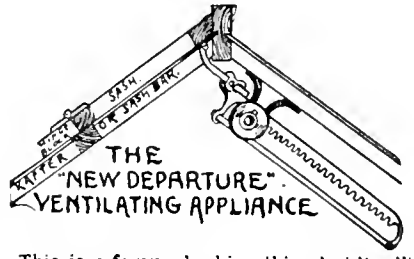

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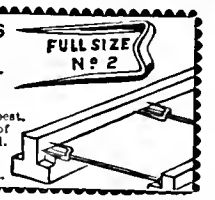

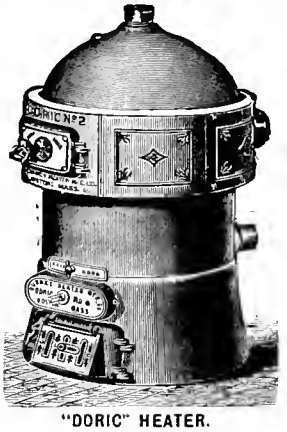

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AMERICAN ROSE SOCIETY.

Annual meeting at call of executive committee, LEONARD BARRON, 136 Liberty St., New York, secretary.

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Boston As It Appears to a Philadelphian.

[An address by George C. Watson before the Philadelphia Florists' Club, June 2, 1902.]

The bonds of amity, political, commercial and otherwise, between the two great communities of Philadelphia and Boston, are numerous and ancient and cordial; but in no relation are these bonds more emphatic than in the field of gardening.

I use the word gardening in its broadest meaning, which includes horticulture, floriculture, arboriculture and landscape gardening, or the art of laying out grounds. I use the word purposely because it is ancient and appropriate and catholic. I use it purposely because in recent years some people of pretensions would appear to be ashamed of it, while they on the contrary ought to be proud of it as being in its highest reaches equal in grandeur to its sister arts, music, poetry and painting.

And so, when a Philadelphian looking back on his city's ancient and modern achievements in gardening and feeling a sense of elation in contemplating the great figures that did their day's work so nobly in their chosen field, when this proud feeling is strong on him and he suddenly finds himself in the midst of that other great center of gardening, the city of Boston, he experiences a new feeling.

That new feeling is not envy; neither is it shame. It is a higher pride, a more exalted elation. The Philadelphian's pride is still there, but it is merged in the cosmopolitan glory of a common heritage, for gardening knows no latitude and no longitude and the appreciative visitor cannot view the art as practiced in Boston and New England to day without feelings of the deepest respect and admiration.

To some it may appear difficult to say when one community has reached a higher stage than another in the difficult art of "gardening finely;" but a little reflection will reveal the distinction. Of the four grand divisions of gardening as laid down by London, horticulture, floriculture, arboriculture and landscape gardening, the latter is undoubtedly the branch that calls for the highest order of talent. There are thousands in this country who call themselves landscape gardeners who are little more than kall gardeners and who have but the faintest idea of the true significance of the term. Many of them know about as much about it as a cat does about the Lord's Prayer. When I speak of landscape gardeners, therefore, I do not mean the quack kind, but those who have true taste and genius for their profession and they are rare indeed.

Now it is because Boston has produced most of the genius in that crowning branch of gardening that she takes rank as the mecca to which we all turn and worship. In one great man alone, the late Frederick Law Olmsted, Boston had a shining light that illuminated the remotest corners of the land with examples of correct taste in the matter of laying out grounds, both public and private. Many younger tapers have been lighted from that torch and they are bidding fair to carry on the work on the sound principles laid down by Mr. Olmsted and other eminent men of the older generation.

Monuments of the taste and liberality of the citizens of Boston in gardening are visible in every direction—in her park system, in her cemeteries, in her model suburban railroad station grounds and in her innumerable elegant private estates. Taking an impartial survey of the whole field I have no hesitation in saying that Boston is the most advanced community in gardening matters in North America if not in the world, and while Philadelphia was the mecca half a century ago and is still a good second, her citizens are as ready to applaud superior merit as they are capable of understanding such merit when they see it. This distinction is merited by Boston solely on the grounds of the higher culture in landscape gardening.

Other cities outrank Boston in some branches of gardening by reason of climate, location or other accidental circumstance, but in most things it was Boston and Philadelphia that first showed them the way. The rigorous climate and rocky soil of Massachusetts called for gardeners of the right kind and that was the kind produced. We Philadelphians are proud of our roll of great men in gardening, from Bartram, Hamilton, Jackson, Pierce, Marshall, McMahon down to Buist, Landreth, Meehan and others. In like manner, the Bostonians cherish an equally ancient and eminent golden scroll blazoned with such names as Endicott, Fenueil, Fessenden, Kenrick, Breck, Hovey, Wilder, Manning, Olmsted, Hunnewell and dozens of others of notable importance in their contributions to the art of gardening in the new world.

In seeking for the causes which produced the present proud pre-eminence of Boston in gardening we naturally attach

much importance to her Horticultural Society, established in 1829, two years later than our own organization. While McMahon, of Philadelphia, published the first American book on gardening in 1806, Boston had the first periodical that treated on gardening extensively, "The New England Farmer," which was edited by Fessenden and Breck and lead up to the formation of the Massachusetts Horticultural Society, which in turn influenced the founding of Mt. Auburn Cemetery, the first in America in the modern style as distinguished from the old-fashioned churchyard. Then for thirty odd years, from 1835 to 1868, we see "Hovey's Magazine" flourishing and shedding a great influence in the community just as "Meehan's Monthly" did here from 1859 to the present time. The character and standing of the men in the Boston society have always been of the highest order also and the effect of these influences on the modern community is quite apparent and most gratifying to contemplate.

These reflections are the result of a recent visit to Boston and my only excuse for troubling you with them is to remind you that each and every one of us has to strive to do his share in keeping the light burning however small the faggot he brings. The mere facts, or most of them, you knew before and I do not pretend to teach, only to remind you, and my experience is that it is reminding we all need more than teaching.

Now, in conclusion, I suppose you want to know how the world wags for your many friends in the trade about the Hub. I am glad to report all well; they have had a prosperous season and most of them are looking forward hopefully and planning bigger things for the future.

William Edgar has become the owner of a charming estate about half a mile from his present location and has the model place of North America already full-fledged under his bonnet. When finished you will all want to go and see it. New ideas, new methods, the utmost that a masterful mind and ample means can do in these expansive times, will be there, the model place of the day and a hearty welcome thrown in.

E. N. Pierce has his improvements about finished and you would hardly know the place now. A complete railway system is one of the unique features introduced. There's a main line down the center, with branches into each house on both sides. Pot plants by the hundred thousand are handled by this means with the greatest smoothness and dispatch. The only familiar thing I saw on this place was the old cupola over the office. It's still there and the owner dispenses as of yore his wit and wisdom from this lofty perch.

Fred. Mathieson is still on the retired list and occupying his time hoeing his potato patch for physical exercise and communing with the ancient philosophers for the good of his soul. A ripe experience, a well stored mind and a generous heart are a fine combination and an hour's chat on things in general with such a personality is one of the reconciling consolations of a vexatious world.

Mr. Mathieson also likes a good horse and complimented me by giving Euripidus and Cervantes and Ben Butler the shake for an afternoon drive to Auburndale and Newton, where we saw among others your old friend Elijah Wood, who had many kind inquiries to make about his Philadelphia friends.

Another day I went to Waban, where I found Mr. Montgomery, affable as ever and busy with rebuilding. I saw the celebrated 700-foot house and it certainly was an eye-opener to stand at one end and look away into the distance so far that one could hardly see where it stopped. The Morgan rose is grown here very successfully on the side benches, and is grafted on Manetti. Morgan is apt to decay at the graft and I asked if the multiflora stock had been tried. Mr. Montgomery said it was too vigorous, flooded the plant too much with sap, gave it apoplexy, in fact, and spoiled its flowering capacity. Grafted roses are used almost exclusively and the difference in first cost is said not to be worth considering when compared with after results. Asparagus plumosus is grown to a considerable extent and the demand has always been ahead of supply. A complete refrigerating plant is a feature of the place, which, as you all know, is one of the largest and best conducted in the country.

FREDERIC W. TAYLOR.

Acting Chief of Horticulture, Louisiana Purchase Exposition.

I saw Mr. Foster's new nephrolepis on its native heath and was impressed with it. It is a very distinct and valuable development of the common Boston fern, with finely divided graceful pinnæ along the outer edges of the fronds. In addition it is an equally strong grower and seems to me to have all the other good points of the original with its own peculiar merits in addition.

The new Farquhar rose was on exhibition during my visit at the regular weekly show of the Horticultural Society and was awarded a silver medal. This rambler is the largest yet—being quite two inches in diameter, very double and of the liveliest bright pink imaginable, borne in large clusters and with the individual flowers on longer stems than Crimson Rambler, so that they could be used in design work. It will make a magnificent Easter plant and its vigor, hardiness, etc., make it a sure winner for outside. The introducers (Messrs. Farquhar) will have over 100,000 plants ready for sending out next season.

My last Sunday I spent with Mr. Stewart at his country home in Winchester Highlands and I will not soon forget the many interesting trees, shrubs and hardy plants he had to show me, each one with a history and known and loved like a personal friend. In fact, most of them were mementos of personal friends and had been gathered from the four corners of the earth to that little paradise on the hillside. On my way from the station to Mr. Stewart's I met in with a member of the Boston Micological Society gathering mushrooms on the roadside for his Sunday dinner and I don't know how it happened without any introduction, but pretty soon he and I were as thick as Kentucky colonels on the merits of the various species of that toothsome esculent so that I was for a while in some danger of completely forgetting what I had gone to Winchester for. I am very glad I did remember, however, else the micological man might have invited me to dinner and tried his mushrooms on me and in that case, well there's no telling, I'm no Captain McIllvaine and can't undertake to tell all the four hundred and odd species of mushrooms on the spur of of the moment.

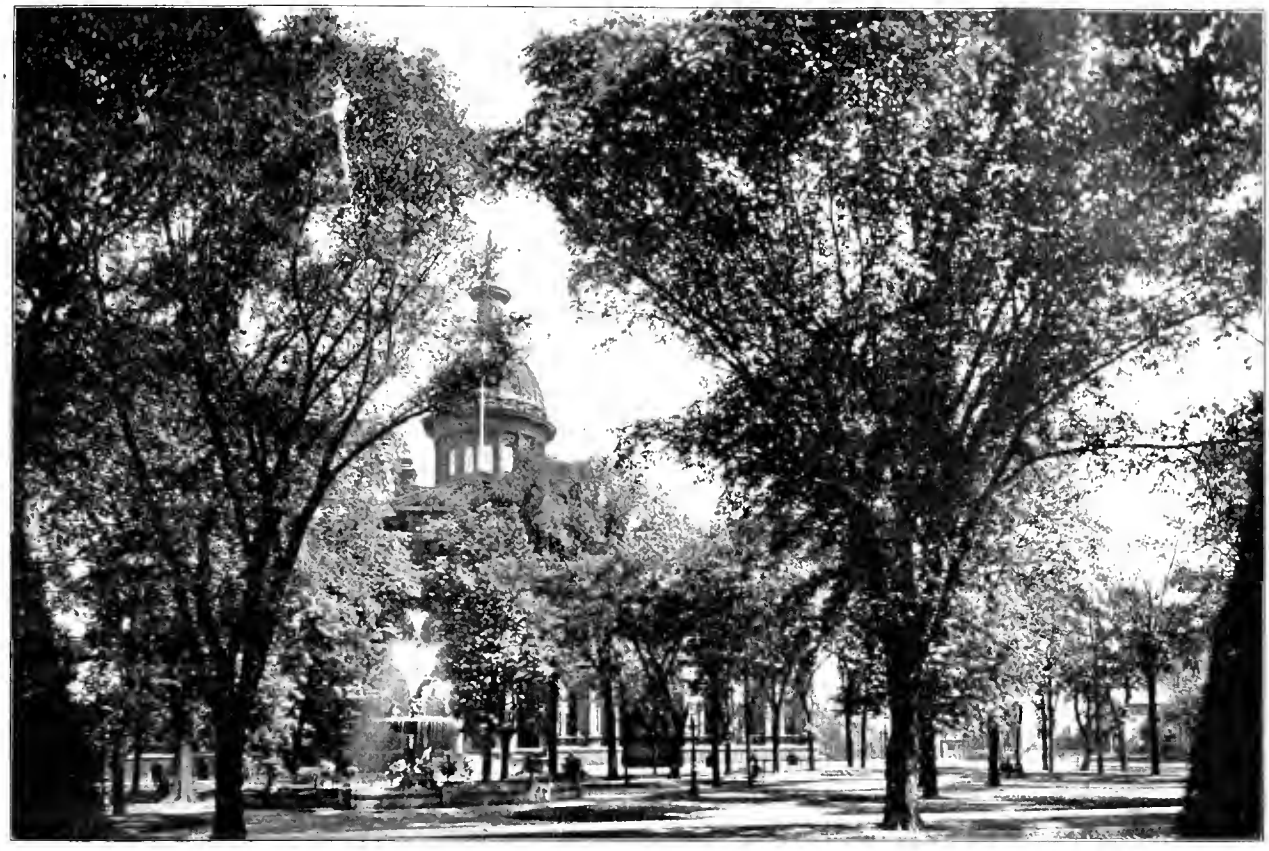
Of course I saw Warren Ewell, and the Welches, and the Nortons, and "Tom" Cox, and "Jim" Rough and "Sam" Neil, and Lawrence Cotter and George Sutherland and "Nick" McCarthy and a whole lot of other celebrities too numerous to mention and they all put on an added sprightliness when they heard there was a Philadelphian about and nothing in the house was too good. I'm afraid I reaped some of the harvest sown by the rest of you in days past when it was your pleasure to play host, but anyhow the fatted calf was there and the national flower of Kentucky, the mint julep and the sacred codfish and the Festive Fagus, not forgetting a welsh rabbit with all its feathers on, and Professor Elson with no frills at all on, but with a voice that would make the Grampion Hills dance and sing with joy.

So you see I had other dangers on my journey besides the usual fire, flood, barratry, and Queen's enemies and came very near being killed with kindness. I'm thankful to be back home again for after all wherever we roam, my friends, there's no place like Philadelphia.

The St. Louis World's Fair.

Official announcement has been made that the St. Louis World's Fair will not be held until 1904. No class of exhibitors will be more benefited by the change to a later date than those who will make the outdoor horticultural exhibits. It is, therefore, a pleasure to make this announcement to them, and to call attention to the arrangements which are to be made for them.

The great area of the grounds, over 1,000 acres, and their beautiful contour, will furnish by far the best setting for outdoor exhibits of trees, shrubs and plants ever given by any exhibition. There are exposures in every direction, as well as considerable stretches of level ground, giving locations to meet every requirement. In cases where for special reasons planting should be made in the fall of 1902, every effort will be made by the department to meet the requirements. For the spring of 1903 it is expected that everything will be in readiness for all the planting that should be made at that time. This will include practically all trees and shrubs, as well as many of the hardy perennials. Planting at that time will ensure thorough establishment. Every facility in the way of soil, abundant water, etc., will be provided,



TREES IN THE NURSERYMEN'S CONVENTION CITY.

(The County Court House, Milwaukee, Wis., and surroundings.)

and an earnest effort made to render every needed assistance by the management. In due time special rules will be issued covering this class of exhibits, but in the meantime the following general observations may be made:

Exhibitors will be expected to deliver all stock, which has been accepted for exhibit, at the exposition grounds, all charges paid. This department will, when desired, receive, unbox, plant and care for all such exhibits, or should the exhibitor prefer, he may retain charge of the planting and care of his exhibit. In all cases the exhibits, as well as the persons in charge of them, will be under the jurisdiction of the chief of the department of horticulture, and subject to such rules and regulations as may be from time to time promulgated.

The department of horticulture will maintain a sufficient corps of competent gardeners and workmen to give proper care to all outdoor exhibits.

The early springs at St. Louis, as well as the long summers, supply an ideal opportunity to display to the best possible advantage all this great class of decorative and ornamental trees and plants, and it is sincerely hoped that the nurserymen of the country will do their part toward bringing about the splendid results that may be attained.

The acting chief of the department has been requested by President Berckmans to present the subject "The Nursery Interests at the St. Louis World's Fair" at the meeting of the American Association of Nurserymen at Milwaukee, June 11 to 13. Those who think of exhibiting are asked to make themselves known. His badge number will be 136.

FREDERIC W. TAYLOR, Acting Chief.

The Trees of Milwaukee.

The city in which the nurserymen will convene on June 11 is peculiarly interesting to the craft on account of its trees. Although the city is famous for several things, the chief interest for the nurserymen will be the luxuriant foliage and the abundance of it. While it is called the Cream City, on account of the color of its brick, it might be called the Elm City. While there are many other varieties, the elm predominates. The chief reason, however, that it is so conspicuous is that the old settlers made use of it and their plantations have developed into most beautiful monuments. The impatient planted soft maple, the level-headed planted elms and the careless planted Lombardy poplars. Of the thousands of Lombardy poplars planted we seldom ever find one growing in a place suited to its general characteristics. While there are a few native oaks, none were planted until one gardener the last three years has been using the pin oak, the linden and hard maple. They will notice many cut-leaved weeping birches planted in groups of three, which has been quite a fad here for years, while Wier's cut-leaved maple is comparatively little known. One essential the nurserymen will find too conspicious by its absence. That is, scientific care of trees. This is not only true of the multitude of trees under private ownership but particularly in our parks. While much is being done in new work, the old settlers are allowed to perish.

There are also quantities of well developed shrubbery, although comparatively little attention was paid to shrubbery until the past five years. The meeting of the American Outdoor Art Association last summer gave quite an impetus to ornamental planting. As one drives around he can see that people are thinking more of the fitness of things and striving for harmony rather than falling in line for some particular fad. C. B. W.

Notes on Aquatics.

The conditions of the weather for the month of May have been normal and on the whole it has been a very favorable spring, although locally there has been a deficiency of rainfall and in some sections late frosts. In our section we are occasionally favored with a few flowers of Nymphæa pygmæa and N. Laydekeri in April, but this year it was the first week in May. Although many perennial hardy plants and shrubs and trees are in flower at this period, the nymphæas have an irresistible attraction and charm of their own and the first flowers are more welcome than the first flowers of spring.

Although N. Laydekeri rosea is still limited in production, and the price higher than some varieties of later introduction, it is most interesting and has its own distinctive merits and attractiveness. It is pre-eminently the earliest flowering water lily, one of the brightest and most attractive in color, can be grown in a small tub or planted in a natural pond, can always be depended upon not to overstep its boundary, is perfectly hardy and a single plant will continue to grow and flower without interruption from early spring to late fall, with little or no variation in size or color of flower. A pond with half a dozen or more plants at this season of the year eclipses anything else in the way of aquatic gardening. Outside of this variety there are but a few straggling flowers on other varieties,

the European sort N. alba having precedence.

Hardy varieties planted late in April and early May are making satisfactory progress, yet there are instances where too much haste has resulted in failure or nearly so. Especially is this the case with nelumbiums. As it has been frequently stated, nelumbiums are very impatient of removal and whenever dug and subjected to transportation and a decided change in temperature not conducive to new growth, it invariably tends to the deterioration and decay of the tuber. The early part of May was not altogether ideal weather for transplanting and shipping, and April was far from propitious, yet many were called for, and great risks were taken, excepting in southern states, and where tubers were planted indoors.

Too much haste was again evinced by planting the tender nymphæas in May and already complaints are heard that plants are not doing satisfactorily. It is not safe to plant tender nymphæas out of doors without artificial heat in the middle Atlantic states until the last week of May; the first week in June may even be better. Conditions of the weather and temperature of the water must be taken into account.

Victorias are, of couse, the last in the line of planting, especially where no artificial heat is at command, and the middle to the end of June is early enough. Failure may attend our best efforts and often plants suffer when planted in a new pond, constructed with masonry, through want of thought. Lime or the caustic properties of cement will kill both animal and vegetable life. After the work is completed and the cement "set," fill with water and let it stand two or three days, then draw it off and refill before venturing to plant.

Now is a good time to plant tender nymphæas, also hardy varieties; in fact, this operation may be continued all summer and where nelumbiums are desired and tubers not procurable, established pot-grown plants will prove most satisfactory.

Look out for leaf miners on water lily leaves. Their presence may be easily detected by a kind of scrollwork over the leaf. On examination it will be found that these insects, or rather the larvæ of an insect, a small fly, has cut channels in all directions and devoured so much of the leaf in its path. Of course leaves chewed up in such a fashion are very unsightly, but that is not all, as it means the loss of these leaves to the plant. A simple remedy may be found by the use of kerosene emulsion and if the early broods are destroyed much trouble and annoyance is saved later on, besides much benefit accruing to the plant.

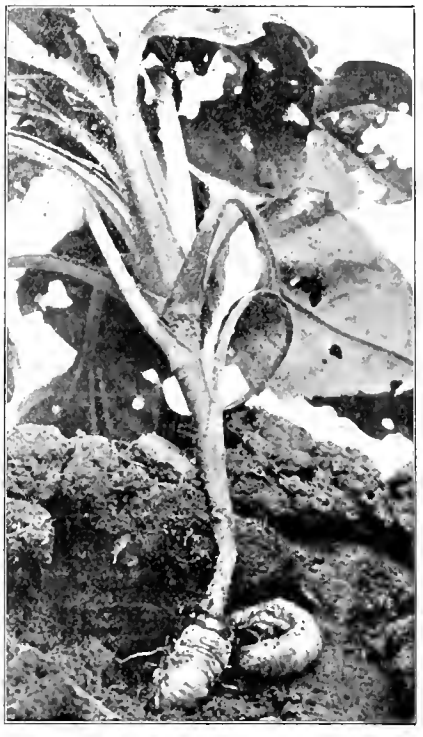
Among marginal plants and plants for shallow water or grown in submerged tubs no plant lend such graceful plumage as Papyrus antiquorum. Planted on the margin of the pond in wet ground it grows rapidly and attains a height of six to eight feet. It may also be planted in tubs and submerged in the pond but should not be more than six inches under water. Such plants are liable to be blown over if tubs or boxes are not firmly placed. It is also a most desirable plant grown in a tub sunken in the ground and kept well supplied with water. Cyperus alternifolius, the umbrella plant, makes a very ornamental plant grown under the same conditions and will attain a height of four to five feet.

Tub culture of water lilies has been but little urged or advocated in these columns and as many beginners have adopted this method with but partial success I venture to give some reasons or causes of failure. One of these is that the selection of plants and varieties of nymphæas has not been suitable for the purpose. Vigorous plants, or such that make rapid growth and produce large plants, are too often selected instead of the moderate growers that produce small flowers. Very often the less expensive varieties are selected for trial. These, embracing the odorata section, are very beautiful in their native haunts but are certainly not at home in a tub; neither is the Egyptian or any lotus without special care.

Another cause of failure is the extreme heat the plants are subjected to. The small quantity of water in the tub is quickly heated by the sunshine and the temperature will rise above 90°. It also rapidly cools at sundown and may drop below 60° before the next morning. Such extremes are not good for plants. Where plants are grown in tubs it will be well to use some floating plant for surfacing the water until the leaves of the water lilies cover the surface.

It should be borne in mind that the hardy varieties cease blooming when hot weather sets in and that the best hardy native water lilies, especially the Cape Cod pink lily, thrives nowhere as well as it does in Massachusetts and probably at Cape Cod. Why? To succeed in the culture of this charming lily and other hardy lilies. We must consult nature, and follow such dictates in the artificial production.

The results achieved at the Pan-American Exposition last season may have been brought about more or less by natural causes, local conditions, but the fact remains that hardy nymphæas can be successfully grown and make a continuous good display till the close of the season. WM. TRICKER.



WHITE GRUBS FEEDING AT ROOT OF ASTER PLANT.
(Reproduced from bulletin of the New York Experiment Station.)

White Grubs Attacking Aster Plants.

The larvæ of the May beetle and allied species feed upon the roots of a large variety of plants, according to a recent bulletin of the New York Experiment Station. The adults or beetles feed upon the leaves of many trees and shrubs. In western New York nursery stock, especially young fruit trees, is often seriously injured. The grubs of the species above referred to are evidently the most numerous and consequently do the most damage. They feed upon the roots, often eating the main root nearly off.

The field of asters in question that was injured by the grubs is located on the outskirts of Geneva, N. Y. It contained about 20,000 plants of several varieties. The soil was principally sandy loam. The year previous a crop of nursery trees had been removed from the field The aster plants began to show injury from the work of the beetles about the middle of July. The injured plants began to wilt suddenly and soon died. Examinations made during the latter part of July showed about ten per cent of the plants injured. Later a few more plants were destroyed by the grubs, making the percentage of injured plants somewhat higher. The grubs were usually found feeding at the crown of the root and for a short distance above. The accompanying illustration shows two grubs, natural size, feeding. In every case the bark had been eaten off all the way around the stem and in many cases the stem was completely severed. From one to four grubs were found at each plant.

The grubs were nearly all full grown and hence were in their second year. If left undisturbed they would have emerged as beetles the year following. The eggs were laid in the ground during the spring of the year previous and the young grubs were evidently supplied with food by the roots of the nursery trees. The removal of the trees took this food away from them, which meant that the crop that followed the next year would be sure to be injured by them.

No attempt was made to revive the injured aster plants, but as soon as one was observed to be wilting it was dug out and the grubs destroyed. By going over the field every day for about a week during the middle of July large numbers of the grubs were killed; probably most of them, as there was but comparatively little injury later. White grubs are difficult to check after a field has become infested. Prevention is by far the most satisfactory. If land is left in meadow for several years it is more apt to become seriously infested than if a short rotation of crops is practiced.

Herbaceous Plant Notes.

One of our neatest hardy plants at present in bloom is the light pink Valeriana montana. Although an old plant it is, like so many other perennials, hardly known, even by professionals, but surely it deserves to be grown in every garden, large or small. The plant is compact and clean in growth, has oblong, slightly toothed leaves, the stems are erect, twelve to fifteen inches high, bearing numerous flowers, shaped like those of V. officinalis, in dense, branched short panicles. Being a most useful cut flower and a very profuse bloomer, it seems strange that it has not yet found its way to the front. There is not the least difficulty in growing it to perfection, as any ordinary garden soil, even if rather poor, will grow the plants. They are never injured by our

TREES IN THE NURSERYMEN'S CONVENTION CITY.

(Looking south on Milwaukee Street, Milwaukee, Wis.)

most severe winters and require no special care at any time.

Another serviceable outdoor cut flower we have is the early blooming Anthemis Cupaniana, also but little known. The flowers are large, daisy-like, white with with a yellow disk, as freely produced, but earlier than those of the yellow A. tinctoria. The foliage, too, is more graceful than in the last named, longer, arching and silvery, pinnately cut and divided and the whole plant is more ornamental. It attains a height of from fifteen to eighteen inches.

The pretty little Pentstemon humilis, flowers beautiful blue with a purple throat, borne on three to five-flowered peduncles all along the slender, slightly branched stems, has been out for a week or longer now. It is the earliest pentstemon I know of, an elegant but dwarf species and also rare and little known. The leaves are small, lance-shaped and pale green. It is said to be related to the better known P. gracilis, but the latter is a late summer and fall bloomer, while the species under consideration flowers very early and again later in the season. Its height is only from six to ten inches, including the flower stems.

Veronica Teucrium follows closely after V. Chamædrys, of which I wrote in my last notes. The deep blue flowers are produced in dense spikes and last for about six weeks. It is a low-spreading, ground-covering species, but the flower-stems grow erect and are self-supporting, eight to twelve inches high. The flowers keep well after being cut. We seldom meet with the true species in gardens. I have seen five or six different species under this name in various collections.

Crucianella stylosa is a most profuse bloomer, decidedly showy with its terminal crimson pink heads of flowers, which are about an inch in diameter. Occasionally we see this plant under the name of Asperula stylosa; crucianella, however, is the correct name. Its growth is rambling but it covers the ground effectually, will spread over rock or stones very fast, forming a dense mat. For many purposes this is a desirable plant, still we rarely see it employed anywhere. J. B. K.

Pennsylvania Horticultural Society.

The usual May meeting of the above society was held at Horticultural Hall, Philadelphia, May 20, with a good attendance of gardeners and florists and a creditable exhibit of plants, flowers and vegetables. Henry F. Michell occupied the chair. Professor Stewardson Brown, the society's botanist, gave an interesting lecture entitled "Influence of Environment on Plant Variation." An important and interesting exhibit was the new fern "Anna Foster" from L. H. Foster, Dorchester, Mass. A sport from the Boston fern, its much divided pinnæ give it a very graceful and feathery appearance. A certificate of merit was awarded by the committee. Well grown Calceolaria hybrida from Wm. Robertson, gardener to J. W. Pepper, Jenkintown, took a first prize. Calceolaria rugosa, best pair, was won by John Thatcher, gardener to E. Le Boutilier, Wynnewood, with splendid plants. An intermediate form of calceolaria from Ernest Schrieber, gardener to W. L. Elkins, Ogontz, were well grown and received a prize. An extensive display of cauliflower for the Dreer and Michell prizes showed strong competition, John McCleary and George Robertson each taking a first prize. Lorillard tomatoes from F. Canning, fine asparagus from E. Uffler and several vases of cut flowers completed the display. The vase of sweet sultans from Geo. Morrison, gardener to Curwen Stoddart, Rydal, with three-foot stems, were exceptionally well grown.

The American Rose Society has determined to hold exhibitions, which have proved such a success at New York, at different cities, in order to increase the sphere of usefulness. This announcement came through Robert Craig, who made a motion that the American Rose Society be invited to hold its exhibition next year in conjunction with the Pennsylvania Horticultural Society's spring show. This was unanimously adopted and many members present expressed themselves as being delighted with the prospect of having such an important event in our city. FRANCIS CANNING.

Horticultural Society of New York.

The following arrangements have been made for the meeting at the New York Botanical Garden, Wednesday, June 11. Members and their friends leaving the Grand Central Station, Harlem division, by the 1:35 p. m. train for Bronx Park Station will be met by James Wood, president of the society, and escorted to the herbaceous ground and hemlock grove. Those leaving Grand Central Station by the 2:35 p. m. train will be met at Bronx Park Station by Dr. N. L. Britton, Director in Chief, New York Botanical Garden. The formal meeting

will commence in the lecture hall of the Museum building at 4:15 o'clock, and will be followed by an address on "Horticultural Prospects," by the president of the society. Members and their friends leaving Grand Central Station by the 3:35 p. m. train will arrive in time for the formal meeting. The council of the society will meet in the administration office, Museum building, at 3:15 o'clock. The museum, library, herbarium and laboratories in the Museum building will be open for inspection until 6:30 o'clock.

An exhibition will be held in connection with the meeting, in the hall of the Museum building immediately adjoining the lecture hall. This exhibition will be open from 1 p. m. until 6:30 p. m. on Wednesday, June 11, and from 10 a. m. until 5 p. m. Thursday, June 12. Members of all allied and kindred organizations are invited to be present.

The premium list includes, besides classes for cut roses, pæonias and flowering shrubs and wild flowers, classes for strawberries and vegetables. The American Rose Society's silver medal is offered for the best collection of garden roses. George Skene will have charge of the arrangements on the part of the New York Botanical Garden.

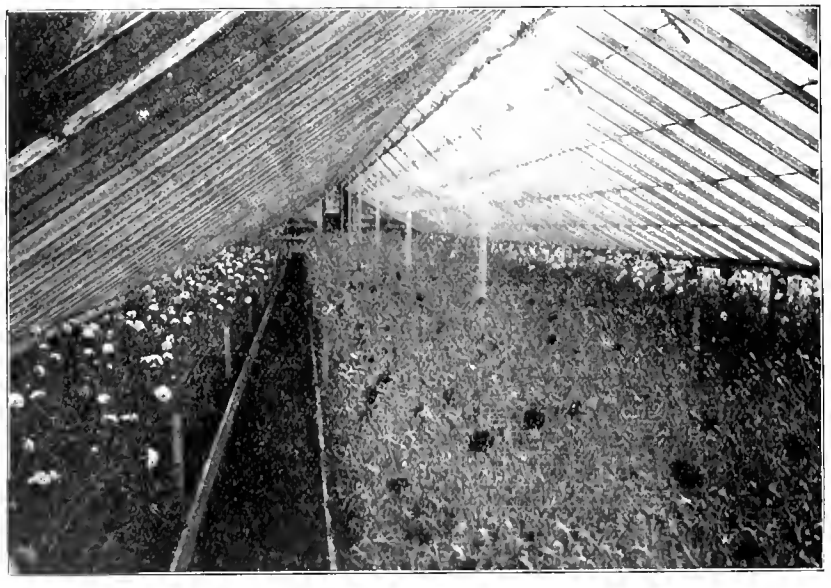
Floriculture in Oklahoma.

How many persons have any conception of the state of floricultural affairs in Oklahoma? Doubtless it has not occurred to many that the southwest offers a congenial soil in which florists' establishments may take root and thrive. The average person east of the Missouri probably knows no more of this fertile land than that politically it is a territory organized out of the western portion of Indian Territory. Those who have good memory for dates may recall that this was in May, 1890, and that the population then was slightly above 60,000, more than 13,000 of whom were red men. He doubtless still thinks of it as the home of the Indian, but as a matter of fact the original American now has no home; he has been crowded out of Oklahoma by the 335,000 whites who have settled there in the past ten years, although there is still room to grow, for the population is less than eleven to the square mile.

It is not every ten-year-old community that supports florists as progressive as any in the country, but Guthrie, the capital of Oklahoma, with its 10,000 population provides a splendid business for Furrow Brothers, who have built up a range of 10,000 feet of glass, the largest greenhouse establishment in the territory, growing principally carnations and chrysanthemums but including such items of miscellaneous stock as are essential to a rapidly developing retail business. One of the accompanying illustrations is a view in their show house, another is from a photograph taken in the cool room, showing a day's cut in April, and the third is a view in a thoroughly modern carnation house added to the plant last year. Two older houses have this year been planted to Armazindy, which does remarkably well, producing fine, large blooms on long, strong stems and in the greatest profusion.

In the autumn chrysanthemums are the principal crop and there are now ready for benching 11,000 plants of the leading varieties, which will be grown to single stem for fall. A new house 16x100 is now going up for this stock. Another branch of the business is mushroom growing, which is also one of the best of their successes, and, just to keep things moving in summer, they grow ten acres in beans, onions, rhubarb and ornamentals.

Furrow Brothers believe that their territory is the garden spot of the universe and that Oklahoma is destined to be one of the greatest states in the Union. It is certain to maintain its present rate of development at least for some years to come and to afford a rich and fallow field for the horticulturist. It is the intention of the firm to maintain its expanding business in step with the progress of the community and here we may one day find the greatest floricultural establishment of the whole southwest.



A CARNATION HOUSE OF FURROW BROS., GUTHRIE, OKLAHOMA.

LACROSSE, WIS.—The newspaper reports of damage inflicted by the recent storm were greatly exaggerated. There was no injury done to greenhouse property.

Memorial Day Business.

READING, PA.—Henry J. Huesman reports Memorial day trade about the same as last year, there being a large supply of outdoor flowers.

ELMIRA, N. Y.—H. N. Hoffman says that in his experience Memorial day trade showed an increase of twenty per cent in the amount of bedding and vase work and that the call for cut flowers was fully up to the average.

BATAVIA, ILL.—Memorial day trade was much heavier than a year ago; McAllister & Company say double. They sold out of cut flowers early in the day and every 4 inch geranium went, with many in 2½-inch pots.

PUEBLO, COL.—The business of the week in which Memorial day came was double that of a year ago, possibly largely due to fine weather. Twice as much bedding stock as last year was sold and all cut flowers were cleaned up. There was a brisk call for carnations at 75 cents a dozen.

ALTON, ILL.—Cut flower sales for Memorial day largely exceeded those of a year ago. The scarcity of pæonias and outdoor flowers in general gave the florists a chance to sell out their entire stock at fair prices. Joseph Krug says he was kept busy until the middle of the afternoon on Memorial day.

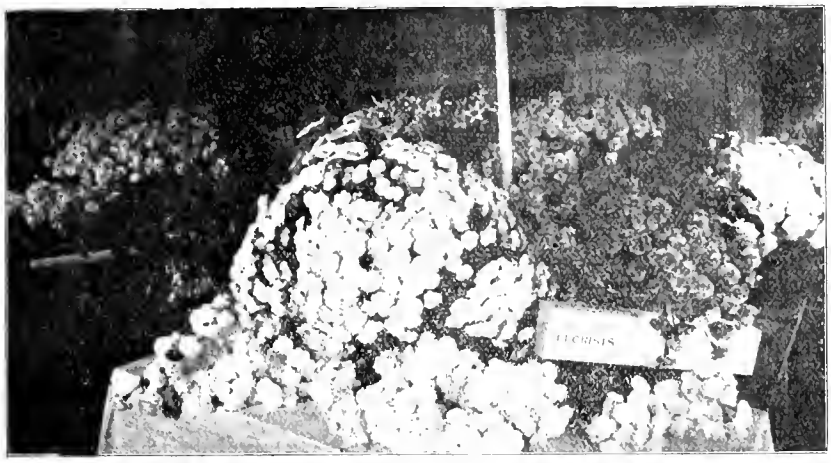
SCHENECTADY, N. Y.—Business is very good here this season, has been so all winter and spring. J. E. Felthousen says it is running double last year with him and that Memorial day was at least three times as heavy as usual. This may be in part accounted for by the late frosts, which cleaned up the outdoor stock and left the field clear for florists' material.

BINGHAMTON, N. Y.—S. G. Ellis thinks the only complaint as to the business of the last week of May is that sufficient stock was not obtainable. Because of late frosts there was little bloom on flowering shrubs, no pæonias and lilacs past. Carnations and roses were the principal cut flowers available and every potted plant was sold that had a flower.

BELLEVILLE, ILL.—E. W. Guy says that all the local florists shared in the good business for Memorial day and just preceding. He estimates sales as at least one-fourth larger than a year ago, with prices about at the level usual at the season. The demand for carnations was far greater than the supply. Bedding plants also sold well, good geraniums being scarce.

ROCKFORD, ILL.—Because of cold and unfavorable weather bedding out was scarcely begun before May 20 and everyone had all he could handle in the ten days before Memorial day, the bedding and vase filling in the cemeteries far exceeding any previous year. J. J. Soper figures the Decoration day business as twenty per cent greater than last year, all blooming plants being cleaned up. Geraniums in 2-inch pots sold at $1 a dozen and those in 4-inch at $1.50.

NEWTON, MASS.—Memorial day trade was only about sixty per cent as good as last year. F. W. Fletcher & Company report many inquiries but few sales of cut flowers. If they could have sold roses at 50 cents and good carnations at 25 cents per dozen, they say they could have done a land office business. The present high prices of necessities is undoubtedly causing a lessened demand for flowers. Mr. Fletcher thinks that if the trusts are not soon restrained there will be a lot of unhappy florists.



A DAY'S CUT OF FURROW BROS., GUTHRIE, OKLAHOMA.

Bo ton.

GROSS SALES OF MEMORIAL MATERIAL EXCEED CHRISTMAS AND EASTER RECORDS.—ALMOST ALL LINES CLEANED OUT. —SHORTAGE RELIEVED EARLY THIS WEEK —OVERSUPPLY NOW AT HAND.—SHRUBS IN BLOOM IN THE PARKS —FINE SHOW OF EARLY BLOOM.—WATER LILIES JUST BEGINNING.

Memorial day trade is still a timely subject and it is pleasant to be able to record that the great floral holiday went this year far beyond any previous record in the quantity and value of flowers sold in this section. Not only was it the greatest Memorial day on record, but the oldest wholesale house in Boston reports it as the biggest holiday of any kind in its history, over-topping by many hundreds of dollars any Christmas or Easter trade. To do this at the low valuation of flowers at this season required the handling of a quantity of material vast beyond the comprehension of anyone not on the spot and distant markets were heavily drawn upon for roses, pæonias and carnations. The usual Memorial day fate befell lily of the valley, of which large quantities were unsalable. Deutzia and astilbe, also white stocks, were badly left, too, there being entirely too much of this cheap white material exactly in season. Outside of these things the market was cleaned bare of about everything.

On Saturday, the day after the holiday, there was a sharp stringency in the early morning and stiff prices were realized for such material as was available, but as the day wore on values began to descend rapidly, until the close of the day, when they had nearly reached the vanishing point, since which time demoralization has held sway, the weather being exceedingly hot, and the product which had been retarded by last week's cold wave is coming in with a vengeance, the quality being inferior and showing the effects of the wilting temperature. The weddings and similar festivities have not yet "got a gait on" and it would seem that there is stock enough in sight to take care of any possible demand ten times over, as it is unlikely that growers of any extent will throw out their plants until after the school exercises are over. So, if anybody needs flowers of any kind he can depend on getting his wants supplied if he will confide his needs to any of our Boston advertisers.

Viburnum tomentosum, the most beautiful of all viburnums, of which plicatum is the sterile form, has been blooming regally in the parkway plantations during the past week. Viburnum Opulus is also flowering with unusual freedom and makes a glorious display. V. pubescens is another one, with numerous small white flowerheads, blooming at the same time. Many of the roses are now beginning to open, R. rugosa, R. cinnamomea and R. nitida leading the procession, which will make a gorgeous spectacle in about ten days. In the meadows along the Back Bay ferns, tamarisk has been planted freely and its feathery effect in bloom is very pleasing. Weigelas, Lonicera Morrowii and the hardy azaleas, particularly the gorgeous Azalea calendulacea, are among the other present attractions of the shrubbery borders.

The dogwoods and cercises are all through and the latest and best of the pyruses, Bechtel's double flowering crab, is just dropping its bloom, but many of the thorns are blooming on the fringe of the woodlands and they make a fine show. Rhododendrons are out fully a week ahead of their average blooming time. Among the early bloomers which seem to have withstood the hard winter without noticeable injury are Everestianum, F. L. Ames, Mrs. Milner, Chas. Bagley, Vardon, Atrosanguinea, Hannibal, Henrietta Sargent, Melton, Album elegans, Album grandiflorum and Lady Grey Egerton. Lady Armstrong is blooming perfectly, also, where the plants are alive, but several plants are wholly dead, the cause being not apparent. The variety is beautiful enough, however, to be retained.

The water lilies, just beginning to bloom in Wards' Pond, are a prime attraction for park visitors. The first to open are the Marliac hybrids and in a few days more of sunshiny weather there will be a host of flowers. On the edges of the pond clumps of white and yellow irises are blooming among the sedges, lythrums and other water-loving subjects.

New York.

DECORATION DAY BROUGHT A FAIR AMOUNT OF BUSINESS.—STOCK NOW ACCUMULATES WHILE QUALITIES RETROGRADE. —WHAT IS GOING ON IN MARKET.—CLUB MEETING MONDAY.—DOINGS OF GROWERS AND RETAILERS —MANY PERSONAL ITEMS OF VARYING INTEREST.—NOTES HERE AND THERE.

The weather has turned hot again and prices and stock are sharply on the down grade. On Saturday stock cleaned up fairly, coming, as it did, after a holiday, but this week, practically the first of summer, will be proverbial as to market conditions. The atmospheric changes of the past month have had their effect on roses and mildew is the rule rather than the exception. June weddings should help out to a certain degree, but the rank and file in general lines will go by the board. Top Beauties bring at times $15 per hundred; Bridesmaids and Brides, specials, $5; Golden Gates, $4 to $5; straight slips of roses 50 cents to $1 per hundred. Carnations are off, fancies selling slow at $1 per hundred and ordinary stock at 25 cents to 50 cents per hundred. Pæonias are received in large quantities and selling cheap. Smilax is selling fairly well and lily of the valley is doing as well as anything at $4

SHOW ROOM OF FURROW BROS., GUTHRIE, OKLAHOMA.

per hundred. A few hybrid roses are to be seen, and some outdoor Jacqs. are among the flotsam and jetsam. Orchids clear up, as there are few to be had, cattleyas having, as usual, the call. Decoration day passed off fairly well but the majority of the stores in the wholesale district were closed at 12 o'clock. "Decoration day ain't what it used to be," said an old timer. In fact the ordinary old timer would scarcely recognize the trade as it is to day.

John Scott, of Keap Street Greenhouse fame, is turning out an enormous quantity of stock at his greenhouses in Flatbush as well as at the old place at Keap street. The number of seedling ferns that will be in condition to offer next month is estimated at half a million and later on there will be 10,000 rubbers. Pandanus Veitchii, Dracæna Lindenii and a big shoal of seedling kentias are among the specialties that catch the eye of the visitor. Mr. Scott shows with much pride a new form of the Boston fern to which he has given the name of Nephrolepis exaltata Scottii. It is much more dense in growth than the type, of compact habit, and the fronds are narrow and graceful.

Frank H. Traendly, chairman of the outing and excursion committee, reports a steady increase in the demand for tickets. The outlook is bright for a large party. To speak in the vernacular, I understand he has a dark horse and unknown in training to accept the challenge of Theo. Lang, the contest to be bowled off at the Grove. The secretary also reports that contributions for prizes are being received, all the way from a pair of suspenders to a jackknife.

The regular monthly meeting of the New York Florists' Club will occur Monday evening, June 9, and President Sheridan reports that he has secured a temporary meeting room at the Civic hall, 128 East Twenty-eighth street, between Fourth avenue and Lexington, with the option of a lease. Important committees will make reports and preparations made for the trip to Asheville.

Charles Dards met with a serious accident last Sunday afternoon, while driving with his daughter and two friends at his home in New Rochelle. The horses shied at a trolley car and overturned the carriage, dragging Mr. Dards, who was clinging to the reins. He received a bad scalp wound and other contusions. Miss Dards, too, received some severe bruises.

Charles A. Bird, of Hallinan's, made two huge floral horseshoes this week for friends of Chas. F. Murphy, the Tamany leader. They contained over 1,500 roses, one being ten feet high and six feet broad, the other eight feet high. The big designs were delivered at Tamany Hall just before a meeting of the triumvirate of which the recipient is chairman.

Mr. Trumpore, the popular buyer for J. H. Small & Sons, is fondly exhibiting a white sport of the Lawson carnation. It is said that this is the second to be shown from two different places in this city. It is certainly a good thing as it has all the good attributes of its parent.

I regret to note the death of Max Lowenthal, on May 28, from pneumonia and a complication of diseases. He was well known in the trade, having been bookkeeper for Reed & Keller for over six years and lately with Maximilian Limprecht.

Isabel Louise Siebrecht, daughter of Henry A. Siebrecht, and William Stanley Munroe were married at Rose Hill, New Rochelle, N. Y., Wednesday evening, June 4. About 300 guests were present and the presents were both numerous and rich.

Those who have called on the redoubtable Louis Schmutz report him progressing very favorably. His only fears are that the recent accident will shorten his legs.

"Johnny" Kral, who has been on the sick list, expects to return to work with Mr. McConnell, of the New York Cut Flower Company, sometime during the week.

The New York Cut Flower Company announces that on and after June 15 and during the summer months they will close at 4 o'clock in the afternoon.

C. B. Weathered left on Wednesday for an extensive western business trip.

Visitors: J. S. Wilson, Chicago; R. E. Loeben, Gloversville, N. Y.; Benj. Dorrance, Dorranceton, Pa.

Chicago.

MEMORIAL DAY MAKES A PLACE FOR MORE CUT FLOWERS THAN EITHER CHRISTMAS OR EASTER.—LOW PRICES THE ONLY FAULT TO BE FOUND.—ROSES TOO SOFT TO SHIP AND CARNATIONS AVERAGE LOW BUT AGGREGATE OF SALES AHEAD OF LAST YEAR.—SHIPPING DEMAND VERY HEAVY.—STOCK NOW ON THE IMPROVE.—PÆONIAS THE FAVORITE FLOWER.—JUNE PROMISES WELL.—DOINGS OF VARYING INTEREST.

The summing-up shows that Memorial day is entitled to first place as to quantity of flowers consumed this year. None of the holidays touch it—Christmas or Easter—only it does not run into so much money. Every house in town had all the business it could handle and at the last minute the rush of telegraphic orders precluded anything like exact meeting of requirements. It used to make the wholesalers fear for the safety of their trade if they couldn't fill holiday orders, but now, bearing in mind that practically every house is in the same situation, they feel comforted when the total of the season's business is ahead of expectations, and this was very generally the case at Memorial day, although most of the houses were practically without roses fit to ship and did not attempt to meet this portion of the demand. Another feature which makes the aggregate of sales more surprising was that carnations averaged a full dollar a hundred less than they did a year ago. There were larger quantities at hand than ever before, and on advance orders the requirements were less than usual, but as the condition of the rose market became apparent and pæonias ran low the buying became very heavy and a good many late orders went unfilled in some houses, although buying was checked the moment the price was put above $2 per hundred for ordinarily good stock. By closing time on Friday all the odds and ends were pretty well cleaned up and Saturday brought a brisk market, carnations selling above the Memorial day level. But it required only a day or two for the market to become heavily stocked again in all lines, although trade continued brisk. City business has been fair and shipping demand heavy, with the result that the good roses, and the average quality shows considerable improvement, have been well taken up. Carnations have not been able to maintain their position and prices are again pretty low on clean-up sales. Pæonias are plentiful and selling well but such a large proportion of the receipts are open and too soft to ship that there is a wide divergence in prices. Few cape jasmines are now seen. They suffered severely this year because of the large supply of carnations. For ferns the trade is for the moment dependent upon the Michigan crop.

Joliet has been under water this week and railroad communication interrupted but J. D. Thompson reports all the florists safe and dry. The creek near the Thompson range and that of the Chicago Carnation Company was so swelled by the cloud burst that it was four feet higher than was ever known before, but it didn't affect the greenhouses.

The George Wittbold Company is making good progress on its new range of glass just outside the city. Heretofore they have sold the dealers much stock for growing on, but in the future they propose to also be in position to handle the constantly increasing call for palms and ferns of the larger sizes.

P. M. Broadbeck, at Evanston, says he never had anything like his present trouble with thrips. He thinks he is investing as much in fumigants as the crop will be worth at the present state of the rose market, and apparently without seriously inconveniencing the thrips.

This is pæonia week at the Peterson nursery and open house will be kept, as usual. The early prospect was for unusually good blooms but the unfavorable weather has worked some injury. They have had wonderful tree pæonias and very fine irises this spring.

The wholesalers in the Atlas block had a narrow escape on Sunday, June 1, from fire which originated in that portion of the building the basement of which is occupied by McKeller & Winterson. Prompt work by the fire department saved the property.

George Asmus, with Mrs. H. Schiller, at 899 West Madison street, says that the plant trade for Memorial day was about as last year but that cut flower sales advanced twenty to twenty-five per cent.

C. J. Stromback has practically completed the bedding at Lincoln Park. Some 150,000 plants were used, principally geraniums, and besides the beds large numbers of lawn vases were filled.

Genevieve Lord is one of the best carnations now coming into this market. All the reds except one show the effects of the heat. E. C. Amling says America seems to enjoy the summer temperature.

The roses on the Wooded Island at Jackson Park and in the new sunken garden at Washington Park will be at their best within the next two weeks. The plants are in fine shape.

The teamsters strike was beginning to give concern to the wholesale florists, for some of them were running out of shipping boxes and their source of supply was shut off.

E. E. Pieser says that it is noteworthy the way the call for pæonias increases from year to year. It has come to be the leading flower in this market in June.

John Degnan who returned to Chicago from New York early last week, has retired from the firm of McKellar & Winterson Company.

Paul Goerler, who has been with C. W. Ward, at the Cottage Gardens, Queens, N. Y., is now with Bassett & Washburn, at Hinsdale.

Mrs. J. P. Hauswirth, who has been seriously ill is now improving slowly, though still confined to her room.

Henry Wehrman, of Maywood, is sending in some Genevieve Lord carnations with forty-inch stems.

Stollery Bros. are adding to their premises a two-story flat and store.

The old P. J. Saunders place, at Fiftieth street and Cottage Grove avenue, is being dismantled.

Visitor: John Willus, of Danville, Ill.

Philadelphia.

RETAILERS HAVING THEIR HANDS FULL WITH COMMENCEMENT WORK.—OUTDOOR FLOWERS ON THE WANE.—WARM WEATHER AFFECTS STOCK.—ALL ABOUT PRICES.—CLUB HOLDS BUSINESS SESSION AND SMOKER.—PLANS FOR TRIP TO ASHEVILLE.—BIG BUSINESS IN OUTDOOR STOCK.

This has been commencement week and the orders for flowers for the graduates show no falling off, as everybody seems to have had his hands full keeping up with the demand. A warm spell has set in and this has used up the pæonias, snowballs and other outdoor blossoms. It is also having its effect on the roses and they are getting smaller and lighter in color, particularly the Brides and Bridesmaids. Beauties are still good, also plentiful. Carnations are holding their own and sell well. Prices range as follows: Beauties $1.50 to $2 per dozen; teas $4 to $8 per hundred; carnations $1 to $2; sweet peas, which are now much in demand, 50 cents to 75 cents per hundred; lily of the valley $3 to $4 per hundred.

The June meeting and smoker of the Florists' Club was quite a success. The business of the meeting was getting ready for Asheville and the paper of Geo. C. Watson, who gave a very entertaining account of his trip to Boston. He made a happy allusion to the landscape gardening work of the two communities and the various influences that had made them leaders over other cities in this respect. The straight car fare to the convention will be $20 and a fraction. A communication was received from the Baltimore club inviting the Philadelphia delegation to come to Baltimore the night before and proceed the next morning with the Baltimore brethren via the Chesapeake Bay route to Norfolk and thence by rail. Arrangements are not far enough ahead, however, to take any action on this at present. The smoker annex was all right and all hands who could pulled away at the pipe and sampled "Johnnie's" punch and lemonade ad libitum. The games were well patronized and everyone seemed to have a royal good time.

The Pennsylvania Horticultural Society has just issued its schedule of classes and prizes for the annual exhibition, November 11 to 15, also appending a list of seedsmen's and other premiums offered for competition at the monthly meetings of the society. Those desiring a copy of the pamphlet can obtain it by addressing David Rust, Secretary, Horticultural Hall, Broad street below Locust.

Bedding plant men are about all sold out. It has been a great season for them. The nursery men have also had a great business. Thos. Meehan's Sons say their sales have increased wonderfully and taxed their increased facility to the utmost to meet the demands of the trade.

Those who take palms to board now keep their wagons on the go, gathering up the boarders, and a motley crowd they make when gotten together. About half are ready for the dump and it requires great manoeuvering to return them in the fall, please their owners and come out ahead.

George Anderson is cutting some nice Carnots, which seem to get better as the warm days come on. K.

Cleveland.

CALL FOR STOCK GREATLY EXCEEDS RECORDS OF PREVIOUS YEARS.—EASTER WOULD HAVE BEEN ECLIPSED HAD STOCK BEEN AVAILABLE.—BOTH CUT FLOWERS AND BLOOMING PLANTS SHORT OF REQUIREMENTS.—PROPOSITION TO POSTPONE MEMORIAL DAY FOR TWO WEEKS.

Never before has this market experienced such a demand for flowers for Memorial day as that which has just passed. The local and out of town call was fully double that of other years. The stock on hand was entirely inadequate to meet the demand. The result was a great deal of disappointment all around, more especially on the part of the out of town buyer. All orders coming in had to be cut in half and in a great number of cases orders were refused entirely. Owing to a hot wave the week previous, flowers were rushed on the market by the wagon load and everything was badly overstocked. Everybody predicted that should a cool spell set in Memorial day would find this market pretty bare of flowers and this is precisely what occurred. Not only did the cut flower market suffer, but the plantsmen also. Double the quantity of plants could have been disposed of had they been in bloom. Other seasons shrubbery flowers and pæonias helped out. This year there were scarcely any to be had. What few shrubs were in bloom were spoiled by rains and thrips, and the pæonias were not in, at least, not enough to cut any figure. Had there been sufficient stock the total sales would have equaled if not exceeded those of Easter. The June business promises to be good, but good stock, especially roses, will be scarce. The weather has just been right for field carnations and as a rule they are looking fine.

Quite a discussion was indulged in by several of the members at the last club meeting as to getting the consensus of opinion of the florists throughout the country as to the advisability of bringing the matter before congress in the shape of a petition from the Society of American Florists to have the date of Memorial day changed from May 30 to June 15, thereby giving the florists more time and a better chance to get their stock in more salable condition for that event. The claim is made that owing to the lateness of spring throughout the middle and western states the time between the opening of the bedding season and Memorial day is insufficient. All the work of a month or more has to be crowded into a couple of weeks. The consequence is that justice cannot be done by florists, either to their patrons or themselves. While those interested here have no hopes of ever having a custom changed that has been established thirty odd years, yet they would like to have the opinion of others on the subject.

ECHO.

Detroit.

TRADE FOR MEMORIAL DAY SHOWS SUBSTANTIAL INCREASE EACH YEAR.—THIS SEASON MUCH THE BEST OF ALL.—STOCK COMPLETELY CLEANED UP.—CLUB MEETING.—ROSE GROWERS FIGHTING THRIPS.

With each recurring year the importance and extent of Memorial day trade is more noticeable. This year, the weather, which was extraordinarily fine, was largely responsible for the substantial increase of business over that of a year ago. Shipping to the smaller towns throughout the state was a marked feature which affected the trade of nearly all the retailers. It was difficult in many cases to completely fill the orders and this was especially true of roses, which were quite short of the demand. The entire loss of outside flowers except lily of the valley resulted in heavier demand upon greenhouse stock, which was soon exhausted. In plants, too, everything in bloom was easily disposed of and in many instances orders could not be satisfactorily filled.

Nearly every rose grower of Detroit and Mt. Clemens is seriously annoyed by thrips on the roses. This pest was heretofore but little known here but its ravishes at present are so extensive and destructive that its victims are much alarmed, leaving nothing undone to avert further damage.

Frank Beard presided at the club meeting Wednesday evening. The attendance was good, as usual, and the time was devoted chiefly to the discussion of the troublesome thrip. Arrangements were made for a fishing outing up the lakes next week and the trip to Asheville in August was also a theme of interest, the party going from here promising to be quite large.

C. H. Plumb is about to build two houses each 27x88 for roses, also a new boiler room 20x60.

F. Gutschow & Son, Mt. Clemens, are building two houses 30x112 for carnations.

Theo. Dameron, of Grosse Pointe, is about to rebuild two houses each 20x90.

J. F. S.

Indianapolis.

JUNE MEETING OF THE STATE SOCIETY VERY SUCCESSFUL.—VARIOUS DOINGS OF INTEREST.—MEMORIAL DAY TRADE WAS HEAVY.—BEDDING OUT PRACTICALLY COMPLETED.

The club meeting of June 3 was one of the best we have had for a long time. President J. A. E. Haugh, of Anderson, presided. The amendment to the by-laws, as proposed by the committee, was voted on and accepted. It was also decided to have a directory of all members in good standing printed once a year, to be distributed among all Indiana florists. Following Fred. Hukriede's timely suggestion, Billingsly, Hukriede and Junge were appointed a committee to arrange for a family outing, to report at next meeting. One member objected to the white pine flavor which has heretofore always been a feature of our lemonade. He therefore suggested that old tubs be provided instead of new ones. Complaint has reached the association from Louisville that the Jeffersonville prison greenhouses sell flowers in competition to Louisville florists. On a motion of John Hartje the secretary was instructed to investigate. As usual at our June meeting Harry Balsley, of Detroit was our guest. All were very glad to see him looking as well as ever after his illness.

Memorial day business was very satisfactory all around. It is safe to say that no cut flowers remained unsold. Along in the middle of May things looked very blue for the cut flower grower. A good percentage of the stock could not be disposed of at any price. The stores likewise experienced a very dull time about the middle of last month.

John Bertermann has returned from California where he found his brother, William G. Bertermann, improved in health.

Robt. McKeand is now with the Indianapolis Flower and Plant Company.

H. J.

THE AMERICAN FLORIST

SEVENTEENTH 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.

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.

Cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

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-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., Chicago.

PUT the young rubbers in a well prepared bed outdoors and see them stretch.

THE growers are making preparations to turn out a few more hundreds of thousands of Boston ferns by fall.

THE early promise of particularly good pæonias this spring has been blighted by the changeableness of the weather.

ON another page will be found Frederic W. Taylor's official announcement of the postponement of the St. Louis World's Fair to 1904.

THOSE growers who have by now succeeded in working off their surpluses of small latanias, as premiums in the tea stores, are now stocking up on kentias.

THE mailing label on your paper shows when your subscription expires; when you send your renewal note that the date changes within two weeks; it will serve as your receipt.

IN our notes on Clematis Indivisa, issue of May 31, we omitted to state that the accompanying illustration was prepared from a photograph supplied by Henry A. Dreer, of Philadelphia. This firm has been handling the plant for the past two seasons.

IT is the consensus of opinion that Memorial day has now become the greatest flower consuming occasion of the year, largely exceeding both Christmas and Easter in the quantity of stock required to satisfy demands. But it is not a day for high prices, both because of the season of the year and the use to which the material is put. This year the volume of business was everywhere greatly in excess of last year, partly because outdoor flowers were scarce, partly because of fine weather and partly because the people have money and have acquired the habit of leaving some of it with the florists.

The Iron Gutter Patents.

ED. AM. FLORIST:—I notice in your last issue that Geo. M. Garland comments on my advertisement regarding "iron gutter patents," which refers to his illustrated advertisement in your issue of March 8, 1902. I have a patent upon the gutter that was illustrated in Mr. Garland's advertisement published in your aforesaid issue of March 8, 1902. The patent is No. 661870, dated November 13, 1900. In justice to Mr. Garland I wish to state, however, that the date in my advertisement of "iron gutter patents" should have been changed, but in the pressure of work this was overlooked. E. HIPPARD.

Youngstown, Ohio, June 3, 1902.

Worth An Extra Man.

ED. AM. FLORIST:—Enclosed find check for $2 for subscription to two copies of your paper. We cannot do without it; can better spare one man than be without the FLORIST. A. E. LUTEY.

Calumet, Mich.

Coming Exhibitions.

[Secretaries are requested to supply any omissions from this list.]

BOSTON, MASS., September 11-14, 1902.—Annual exhibition of plants and flowers Massachusetts Horticultural Society. Robert Manning, Sec'y, Horticultural Hall, 300 Massachusetts avenue.

BOSTON, MASS., November 6-9, 1902.—Chrysanthemum show Massachusetts Horticultural Society. Robert Manning, Sec'y, Horticultural Hall, 300 Massachusetts avenue.

CHICAGO, ILL., November, 1902.—First annual exhibition Chrysanthemum Society of America and twelfth annual exhibition Horticultural Society of Chicago, to be held jointly. E. A. Kanst, Assistant Secretary, 5700 Cottage Grove avenue, Chicago.

MADISON, N. J., November 6-7, 1902.—Seventh annual flower show Morris County Gardeners' and Florists' Society. C. H. Atkins, Sec'y, Madison, N. J.

NEW YORK, N. Y., October 30-November 6, 1902.—Annual exhibition New York Florists' Club. John Young, Sec'y, 51 W. Twenty-eighth street.

PHILADELPHIA, PA., November 11-15, 1902.—Annual autumn exhibition Pennsylvania Horticultural Society. David Rust, Sec'y, Horticultural Hall, Broad street below Locust, Philadelphia.

PROVIDENCE, R. I., November 13-14, 1902.—Chrysanthemum exhibition Rhode Island Horticultural Society. C. W. Smith, Sec'y, 27-29 Exchange street, Providence.

TARRYTOWN, N. Y., November 11-13, 1902.—Fourth annual exhibition Tarrytown Horticultural Society. Edw. W. Neubrand, Sec'y, Tarrytown, N. Y.

Greenhouse Building.

Marlborough, N. Y.—States Searles, one house.

Belfast, Me.—Willis E. Hamilton, house 20x65.

Kutztown, Pa.—Geo. B. Kohler, one house.

Gloucester, Mass.—A. B. Tuck, one house.

Walla Walla, Wash.—Phillips Floral Company, carnation house.

San Francisco, Cal.—Gustave Gagne, house 20x100.

Utica, N. Y.—A. W. Rowlands, two rose houses 20x100. F. J. Baker, two houses 28x100.

Guthrie, Oka.—Furrow Bros., house 16x100.

Helena, Mont.—State Nursery Company, twelve houses 16x130.

East Rochester, N. H.—Chas. Bradley, two houses.

Brooklyn, N. Y.—C. J. Wilson, conservatory.

A Question of Piping.

ED. AM. FLORIST:—I have a house fifty feet long heated by 2½-inch hot water flows overhead and 1½-inch returns on the side. The water circulates well. If I should make the house fifty feet longer would the water circulate as well in that size of returns, or would it be better to put in 2-inch pipes for returns? I like the 1½ inch pipes, as they are easily heated, containing less water. I intend to build three connected houses 100 feet long and nineteen feet wide, running east and west, short span to south, five-foot side walls, about thirteen feet to ridge. I want a night temperature, when it is 10° below zero outside, of 60° in No. 1 house, 50° in No. 2, and 40° to 45° in No. 3. Flows will be overhead, of proper size, returns on side walls. How many returns will I want on each side of each house to have the desired temperature if I use 1½-inch pipe, and how many would be required if I use 2-inch pipe? H. E. B.

When the flows are overhead 1½-inch returns can be used in a house 100 feet long, provided there are no more than seven returns for each 2½-inch flow. For the new houses there should be two 2½-inch flows and the following number of returns: No. 1, seven; No. 2, five, and No. 3, four, on each side. For the same houses with 2-inch returns, the number should be six and four for Nos. 1 and 2, and in No. 3, four pipes on one side and three on the other, if 45° is desired. Three on a side will answer for 40°.

L. R. TAFT.

Piping Three New Houses.

ED. AM. FLORIST:—I am erecting three new houses 30x100, using the iron gutter and post construction. In one house I shall grow roses, in the two others carnations, and wish to ask about heating. I have a No. 3 Kroeschell boiler, 3 000 square feet of hot water radiation. Will this take care of the three houses? How deep should the boiler be set? How many and what size of pipes shall I need in each house and how arranged?

M. J. W.

The amount of radiation required will depend something on the amount of glass in the roofs and outside walls as well as on the minimum outside temperature, but for average conditions it will be slightly in excess of 3,000 square feet and, as a slight excess in boiler capacity is always desirable for economy in fuel and care, it would be better to have a boiler capable of handling 4,000 feet of radiating surface. For the rose house three 2½-inch flow pipes and sixteen 2-inch returns will be needed for a zero temperature if there is thirty-six feet of glass in the roof measured over the ridge. If there is more than this, or if there is exposed glass in the wall, one additional return will be needed for every two feet of glass. For the carnation houses the same number of flows will be needed, with three less returns. The location of the pipes will depend upon the arrangement of the benches, but it is a good plan to have one-third on each of the walls and the others distributed under the benches. The top of the boiler should be below the level of the floor, if possible.

L. R. TAFT.

St. Paul.

MEMORIAL DAY BUSINESS VERY GOOD.—MUCH BEDDING AND MANY WINDOW BOXES KEEP UP THE SUPPLY OF BLOOMING PLANTS.—CUT FLOWERS SELL BRISKLY.—WEATHER FAVORABLE.—DOINGS OF AN ORCHID COLLECTOR.—NOTES HERE AND THERE.

Another milestone in the florists' trade has been passed and Decoration day, 1902, stands out prominently as one of the best if not the very best on record. The weather was perfect, stock of good quality and abundant, shoppers plentiful and the weather fine. Everyone has been busy early and late for the past two weeks. Bedding, window boxes and lawn vases have been filled and the first of June finds nearly all outside work done and nearly all stock exhausted. A few belated jobs will be finished up and then repairs and replanting for another season will be in order with the growers. The greatest demand in the plant line has been for geraniums. Cannas, verbenas, coleus and pansies have also sold well. For boxes and vases geraniums,

lobelias and vincas have been used. Prices have been better than for several years. In cut flowers big sales were reported. Everything was in good demand. The only outside flowers to be had were some snowballs and valley.

Carnations sold extremely well, also roses. Stock was of uniformly good quality. Those who do a shipping trade report an increase of nearly 100 per cent over 1901 sales.

Dr. Schiffman, of orchid fame, has returned from a three months' trip to the Philippines and Japan, bringing with him the largest collection of phalænopsis ever imported to this country. The collection consists of over 1,200 plants and all are showing new growth. In addition to these he brought over several hundred rare specimens of other varieties. His collection now contains about 4,000 plants. Mr. Whatton, an expert grower from England, is in charge of the place. Hybridizing on quite an extensive scale is done and an accurate record kept of all crosses. At present there are several varieties of cattleyas in bloom, also ærides, dendrobiums and cypripediums.

R. C. Seeger is cutting some fine Beauties from young plants. He has a plant stand outside and a cut flower stand inside a large department store and reports very satisfactory sales.

L. L. May & Company are cutting very nice Carnot and Kaiserin roses from early planted stock. They report spring sales the largest in the history of their business. FELIX.

OBITUARY.

HENRY ARDEN.

Henry Arden, well-known as a florist and landscape gardener about Winchester, Va., died May 26, from the effects of injuries sustained four days previously, when he fell and fractured his hip. He was born in Woebley, England, 76 years ago. At one time he was proprietor of the Grafton (W. Va.) Hotel. A widow survives him.

PONTIAC, ILL.—W. J. Miller is preparing to tear down a part of his plant and replace it with three new houses 30x100, erected on land a few blocks east of his present location. He will continue the salesroom and packing room as heretofore, running the two plants jointly.

LYNN, MASS.—On June 2 the Houghton Horticultural Society held a public entertainment in Park Hall. Superintendent Wm. Stone, of Pine Grove Cemetery, gave an interesting talk on gardens. The twenty-sixth annual exhibition will be held on September 23 and 24.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (six words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1902 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—By a first-class all-around florist. A 1 references. Address F P, care American Florist.

SITUATION WANTED—By Aug. 1st, in the orchid shipping business by young man, age 20. Three years' experience as a florist. Address ORCHID, care American Florist.

SITUATION WANTED—By young man in commercial place, American, married, 5 years' experience. A1 references. Address HUSTLER, care American Florist.

SITUATION WANTED—By good all-around florist and gardener. Permanent place wanted. Address K W, 656 W. Van Buren St., Chicago, Ill.

SITUATION WANTED—As foreman and propagator; have had more than 25 years' practical experience growing palms, ferns, cut flowers and early forcing. W H, Station A, Cincinnati, O.

SITUATION WANTED—As foreman and grower of cut flowers and plants. Have been foreman with prominent florists around Chicago for a number of years. Address FLORIST, Box 54, Hinsdale, Ill.

SITUATION WANTED—As foreman by thoroughly practical florist. Good decorator, designer, etc. Grower of No. 1 roses, carnations and 'mums. First-class commercial or private position. Good wages expected. Address G. FOREMAN, care P. O., Canton, O.

WANTED—Florist, as helper. Good wages. Address B F, care American Florist.

WANTED—The address of Charles Handel. Address E. R. GESLER, Galesburg, Ill.

WANTED—Married man, good gardener and greenhouse man for country place. MRS. P. R. KING, Delavan, Wis.

WANTED—Young man with some experience to work in greenhouse. FLORIST, 89 Wendell St., Battle Creek, Mich.

WANTED—Industrious young man with some experience, as assistant florist. Good pay with board for steady, competent party. Address GEO. SOUSTER, Elgin, Ill.

WANTED—1,000 feet of 4-inch cast iron pipe in good condition. Also a hot water heater. Give full description and price. Address I. L. PILLSBURY, Galesburg, Ill.

WANTED—A good florist for a commercial place of 35,000 feet of glass, principally roses. Wages $10 per week. Apply with refer nces to CHRIST. HANSEN, St. Paul, Minn.

WANTED—Young man to learn the greenhouse business, growing of roses and carnations. State age. Apply to JOHN L. WYLAND, De Haven, Pa.

WANTED AT ONCE—A No. 1 chrysanthemum grower, to take charge of department. A steady position to the right man. Address NANZ & NEUNER, Louisville, Ky.

WANTED—Good grower and all-around plantsman; married man preferred. AUG. MIHRING, Winstanley Park, East St. Louis, Ill.

WANTED—Rose growers and helpers; also one man that understands growing chrysanthemums. The highest wages and steady work. BASSETT & WASHBURN, Hinsdale, Ill.

WANTED—A Carmody return flue hot water boiler or sections; or will exchange a nine-section Carm dy boiler for another larger boiler. Also 3-inch or 4-inch cast iron pipes wanted. C. C. WONNEMAN, Mexico, Mo.

WANTED—A young man for retail florist place; must be well posted on ferns and palms; not afraid of work, and have A1 references. Address H. F. HALLE, 548 West Madison St., Chicago.

WANTED—Hot water boiler, capable of 3,000 to 4,000 feet of g ass. Give all particulars, number and make, how long used, condition it is in, etc. Price f. o. b. Wilton. Address JOHN BEIMFORD, Wilton Junction, Iowa.

WANTED—An all-around florist, capable of growing first-class roses, carnations and general stock. Must be sober, industrious and reliable. State wages wanted with board and room. Reference. Address S E H, care Florist.

WANTED—A first-class carnation grower to take charge of place. Best references required as to ability, character and sobriety. Must be single. Wages $60 per month and room. Address CARNATION GROWER, care Am. Florist.

WANTED—At once a reliable florist, must be sober, honest and a good worker; one who is capable to take full charge of medium size place and grow a general collection of plants and cut flowers for retail store trade. State wages with board and send good references of recent date in first letter. Good wages and steady place to right man. FRED J. KING, 220 Madison St., Ottawa, Ill.

FOR SALE—Bargain, second-hand rafters; also steam pump, 2-inch suction, 1½-inch discharge. R C, care American Florist.

FOR SALE—Prosperous, up-to-date, growing florist business; established 12 years. Address for particulars, MRS. S. N. ALKIRE, Greenview, Ill.

FOR SALE—At a bargain, greenhouses, 25,000 feet of glass, land and good dwelling house, barn, etc., in best of condition and well stocked; near Chicago; owner going into other business. Address H G, care American Florist.

FOR SALE—Greenhouses and dwelling (no stock) centrally located in city of 4,500. Long established paying business; no competition; 3,200 feet of glass. Cause death of owner. MRS. MARY BEZNER, Extrix., Jerseyville, Ill.

Notice to the Trade.

The undersigned hereby informs the trade that he retired from the McKellar & Winterson Company, of Chicago, Ill., May 31, 1902. JOHN DEGNAN.

CHICAGO, JUNE 2, 1902.

GLASS FOR SALE!

150 boxes A No. 1 double strength GLASS, 24x16, new, never used, $4.60 per box.

CASH WITH ORDER.

GUNNAR TEILMANN, MARION, IND.

C. S. FITZSIMMONS

OF LANSING, MICH.

Offers his Greenhouses for sale at 75 per cent of actual cost. Well stocked and splendid trade. Or will entertain a partnership or stock company proposition. New Red Rose Queen Madge ready to disseminate. Only people of ability, integrity and some means requested to answer early.

For Sale at a Bargain

Greenhouses, 25,000 square feet of glass, all in good condition and paying well; within 20 miles of Chicago. Owner is going to retire from business. Address F S, care American Florist.

Second HAND BOILERS and Pipe.

5 No. 16 Hitchings Boilers in good order, with New Grates and Fire Bricks. Also 6,000 feet 4-in. cast iron extra heavy pipe, 9 feet lengths, ells, tees and Expansion Tanks.

Cheap for Cash.

W. A. Hammond

107 E. Broad St., Richmond, Va.

If you want to get the want you want to get, you want to get your want ad into the

AMERICAN FLORIST

Try it now.

Every advertisement represents a genuine want. It pays to answer them.

PRICE LIST.

BEAUTIES.	Per doz.
Long stems	$2.50 to $3.00
Medium stems	1.50 to 2.00
Short stems	.75 to 1.00
	Per 100
Brides	$4.00 $6.00
Maids	4.00 6.00
Meteors	4.00 6.00
Gates	4.00 8.00
Carnations	2.00 2.50
" large and fancies	3.00
Lilium Harrisii	10.00 12.50
Sweet Peas	.50
Valley, select	4.00
Valley, outdoor	2.00
Asparagus Plumosus, per stg.	.50 .75
Asparagus Sprengeri	3.00 4.00
Ferns, per 1000, $2.50	.25
Galax, per 1000, $1.25	.15
Leucothoe sprays	1.00
Adiantum	1.00
Smilax, per doz.	1.50 2.00

Prices subject to change without notice
Above prices are for first-class stock.
Lower grades billed accordingly.

Paeonias

ALL CHOICE VARIETIES
THE BEST IN CHICAGO.

Festiva Maxima

$6 00 per 100,

Other Sorts, $3 to $4 per 100.

J. B. Deamud,

51-53 Wabash Ave.
..CHICAGO..

COMMISSIONS CARRIED OUT IN LONDON

or any part of Great Britain.

Messrs. WILLS & SEGAR will attend to any commission from American florists for the supply of Cut Flowers, Birthday Flowers, Bouquets, High Class Floral Designs, etc., to their clients who may be traveling in England.

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ROYAL EXOTIC NURSERY,
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FLOSCULO, LONDON. LONDON, ENGLAND.

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The only special newspaper in the world for floral arrangement.

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J. OLBERTZ, ERFURT, GERMANY

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For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO.,
.....324 Dearborn St., CHICAGO.

American Florists Ads

Always do business,
Week days and every day
Sundays and holidays,
All over the country,
At home and abroad.

Wholesale Flower Markets

MILWAUKEE, June 5.

Roses, Beauty, long, per doz.	2.50@ 3.00
" " med. "	1.00@ 1.50
" " short "	.50@ .75
" Liberty	6.00@10.00
" Bride, Bridesmaid	3.00@ 5.00
" Meteor	4.00@ 6.00
" Golden Gate	3.00@ 5.00
" Perle	3.00@ 5 00
Carnations, ordinary	1.00
" fancy	0
Paeonias, per doz., 50c to $1.00	
Harrisii	10.00
Lily of the valley	4.00
Adiantum	.75@ 1.00
Smilax	18.00@20 00
Asparagus	65.00
Common ferns	.25

PITTSBURG, June 5.

Roses, Beauty, specials	20.00@25.00
" " extras	12.00@15.00
" " No. 1	4.00@ 6.00
" " No. 2	2 00
" Bride, Bridesmaid	1.00@ 4 00
" Meteor	1.00@ 4 00
Carnations	1.00@ 2 00
Paeonias	4.00@ 6.00
Lily of the valley	2.00@ 3.00
Harrisii lilies	8 00@10 00
Daisies	.50@ 1.00
Sweet Peas	.20@ .50
Smilax	12.00@15.00
Adiantum	.75@ 1.00
Asparagus	35.00@40.00

CINCINNATI, June 5.

Roses, Beauty	10.00@25.00
" Bride	2.00@ 4.00
" Bridesmaid	2.00@ 4 00
" Meteor	2.00@ 4.00
" Perle	2.00@ 3.00
" Liberty	2.00@ 4.00
Carnations	1.00@ 2.00
Lily of the valley	3.00@ 4 00
Sweet Peas	.50@ .75
Longiflorum lilies	10.00
Asparagus	50.00
Smilax	15.00
Adiantum cuneatum	1.00
Common ferns	.15

ST. LOUIS, June 5.

Roses, Beauty, short stem	5.00@12.50
" " long stems	15.00@25.00
" Bride, Bridesmaid	2.00@ 5.00
" Meteor	2.00@ 5.00
" Golden Gate	2.00@ 6.00
Carnations, ordinary	1.00
" choice	1.50
Sweet peas	.25@ .40
Lilies, Candidum	6 00@10.00
Smilax	12.50@15.00
Asparagus Sprengeri	1.00@ 1.50
" Plumosus	1.00@ 1.50

Trade Secret Simple method for preserving cut flowers in all their beauty for 15 to 30 days. Never fails. Sent for 25c.

A. C. Mercer, Jr., New Bedford, Mass.

Please mention the American Florist when writing

E. H. Hunt,

WHOLESALE.....

Cut Flowers

THE "OLD RELIABLE,"

76 Wabash Ave., CHICAGO.

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in **Cut Flowers**

All telegraph and telephone orders given prompt attention.
GREENHOUSES: Morton Grove, Ill.
35-37 Randolph Street, CHICAGO, ILL.

The Cincinnati Cut Flower Co.,

437-439 Main St. CINCINNATI, O.
WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

MICHIGAN

Cut Flower Exchange,

WM. DILGER, Manager,
WHOLESALE COMMISSION.

Full line of Florists' Supplies and Decorations.
Special attention to shipping orders.

26 Miami Avenue, DETROIT, MICH.

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WHOLESALE FLORISTS and FLORAL SUPPLIES.

Receivers and Shippers of Fresh Cut Flowers.

Special attention to shipping orders. A complete line of Florists' needs. Send for price list. Prompt returns on all consignments.

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C. A. KUEHN, Wholesale Florist,

1122 PINE STREET.
ST. LOUIS, MO.

A complete line of Wire Designs.

Pittsburg Cut Flower Co. Ltd

WHOLESALE FLORISTS.

Pittsburg, Pa.

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Wholesale Florist

1322 Pine St., ST. LOUIS, MO.

Frank M. Ellis,

WHOLESALE FLORIST,

1316 Pine Street, ST. LOUIS, MO.

CONSIGNMENTS SOLICITED.

We are particularly strong at present on our supply of

Shipping Stock

While Beauties and Tea Roses are not up to winter grade, our cut runs the best coming to this market and we expect to maintain our advanced position right through the season of June weddings and commencements. Plenty of Paeonias, Carnations, Smilax, Valley and Orchids. Send us your order.

E. C. Amling

The Largest, Best Equipped and Most Centrally Located Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St. CHICAGO.

L. D. PHONES CENTRAL 1999 AND 1977.

PRICE LIST.

BEAUTIES.		
30-36-inch stems, per doz.,		$3.00
24 " " "		2.00
20 " " "		1 50
16 " " "		1.00
12 " " "		.75
6 to 8-in, " per 100	$4.00	5.00
		Per 100
Brides	$4 00	6.00
Maids	4.00	6 00
Meteors	4 00	6.00
Gates	4.00	6.00
Carnations	1.00	1.50
" large and fancies	2 00	3 00
Callas, per doz.,	1.00	1.25
Pæonias	3 00	6 00
Sweet Peas	.75	1.00
Valley, select		4.00
Marguerites	.50	.75
Asparagus plumosus, per stg,	60	.75
" Sprengeri	3.00	6 00
Galax " 1.25;		.15
Ferns, new, per 1000, $2.50		.25
Adiantum		1.00
Smilax per doz.,	1.50	2.00

Prices subject to change without notice

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

HINSDALE! HINSDALE!

A new crop of **HARDY CUT FERNS, Fancy or Dagger,** now ready for the market. Where can you buy them cheaper? In 1,000 lots 50c per 100; in 5,000 lots, 45c per 1000; in 10,000 lots, 40c per 1000. Goods to be guaranteed or no money required. This is my summer price and I hope all florists will patronize where they will get the best bargain. **Laurel and Princess Pine Roping,** good stock **Sphagnum Moss,** finest in the market, 50c per bbl. All orders by mail or dispatch promptly attended to.

THOMAS COLLINS, Hinsdale, Mass.

A. L. Randall,

WHOLESALE FLORIST.

4 Washington Street, CHICAGO

Send for weekly price list and special quotations on 1000 lots.

WEILAND-AND-RISCH

CHICAGO'S RELIABLE

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59 Wabash Ave., Chicago.

SEND FOR WEEKLY PRICE LIST.

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Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florists

31-35 Randolph St., CHICAGO.

☞ Consignments solicited.....

American Florist Advertisements Work Every Day.

Wholesale Flower Markets

CHICAGO, June 6.

Roses, Beauty, 30 to 36-inch stems		3.00
" " 24 " "		2.00
" " 20 " "		1.50
" " 15 " "		1.00
" " 12 " "		.75
" " 6 to 8 " " per 100	4.00@	5.00
" Bride, Bridesmaid	3.00@	6.00
" Meteor	3.00@	6.00
" Perle	3 00@	5.00
" Golden Gate	3 00@	6.00
Carnations	1.00@	3.00
Lily of the valley	3.00@	4.00
Harrisii	6.00@	10.00
Callas, per doz.	1.25@	1.50
Pæonias, per doz.	.50@	1.00
Cattleyas, per doz.	6.00	
Sweet Peas	.75@	1 50
Asparagus, per string,	.6 @	.75
Adiantum	.75@	1 00
Galax leaves, per 1000	$1.25	.15
Smilax, per dozen	1.50@	2.00

LILY of the VALLEY

The finest now ready to cut.
Fine pips from cold storage, $13 per 1000.

H. N. BRUNS,

1409-1411 W. Madison St., CHICAGO.

Chicago Carnation Co., Joliet, Illinois

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FOR FUTURE BARGAINS.

JOHN BROD,

349 West North Avenue, CHICAGO, ILL.

Greenhouses, Niles Center, Ill.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

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Wholesale Dealers and Growers of **Cut Flowers**

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WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Avenue, CHICAGO.

FRANK GARLAND,

Wholesale Grower of **Cut Flowers**

SPECIAL ATTENTION GIVEN TO HARDY CUT **FERNS**

55-57 WABASH AVENUE,

Telephone Central 3284. CHICAGO.

GEO. REINBERG,

Wholesale Grower of *Cut Flowers*

Choice American Beauties.

We will take care of your orders at reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

Please mention the American Florist when writing.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.

Headquarters for American Beauty.

51 Wabash Ave., - CHICAGO, ILL.

JOHN MUNO,

Wholesale Grower and Shipper of **Cut Flowers**

Room 221, 51 Wabash Ave., CHICAGO.

TELEPHONE CENTRAL 3598. All telegraph and telephone orders given prompt attention.

American Florists Ads

Always do business,
Week days and every day
Sundays and holidays,
All over the country,
At home and abroad.

Paeonias

SAMUEL S. PENNOCK,
Wholesale Florist,
1612-18 LUDLOW ST., PHILADELPHIA, PA.

Gardenias

On and after June 1st will be open from 7:30 a. m. to 8:00 p. m.

GEO. A. SUTHERLAND,
34 Hawley St., BOSTON.
Telephone 1270 Main.
BEST BOSTON FLOWERS. All Supplies.
An entire floor Devoted to Stock and Manufacturing. Distributing Agent for United States for the wonderful

"Floral" LETTER, unequalled for design work. Script, any color, 3½c a letter. Block letters, 1½c each. The most elaborate design work to order in a few minutes.

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REED & KELLER. New York City.

A FULL STOCK OF
SEASONABLE FLOWERS.

CITY HALL CUT FLOWER MARKET
WELCH BROS., PROPS.
9 CHAPMAN PLACE,
15 PROVINCE STREET, **Boston, Mass.**

J. K. ALLEN
Fresh Flowers
— FOR —
June Weddings
and any other occasion at bed-rock market rates.

106 W. 28th St., NEW YORK.
Telephone 167 Madison Square.
OPEN AT 6 A. M. DAILY.

N. F. McCARTHY & CO.
Best Quality
CUT FLOWERS
and Supplies,
Tel. 734 and 64 Main. **84 Hawley St., BOSTON.**

N. Y. CUT FLOWER EXCHANGE
Coogan Bldg, 6th Ave. and W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.

The American Florist Company's
DIRECTORY
Contains the names and addresses of all the Florists, Seedsmen and Nurserymen in the United States and Canada. Price $2.00.
AMERICAN FLORIST CO.,
324 Dearborn Street. Chicago, U. S. A.

Wholesale Flower Markets

BOSTON, June 4.

Roses, Beauty, extra	12.00@15.00
" " medium	6.00@10.00
" " culls	2.00@ 4.00
" Queen of Edgeley	10.00@20.00
" Bride, Bridesmaid, Meteor	1.00@ 2.00
" extra	3.00@ 6.00
Sweet Peas	.25@ .60
Carnations	1.00@ 2.00
Lily of the valley	2.00@ 3.00
Lilies	4.00@ 6.00
Paeonias	3.00@ 5.00
Spiraea, stocks	.50@ 1.00
Adiantum	.75@ 1.00
Asparagus	50.00
Smilax	12.00@16.00

PHILADELPHIA, June 4.

Roses, Tea	6.00@ 7.00
" " extra	7.00@ 8.00
" Beauty, extra	20.00@25.00
" " firsts	10.00@15.00
" Queen of Edgely, extra	20.00@25.00
" " " firsts	10.00@15.00
Carnations	1.00@ 3.00
Lily of the valley	4.00@ 5.00
Asparagus	25.00@50.00
Smilax	15.00@20.00

BUFFALO, June 5.

Roses, Beauty	7.00@35.00
" Bride, Bridesmaid, Meteor	4.00@10.00
Carnations	1.00@ 3.00
Paeonias	3.00@ 5.00
Lily of the valley	3.00@ 4.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.50

Give Us a Trial. We Can Please You.

Roses, Carnations and all kinds of Seasonable Flowers in stock.
WM. F. KASTING, Wholesale Commission Florist,
481 Washington St., Buffalo, N. Y.
Dealer in Florists' Supplies and Wire Designs.
Open Day and Night.

THE
NEW YORK CUT FLOWER CO.
55 and 57 West 26th St.,
WHOLESALE FLORISTS,
Daily Reports. Weekly Payments.
TELEPHONES:
2239 Madison Sq.
2034 Madison Sq.
J. A. MILLANG, MANAGER.

GEORGE SALTFORD,
Wholesale Commission Florist,
46 West 29th Street, NEW YORK.
Fair dealing and prompt returns guaranteed.
Correspondence solicited.

ROVATZOS & MOLTZ
Buy and Sell.... **FLOWERS** on Close Margin.
Headquarters, 56 West 26th Street,
WRITE, TELEGRAPH OR TELEPHONE. Opposite Cut Flower Exchange,
NEW YORK CITY.

EUGENE BERNHEIMER
Wholesale Florist,
Phone 14269 A.
1604 Ludlow St., **Philadelphia.**
CONSIGNMENTS OF ROSES SOLICITED.

SHIPPING LABELS FOR
....Cut Flowers
Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....
ELECTRO OF THIS LEAF, POSTPAID, $1.25.
American Florist Co.,
CHICAGO.

PAEONIAS
Beauties, Carnations, Ferns.

Leo. Niessen
PHILADELPHIA, PA.

FOR SEASONABLE FLOWERS

SEND TO

JOHN I. RAYNOR, WHOLESALE COMMISSION FLORIST.

Telephone 1998 Madison Square — 49 W. 28th St., NEW YORK.

YOUNG & NUGENT

WHOLESALE FLORISTS 42 West 28th Street, NEW YORK,

Are shipping the finest Roses, Carnations, Valley, Orchids, Novelties, in the New York Market. ——Price List to Applicants.

TELEPHONE 2065 MADISON SQUARE.

Walter F. Sheridan,

Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Telephone Nos. 2239 and 2034 Madison Square.

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Wholesale Commission Florists,

55 and 57 West 26th St., NEW YORK CITY.

Adjoining New York Cut Flower Co. salesroom. Finest Salesroom in the Trade. Inspection Invited. All business, selling or shipping, strictly commission.

WHOLESALE WILLIAM GHORMLEY, COMMISSION

RECEIVER AND SHIPPER OF FRESH CUT FLOWERS. DAILY STOCK OF ALL THE CHOICEST VARIETIES FROM BEST GROWERS WHO SHIP TO NEW YORK.

ORCHIDS, ROSES, CARNATIONS, VALLEY.

Telephone 2200 Madison Square, 57 WEST 28th STREET, NEW YORK CITY.

JOHN YOUNG

Special American Beauties, Surpassing Carnations, Lily of the Valley, Orchids, and all Seasonable Flowers.

51 West 28th St., NEW YORK.

Tel. 1905 Madison Sq.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR

Violets and Carnations

GROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER,

30 West 29th St., New York.

Telephone 551 Madison Square.

Frank Millang

Open from 6 a. m. to 5 p. m.

Cut Flower Exchange, 55-57 W. 26th St.

Phone 299 Madison Square. NEW YORK.

ESTABLISHED 1872.

JOHN J. PERKINS,

COMMISSION FLORIST,

Solicits Consignments or Shipping Orders. Satisfaction given in both.

Write for Terms. 115 West 30th St., New York.

Bonnot Bros.

WHOLESALE FLORISTS.

55 and 57 W. 26th St., Cut Flower Exchange, New York.

OPEN 6:00 A. M.

An Unequalled Outlet for Consigned Flowers.

Choice Carnations. Selected Roses.

Traendly & Schenck

NEW YORK CITY,

38 W. 28th Street, Cut Flower Exchange.

New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

NEW YORK, June 4

Roses, Beauty, select	10.00@15.00
" " medium	5.00@6.00
" " culls	.50@1.00
" Bride, Bridesmaid	2.00@5.00
" Liberty	2.00@8.00
" Meteor, Golden Gate	2.00@5.00
" All kinds, job lots	.50@1.00
Carnations	.50@1.00
Lily of the valley	.50@4.00
Callas, Lilies	3.00@5.00
Pæonias	3.00@6.00
Sweet Peas	.35@ .75
Cattleyas	30.00@50.00
Mignonette	.50
Smilax	8.00@12.00
Adiantum	.50
Asparagus	35.00@50.00
" Sprengeri, per doz. bun.	2.00@3.00

CHAS. MILLANG,

50 W. 29th St.,

NEW YORK.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

FORD BROS.

Receivers and Shippers of

FRESH FLOWERS,

111 West 30th St., NEW YORK.

Telephone 157 Madison Square.

Julius Lang

53 West 30th Street, NEW YORK.

REPRESENTS THE BEST GROWERS OF

ROSES, CARNATIONS, VALLEY.

TELEPHONE 280 MADISON SQUARE.

ALEX. J. GUTTMAN,

Wholesale Commission Florist,

A full supply daily of the choicest New York and New Jersey

FLOWERS.

52 W. 29th Street, NEW YORK CITY.

Telephone 1738 Madison Square.

A. H. LANGJAHR,

Wholesale Commission Florist,

BEST FLOWERS SHIPPED AT LOWEST NEW YORK PRICES.

19 Boerum Place, Brooklyn, N. Y.

TELEPHONE 939 MAIN.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

☞ LONG DISTANCE 'PHONE AT EITHER PLACE.

EDW. C. HORAN,

47 WEST 28TH ST.,

Tel. 421 Madison Square, ...NEW YORK.

CUT FLOWERS AT WHOLESALE.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

J. E. NORTHRUP, Pres.; S. F. LEONARD, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

Twentieth annual convention, Minneapolis, Minn., June 24-26, 1902.

PRESENT prospects for California seed crops are extremely good.

J. CHARLES MCCULLOUGH, of Cincinnati, with wife, son and daughter, will sail for Europe early next month.

THE recent very heavy rains have submerged the land of many market gardeners about Chicago, including many acres of onion sets. Drying weather is badly needed at once.

THE Chicago seedsmen are very anxious to have the delegates for Minneapolis join them, starting from Chicago on the evening of June 23. See notice elsewhere on this page. A good time is expected.

CARL BECKERT, the 16-year-old son of W. C. Beckert, of Allegheny, Pa., died May 27 from injuries received in an elevator in his father's seed store. Mr. and Mrs. Beckert were on the ocean en route to Japan when the accident occurred.

PRESIDENT NORTHRUP telegraphs as follows regarding railroad fares to the Minneapolis meeting of the American Seed Trade Association, June 24-26: "Western Passenger Association, Trunk Line Association and New England Passenger Association grant fare and one-third rate for round trip."

American Seed Trade Association.

Secretary Willard, of the American Seed Trade Association, writes May 29, stating that indications favor such a full attendance at the Minneapolis meeting, June 24-26, that the reduced rate of one fare and one-third may be depended on Members should therefore ask for a certificate when buying their railroad tickets going and will then be entitled to one-third fare returning.

CHICAGO TO MINNEAPOLIS.

Seedsmen from the east and south of Chicago should purchase tickets from starting point through to Minneapolis, taking certificate receipt for same. This receipt when properly executed at Minneapolis will secure return ticket at one-third of the regular rate. In purchasing tickets be sure to see they read from Chicago to Minneapolis via the Chicago, Milwaukee & St. Paul R. R., so as to accompany the Chicago party, who are very desirous that all visitors passing through Chicago travel in the same car or cars, leaving Chicago from the Union Depot at 6:30 p. m., June 23. Reservation on sleeping cars can be made through J. C. Vaughan, 84 Randolph street, Peter Hollenbach, 12 North Halsted street, or Goodwin Harries Company, 115 East Kinzie street, all at Chicago.

San Francisco.

CALL FOR MEMORIAL FLOWERS VERY HEAVY.—FEW PLANTS SOUGHT.—CARNATIONS AND ROSES SCARCE.—OUTDOOR STOCK PLENTIFUL.

The week in which Memorial day came was a very profitable one to the growers as well as to the retailers. That is to say, in the line of cut flowers; in plants very little business is done here on this occasion. Of all the cut flowers, carnations were the scarcest and white especially so. Prices averaged 25 cents per dozen and 35 cents to 50 cents for fancy. Roses were the next scarce article and teas sold the same as carnations, Beauties bringing from $1 to $2 per dozen. Lilies brought $2 to $2.50. Asparagus and ferns were plentiful but smilax scarce and only short strings could be had. Sweet peas were abundant and sold for from 75 cents to $1.25 per dozen bunches, all colors and varieties. Other cheap outside flowers were callas, stocks, marguerites, poppies and candytuft. All were plentiful and a very good business was done in that line.

GOLDEN GATE.

Columbus, O.

TRADE VERY HEAVY FOR MEMORIAL DAY.—STOCK SHORT AND FINE PRICES REALIZED.—GOOD CALL FOR POTTED PLANTS.—VARIOUS NOTES.

We were all as busy as beavers all last week up to and including Sunday, which is quite as important to the state militia as Memorial day itself. Flowers were very scarce but what were on hand brought good prices. The farmers usually supplying this market with pæonias had little to offer this season and those who were fortunate enough to market some of this stock were brave enough to ask $1 50 per dozen and had no trouble in getting it. Roses were scarce and poor, the few good ones bringing $1.50 per dozen. Carnations and lilies, of which there was a fair supply, brought good money. There was quite a call for potted plants in bloom, which could have been sold at fine prices but by Thursday night there was not a good looking blooming geranium or any other potted plant in Colnmbus.

CARL.

SUMMER.. FLOWERS

Last Chance.

GLADIOLUS BULBS.

4,000, in separate colors, 1st size, at $12.50 per 1000.

7,000, High Grade Mixtures, for cut flowers, 1st size, at $10 per 1000.

5,000, good mixed, 1st size, at $7.50 per 1000.

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Florists' Calendar FOR JUNE.

	100	1000
ASPARAGUS PLU. NANUS, selling out.	$ .75	$6.50

CINERARIA HYBRIDA max. grandi., pkt., 500 seeds, 25c; 5 pkts., $1 00.

CINERARIA HYBRIDA nana, dwarf grandi., pkt. 500 seeds, 25c; 5 pkts., $1.00.

CALCEOLARIA HYBRIDA grandi., max. or nana, dwarf grandi., either pkt., 500 seeds, 25c; 5 pkts., $1.10.

CALCEOLARIA, SHRUBBY, RUGOSA, pkt. 25c.

FERN SPORES, finest sorts mixed, pkt. 25c.

PRIMULA SINENSIS FIMBRIATA, the finest ENGLISH STRAINS in pure white, Chiswick red Kermesina rose, blood red, Coerulea True Blue, each 1 0 seeds, 25c; in 1000 lots, $1.75. All colors mixed, 100 seeds, 20c; 1000 seeds, $1.50.

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Bulbs, Bulbs

Narcissus and Daffodils, Specialties.

Orders booked now for fall delivery.

PRICES LOW.

Send for catalogue and price list.

American Bulb Growers' Co.

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Tulips, Hyacinths, Narcissus, Lilies. You can save money by placing order now. Send us your list; we will make bottom prices.

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ONION SETS—NO MORE OF THEM.

Sow my Hardy White Onion.

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BEAULIEU, the Pansy Man, WOODHAVEN, N. Y.

PAEONIAS

and all other cut flower stock for

School Closings and June Weddings

All stock billed at market rates day of shipment.

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Wholesale Commission Florists,

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E. G. Hill, Henderson, Superba, Robinson, Maud Dean, Yanoma, Wanamaker, 25 others, out of 2½ inch pots, $2 00 per 100.

Timothy Eaton, Col. D. Appleton, Maud Adams, Modesto, Goldmine, out of 2½-in. pots, $3.00 per 100. Will exchange for Palms and Ferns.

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Standard varieties, 3½-inch pots, $6.00 per 100; $50.00 per 1000.

CANNAS—Standard varieties, 4-inch pots, $6.00 per 100; $50.00 per 1000.

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2000 Geraniums

FOR SALE CHEAP.

Also lot of **Coleus and bedding out stock.** Apply to

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Carnations, Geraniums Cannas, Etc.

Prices quoted upon application.

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ROSES, from 3-inch pots.
CARNATIONS, for all delivery,
CHRYSANTHEMUMS,
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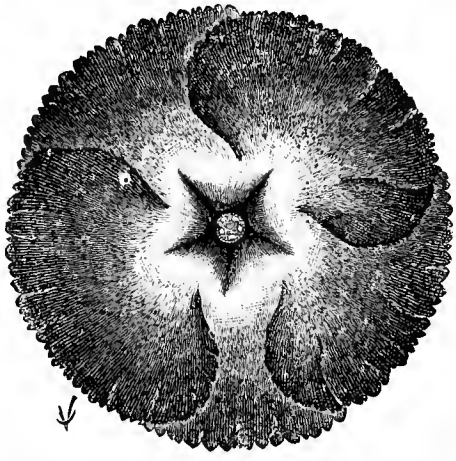
VAUGHAN'S International Primula



Unquestionably the best mixture of Chinese Primroses. It contains the largest variety of the best selling colors. Flowers large, beautifully fringed, borne in large clusters well above the rich green leaves. Pkt., (250 seeds), 50c; 5 pkt., (1250 s.), $2 00.

CHINESE PRIMULA, Chiswick red; Alba Magnifica, white; blue, pink, striped. Each, per pkt. of 250 seeds, 50c; 1000 seeds, $1.75.

DOUBLE CHINESE PRIMULA, white, pink, red or mixed, per pkt., 50c.

CINERARIA VAUGHAN'S COLUMBIAN MIXTURE. A mixture of the best English and German strains, unsurpassed. Pkt. (1000 seeds) 50c; 3 pkts., $1.25.

CALCEOLARIA HYBRIDA, choicest mixture, pkt. 50c.

10 PER CENT discount on flower seed orders amounting to $2.00 and over for **CASH WITH ORDER.**

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Such as Cyclamen, Pansies, Perennials. Send for our midsummer list of bulbs, etc. Sent free to florists on request.

14 BARCLAY STREET, NEW YORK. **VAUGHAN'S SEED STORE,** 84 & 86 RANDOLPH ST., CHICAGO.

CANNAS 3 and 4-inch.

HENDERSON, CLEVELAND, CROZY, etc., ...$4.00 per hundred.

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JAMES FROST,
Lake County. GREENVILLE, OHIO.

All The Best CARNATIONS

Orders booked now for fall delivery.
SEND FOR PRICES.
Rooted cuttings and young plants all out.

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FAXON'S "WHITE HOUSE" PANSIES.

The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.

In Trade Packets at $1.00 each.

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Correspondence solicited.

THE COMING FERN IS MY NEW NEPHROLEPIS

"ANNA FOSTER"

DELIVERY IN SEPTEMBER.

Orders booked now at $25 per 100 for small plants. Larger plants, prices on application.

L. H. FOSTER, 45 King St., Dorchester, Mass.

Nasturtiums.

mostly Empress of India and other fine sorts, from 4-inch pots; bushy, beautifully in bloom, only $1.00 per 100.

SMITH'S HYBRID MOONVINES,
2½ inch pots, $5 per 100. Cash with order please.

GODFREY ASCHMANN,
(Rising Sun,) 1012 Ontario St., PHILADELPHIA, PA.

FERNS.

Mixed varieties, strong stock and good assortment, in 2-inch pots. $3.50 per 100; $30 00 per 1000.

BEARD BROS., West Fort Street, ...DETROIT, MICH.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

R. C. BERCKMANS, Pres.; R. J. COE, Vice-Pres. GEORGE C. SEAGER, Rochester, N. Y., Sec'y. Twenty-seventh annual convention, Milwaukee, Wis., June 11-13, 1902.

IT is estimated that the Georgia peach crop, the first of which is now moving, will aggregate more than 15,000 car loads.

TWENTY laborers employed by the Oregon Nursery Company, Salem, Ore., went on strike May 22 for a raise in pay from $1.50 to $1.75 per day. The places were immediately filled with other men.

A RECENT shipment of fruit trees by Ellwanger & Barry, Rochester, N. Y., arrived in good condition at Chemulpo, Korea, after sixty-three days on the way and, being planted within two days, made a nice start.

NURSERYMEN handling the improved forms of Syringa vulgaris report that the recent flowering season has brought many orders for such new lilacs as Charles Joly, Ludwig Spæth, President Grevy and others.

THE annual meeting of the American Association of Nurserymen at Milwaukee next week will be its twenty-seventh and probably its best to date, both in point of attendance and business transacted between the members.

THE Stark Brothers' Nursery and Orchard Company, of Louisiana, Mo., has issued a call for a stockholders meeting July 26 to vote on a proposition to increase the capital stock of the company from $300,000 to $1,000,000.

American Rose Society.

The stated June meeting of the American Rose Society will be held in New York on June 11 in connection with the June show of the Horticultural Society of New York, at the New York Botanical Garden. The rose society offers a silver medal for the best display of garden roses on this occasion. Further particulars of the exhibition and the full schedule may be had from the secretary, 136 Liberty street, New York. The rose society is now arranging to offer its gold and silver medals at some of the leading exhibitions next year, particulars of which will be made public very shortly. The gold medals will be offered for novelties.

Cincinnati.

RAPID CHANGE OF FORM IN THE WHOLESALE MARKET.—FROM A CONDITION OF OVERSUPPLY A PRONOUNCED SHORTAGE HAS DEVELOPED.—JUNE STARTS OFF WELL.—GOOD WEDDING DECORATIOS.—NOTES OF VARIOUS DOINGS.

Conditions have been somewhat reversed in business the past few days. Until last Thursday there were not near enough orders to consume the flowers coming in, but since then the wholesale houses are having a hard time of it to secure enough flowers to fill their orders with. Frank Ball says that never before has he handled as many flowers for Memorial day as he did this year and that the month of June has started off with a rush of business. There is quite a demand for sweet peas and this city at present seems to be unable to supply one-half of the call for them. Louis Kyok is handling quite a number of carnations. He received 12,000 blooms from his consignors last Friday and they were completely sold out by 10 o'clock. The bedding out season in this city is nearly over and all those handling this line of goods seem well satisfied with the volume of business done. This week there are quite a number of big weddings and the commencement exercises of the high schools take place Friday evening.

The R. A. Kelley Company had the decorations for the Rawson wedding and put up something very elaborate. Chas. Jones decorated the church for the Longworth wedding and Sunderbruch had the decorations for the Seasongood wedding at the Phœnix Club. All were big jobs and consumed an immense amount of flowers.

The Cincinnati Cut Flower Company is receiving some very fine carnations from Samuel Batson, of Kalamazoo, Mich. His cut seldom varies in quantity or quality.

In my last notes I stated that the damage done by hail at Murphyville was 10,000 feet of glass, which should have been 10,000 panes of glass broken.

HOMER, MICH.—Mrs. D F. Spencer has sold her greenhouse to Miss Sarah Cox.

Import Freight Agents Delaware, Lackawanna & Western Railroad Co. at New York, N. Y.

ENERGY. ECONOMY. DISPATCH.

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HOLLAND.

SPECIALTIES ARE: Conifers, Evergreens, Hardy Shrubs, Lilacs, Ornamental Trees, Fruit Trees in different forms, Azaleas, Rhododendron Ponticum and Hybridum.

Please send list of your wants and write for general catalogue. We will make you special offers. Write to

GROENEWEGEN & ZOON,

De Bilt, near Utrecht, Holland.

LAUREL HILL Nurseries, F. BRUNTON Manager.

Importers and growers of Choice Hardy Perennials. Native Trees, Shrubs, Specimen Evergreens. We grow large quantities of Iris, Paeonias, Tritomas, Phlox, Delphiniums; stock is perfectly hardy, true to name. Send for Special Catalogue of New Hardy Alpio-Iris, now in the press. STOCKBRIDGE, MASS., U. S. A.

CLEMATIS Large Flowering, leading kinds, strong 2-year plants from 4-inch pots in 12 sorts. $2.00 per doz.; $16.00 per 100. 25 at 100 rate.

Choice Hardy Monthly ROSES in twelve (12) kinds, $1.50 per doz., $10.00 per 100.

ADIANTUM, (Maiden Hair Ferns), strong clumps, $5.00 per 100; 75c per doz.

F. A. BALLER, Bloomington, Ill.

B. W. DIRKEN,

Oudenbosch, Holland.

ORNAMENTAL AND FOREST TREES A SPECIALTY.

Conifers, Evergreens, Hollies, Etc.

Prices on Application.

BEGONIA GLOIRE DE LORRAINE,

Begonia Light Pink Lorraine,

For June and Later Delivery, $15.00 per 100; $140.00 per 1000.

Edwin Lonsdale, Wyndmoor, near Chestnut Hill, Pa.

ROBT. CRAIG & SON,

Roses, Palms

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

NOW COMPLETE IN FOUR VOLUMES.

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Comprising suggestions for cultivation of horticultural plants, descriptions of the species of fruits, vegetables, flowers, and ornamental plants sold in the United States and Canada, together with geographical and biographical sketches

By L. H. BAILEY,

Professor of Horticulture in Cornell University,

Assisted by WILHELM MILLER, Ph. D., Associate Editor,

and many expert Cultivators and Botanists.

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Cloth, $20. Half Morocco, $32.

Illustrated with 2800 original engravings. Cash with order.

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324 Dearborn St., Chicago.

BEDDING PLANTS.

	Per 100
Geraniums, 4-inch	$5.00
Salvias, 2½-inch, $2; 3-inch	3 00
Begonias, Flowering, 3-inch	3.00
Vernon " 2¼-inch	2.00
Sweet Alyssum, 2½-inch	2.00
Saxifraga, 3-inch	3.00
Cannas, Charlotte, Henderson, Bouvier, Flamingo and others, 4-inch, $5; 3-inch	3.00
Petunias, double and single, 4 inch	6.00
Verbenas, 3 inch	3 00
Ageratum, blue, 3-inch	3.00
Spotted Calla, in bloom, 5-inch	10.00
Bellis Perennis, fine plants, $5 per 1000	.75

J. S. BLOOM, Riegelsville, Pa.

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ANNUAL CLEARANCE SALE

To close out surplus stock we will offer the following goods at greatly reduced prices until sold. Orders filled in rotation. Order quick to insure these prices. Cash with order.

Sphagnum Moss Clean and fresh. 5 bales, $4.00; 10 bales, $7.00; 25 bales, $16.50.

Wheat Sheaves Per dozen, A. $1.40; B. $2 25; C. $3 25; D, $1.50; E, $5.40; F, $7.00; G, $9.00.

Ribbons Best florists satin, all colors, per holt, No. 5, 45c; No. 9, 70c; No. 12, 95c; No. 16, $1.10; No. 22, $1.20.

Cycas Leaves Best imported stock. 24 to 48 inches, assorted, per dozen, $2.00; per 100, $15.00.

Cane Stakes 5 to 6 feet long, per 1000, $1.50; 10,000, $10 00.

Baskets All kinds and assortments, $5.00, $10.00 and $25.00, 10 per cent less than regular prices.

Tin Foil Either 5 or 7-inch. 5 pounds, 45c; 10 pounds, 80c; 25 pounds, $1.95; 100 pounds, $7.50.

White Pampas Plumes Select stock, per 100, $2.50; 1000, $20.00 **COLORED,** Assorted colors, per 100, $5 00

NO QUANTITY LESS THAN THOSE NAMED AT PRICES QUOTED.

Specialties for School Closings and June Weddings.

Remember we are HEADQUARTERS on all CUT FLOWERS, our main stay.

McKellar & Winterson Co.

45-47-49 Wabash Ave., Chicago.

Giant Cactus,

4 to 5 feet high, 10 to 14 inches in diameter. Grand specimens of these sensational decorative plants.

Write for prices....

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HORTICULTURAL SUPPLIES

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Asparagus

PLUMOSUS NANUS....

From flats, $2.50 per 100; $20.00 per 1000. 25 at 100 rates; 250 at 1000 rates, prepaid. CASH.

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IVORY AND BONNAFFON

CHRYSANTHEMUMS.

Plants from 2-inch pots, $2.00 per 100; $18.00 per 1000. Ready for immediate delivery.

WM. MURPHY, Wholesale Florist,

Station F, CINCINNATI, OHIO.

Special

THIS WEEK.

	Per 100.
GERANIUMS, Jean Viaud, 4-inch	$6.00
" S. A. Nutt 4 inch	6.00
" Queen of the West, 4-in	5 00
" Double Gen Grant, 4-in	5.00
" In variety, 3 in	3.00
DOUBLE FRINGED PETUNIAS, finest strains, 4-in., $6.00; 2½ in	2.50
VINCA VARIEGATA, 2 yrs. old, extra heavy, 4-in., $8 00; strong plants, 3-in	2.50
COLEUS, assorted colors, strong plants, 2¼-in.	2 00
SWEET ALYSSUM. Giant double, 2½-in	2.00
ACHYRANTHES, red and yellow, 2½-in	2.00
HELIOTROPE, coming into bloom, 3-in	2.00
SOLANUM, white, strong, 3-in	2.00

CHRYSANTHEMUMS.

From 2½-in. pots, Major Bonnaffon, Ivory, Jerome Jones, Maud Dean, $2 50 per 100; Col. D. Appleton, Geo. W. Childs, Lady Anglesey, Pacific, $3 per 100; Chadwick, Timothy Eaton, $5 per 100.

B. FRANK BARR, LANCASTER, PA.

ROOTED CUTTINGS

Estelle, $5.00; Lawson, $4.00; Marquis and Elm City, $2.00; Crocker and Lord, $1.00 per 100. Other varieties on application.

DANA R. HERRON, OLEAN, N. Y.

BEGONIA GLOIRE DE LORRAINE,

2¼-inch pots, $15.00 per 100.

Write for prices on large lots. Stock guaranteed absolutely free from disease.

THOMAS ROLAND, Nahant, Mass.

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New Crop

DAGGER FERNS

Are now ready, A No. 1 quality, $1.50 per 1000.

BOUQUET GREEN

Princess Pine, 6c per lb.

BRONZE AND GREEN GALAX,

5000 lots, 75c per 1000.

LEUCOTHOE SPRAYS

75 cents per 100.

LAUREL FESTOONING

4c, 5c and 6c per yard. LAUREL WREATHS, to order, any size.

BOSTON, May 3rd, 1902.

We would respectfully inform the trade that our new crop of Dagger Ferns is now ready and they are A No. 1 quality. We carry a full assortment of Florists' Hardy Supplies as follows: Bronze and Green Galax, Hardy Cut and Fancy Ferns, Bouquet Green, Laurel Festooning, Laurel Wreaths, Bundle Laurel, etc.

P. S.—Extra choice Dagger Ferns, $2.00 per 1000. Satisfaction guaranteed and quick delivery. Order them now and avoid disappointment and the rush. Long distance telephone, 2618 Main.

HENRY M. ROBINSON & CO.

32-34-36 COURT SQ., BOSTON, MASS.

GALAX Bronze or green, 75c per 1000, in 2 00 lots or over; single 1000, $1.00. Fern, Fancy, $2.50 per 1000; Fern, Dagger, $1 50 per 1000. Leucothoe Sprays, bronze and green, assorted sizes, $1 per 100. Green sheet moss, $2.50 per bbl. bag.

L. J. KRESHOVER,

110-112 W. 27th Street, NEW YORK CITY.

Telephone call, 597 Madison Square.

HARRY A. BUNYARD, Mgr.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 79 Milk St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At New York.

The usual happy contingent turned up at the alleys last Wednesday and Captain Lang had considerable difficulty in arranging an even team. He is keeping the boys guessing who will be "it" for the team to Asheville. Of course the captain will be too modest to bowl himself. That it will be a strong team, however, can be gleaned from the following scores:

Player	1st	2d	3d	4th
Captain Lang	179	204	200	188
Burns	175	183	202	153
Siebrecht	150	158	164	170
Smith	140	149	155	162
Traendly	172	151	172	201
Bunyard	130	147	159	132

Baltimore.

PROSPECT FOR A LARGE DELEGATION TO THE ASHEVILLE CONVENTION.—DOINGS OF THE TRADE ORGANIZATION.—BEDDING PLANT BUSINESS HEAVY.—STOCK GOOD AND WELL CLEANED UP.—PERSONAL NOTES.

At the last Gardeners' Club meeting C. L. Seybold, Thomas Patterson and Fred. G. Burger were appointed a committee to arouse interest in the Asheville convention of the S. A. F. They hope to secure a goodly delegation from here. It was decided to invite the delegations from Philadelphia, Boston and New York to come by way of Baltimore, staying one night here and leaving with our party by boat to Norfolk, Va. This will afford a beautiful trip on Chesapeake Bay at a much reduced fare.

The attendance at the May meetings of the Baltimore Gardeners' and Florists' Club was very satisfactory, about forty-five being present at the first and thirty-five at the second. At the latest session Prof. Quaintance, of the Maryland Agricultural College, gave an hour's lecture on destructive insects, dwelling particularly on greenhouse pests.

C. L. Seybold and Mrs. Seybold were made seriously ill not long since by potmaine poisoning due to eating fish. Mr. Seybold has been very busy this spring in improvements at Patterson Park. The carpet bedding there is of the usual elaborate character.

Bedding roses are very scarce, also coleus and alternanthera. Trade in bedding plants has been very good and the market men have been cleaned up in good shape, most of the stock being of good size and well grown.

Halliday Brothers, I. H. Moss and others have large numbers of young carnation plants in the fields, looking fine.

Decoration day was a busy one for the florists, many of whom had large orders for cut flower work.

A large party of florists and gardeners visited College Park, Maryland Agricultural College, June 4.

The seventeen year locust has made its appearance but it is doing comparatively little damage.

Bedding work in the parks is almost finished and the work is of the very best.

Sweet peas are being received in very limited quantity.

Hail at Oshkosh, Wis.

On the afternoon of Saturday, May 24, heavy hail fell at Oshkosh, Wis., inflicting much damage. The proprietors of the Isaac Miles greenhouse, 76 Frankfort street, report their loss at about $200 or $300. Miss Miles states that about 1,500 panes of glass were broken, most of the damage occurring on the north and northwest sides of the houses, the wind blowing from that direction. Plants inside the houses were beaten down and destroyed by the hail. The damage to outdoor stock was large. In the hail storm last spring the number of panes broken these greenhouses at was about 2,400.

At John Nelson's, 485 Ninth street, it is reported that the loss was not serious and is not over $25 or $35. There were between 300 and 400 panes of glass broken. The damage outside was considerable, plants and vegetables being injured.

At the South Side Exchange there was much damage, according to the owners, Fugleberg & Flister. The hail broke about 3,500 panes of glass on the south side of the greenhouses. On the west and south sides was double thick glass and this was broken apparently as easily as that on the other sides. The hot beds were cut to pieces and thousands of pansy plants, stocks, carnations and chrysanthemums were destroyed. Inside the greenhouses 6-inch pots were broken by the force of the hail. The total loss on the glass is about $600, partly insured.

LINVILLE, N. C.—Charles H. Ricksecker has sold out his business in galax leaves to C. W. Burleson & Son and has removed to Hutchinson, Kans., where he has bought an abstract office.

RIVERTON, N. J.—The H. A. Dreer Company has been consigning large quantities of fine cut pæonias to both the New York and Philadelphia markets, where they have averaged good returns considering the depression in the staple lines of stock.

Lilium Harrisii

Indispensable for Early Forcing.

Our own growers pack all our Bermuda Bulbs and personally grow half our supply. Careful attention to the growing crop, weeding out diseased plants, proper grading of the bulbs when dug, business-like packing and handling, all go to make success with Harrisii. We invite your orders under these conditions. Our bulbs will pay you.

Write for Prices before closing any forcing stock orders.

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14 Barclay Street, New York.
84-86 Randolph St., Chicago.

DAGGER and FANCY FERNS
$1.00 PER 1000.

GALAX LEAVES Bronze or Green, 75c per 1000. Use our **Laurel Festooning** for your June Decorations. Its the best and cheapest in the market 4 5 and 6c per yd. Bunched laurel and laurel wreaths when wanted.

Millington, Mass.
Tel. office, New Salem.

Please mention the American Florist when writing.

S. S. SKIDELSKY,
708 N. 16th Street,
PHILADELPHIA, PA.
CORRESPONDENCE SOLICITED.

Roses. From 5-in. pots at 9c fine clean plants; Clothilde Soupert, Gen. Jacqueminot, Coquette des Blanches, La France Malmaison, etc. Large-flow red **CLEMATIS**—The finest purple, white, lavender and red sorts; 2-year from 5-inch pots, 18c; fine 1-year, at 9c. Clematis Paniculata 2-year from 5-inch pots, 10c; extra from 6-inch pots 18c. **AMPELOPSIS VEITCHII**—From 4-inch pots, 8c; from 3 inch pots, 5c. Packing free for Cash.

W. H. SALTER, Rochester, N. Y.

Please mention the American Florist when writing

NOTICE

To the Trade of the United States and Canada.

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Bulb Growers and Nurserymen.

Last Chance For GLADIOLI

To bloom in October. Retarded bulbs. For information and instruction write at once.

Wilbur A. Christy, Kinsman, Ohio.

ROSE PLANTS

Well Established.

	Per 100	Per 1000
AM. BEAUTY, 3-in. pots	$8.00	$75.00
AM. BEAUTY, 2½-in. pots	6.00	50.00
LIBERTY, 2½-in. pots	12.00	100.00
BRIDE, 2½-in. pots	3.00	25.00
MAID, 2½-in. pots	3.00	25.00
PERLE, 2½ in. pots	3.00	25.00
METEOR, 2½-in. pots	3 00	25.00
GOLDEN GATE, 2½-in. pots	3 00	25.00

All plants sold under express condition that if not satisfactory when received they are to be returned immediately, when money will be refunded.

PETER REINBERG,
51 Wabash Avenue, CHICAGO.

Rose Plants

Strong plants from 2½-inch pots, choice stock in every particular.

	Per 100	Per 1000
BRIDE	3.00	25.00
BRIDESMAID	3.00	25.00
METEOR	3.00	25 00
GOLDEN GATE	3.00	25 00
PERLE	3.00	25.00

GEO. REINBERG,
51 Wabash Ave., Chicago.

Orchids!

Arrived in fine condition: Cattleya labiata, C. Skinneri, C. Dowiana, Oncidium varicosum Rogersii and Peristeria elata; also a fine lot of Anthurium Scherzerianum. Write for our illustrated, descriptive catalogue of orchids. Special list of freshly imported unestablished Orchids, just ready. Write for a copy.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.
Please mention the American Florist when writing.

Roses

Of all kinds grown for the trade. Send for our list and prices.

BOSTON FERNS, in 4, 5, 6, 7, 8 and 10-inch pots. **ASPARAGUS SPRENGERI and PLUMOSUS,** in 3, 4 and 5-inch pots. Write

GEO. A. KUHL, Florist, Pekin, Ill.

Roses! Roses!

Strong Select 3-inch Plants—Some very fine 3-in. Meteors at $5 10 per 100; 3-in. Perles $6.00, Golden Gate $5 and American Beauties, $10.00 per 100. Elegant stock to plant now. Also a fine lot of 2¼-in. Brides and Golden Gates at $30 per 1000.

W. H. GULLETT & SONS, LINCOLN, ILL.

Carnation Floriana.

We believe this to be the best pink carnation introduced to date, was disseminated in the spring of 1901 by originators, Messrs. Fillow & Banks. Price, $8 per 100; $50 per 1000. 50 at 100 rate, 500 at 1000 rate. Less than 50, 8c each.

Dailledouze Bros., Carnation and Chrysthemum Specialists,
FLATBUSH, BROOKLYN, N. Y.
Please mention the American Florist when writing.

Philadelphia Palms.

JOSEPH HEACOCK,

WYNCOTE, PA. **Offers the following:**

ARECA LUTESCENS:

6-inch pot, 3 plants, 20 to 22 inches high.....75c each; $75.00 per 100
6-inch pot, 3 plants, 24 to 26 inches high.....$1.00 each; $100.00 per 100
8-inch pot, 3 plants, 30 to 36 inches high.....$3 00 each
10-inch pot, 3 plants, 42 to 45 inches high.....$5.00 each

KENTIA BELMOREANA:

6-inch pot, 6 leaves, 24 inches high.....$1.25 each; $15 00 per doz.
6-inch pot, 6 to 7 leaves, 26 to 28 inches high..... 1.50 each; 18 00 per doz.
8-inch pot, 6 to 7 leaves, 30 to 32 inches high..... 3.00 each; 36 00 per doz.
8-inch pot, 6 to 7 leaves, 36 to 40 inches high..... 4.00 each.

HOME GROWN, CLEAN AND HEALTHY.

Rose Plants for Sale

GOOD CLEAN STOCK, WELL ESTABLISHED.

Brides, Bridesmaids, Meteors and Golden Gates,

2-in. rose pots, $30 per 1000; 3-in. rose pots, $45 per 1000; 4-in. rose pots, $60 per 1000.

CHRYSANTHEMUM ROOTED CUTTINGS.... TIMOTHY EATON, $3 per 100.

Greenhouses, HINSDALE, ILL. **BASSETT & WASHBURN,** Store, 76 Wabash Ave., CHICAGO.

The Sensational New Rose for 1902.

MRS. OLIVER AMES.

For description, prices, etc, see Trade List.

$100.00 IS OFFERED IN PRIZES for Cut Flowers of this Rose at Madison Square Show next fall.

Extra fine plants of the grand pillar rose **CRIMSON RAMBLER,** from $2.00 to $6.00 per dozen, according to size and age. Also all the **STANDARD** forcing roses in variety, now ready for shipment.

JOHN N. MAY, Summit, N. J.

Please mention the American Florist when writing.

Surplus Stock at a BARGAIN

300 Areca Lutescens, 3-in. pots, at $6.00 per 100.
150 Areca Lutescens, 6-in. pots, at 50c each.
100 Kentia Bel. and Forst., 5-in. pots, 30c each.
600 Kentia Belmoreana, 3-in. pots, at $10 per 100.
1500 Kentia Forsteriana, 3-in. pots, at $10 per 100.
1000 Kentia Forsteriana, from boxes, strong, at $8 00 per 100.
700 Kentia Belmoreana, from boxes, strong, at $8 00 per 100.
1000 Latanias, 3-inch pots, at $5.00 per 100.
50 Pandanus Utilis, 6-in. pots, at 50c each.
75 Pandanus Utilis, 5-in. pots, at 30c each.
30 Ficus Elastica, fine, 8-in. pots, 5 to 6 feet, at $1.25 each.
50 Ficus Elastica, fine, 8-in. pots, 4 ft., 75c each
2500 Asparagus Sprengeri, 3-in. pots, $3.00 per 100.

WALKER & McLEAN, YOUNGSTOWN, OHIO.

'Mums

Standard Varieties

WHITE	YELLOW	PINK
Fitzwygram	Maj Bonnaffon	Glory of Pacific
White Ivory	Rieman	Pink Ivory
Mayflower	Yellow Mayflower	Viviand-Morel

Mrs. Jerome Jones—rooted cuttings, $1.50 per 100. From 2½-inch pots, $2.50 per 100.

Monrovia, earliest yellow; White Bonnaffon; Lavender Queen; Col. Appleton, yellow — Rooted Cuttings, $2.50 per 100. From 2½-inch pots, $4 per 100.

Timothy Eaton, white; E. D. Smith, yellow; Mrs. W. B. Chamberlain, pink — Rooted Cuttings $3 per 100. From 2½-in. pots, $4.50

AMERICAN BEAUTY ROSES from 2½ and 3-inch pots, for $40 and $60 per 1000.

George Harrer, Morton Grove, Ill.

Providence, R. I.

DEALERS MAKE SUCCESSFUL EFFORT TO RAISE THE PRICE OF MEMORIAL BOUQUETS.—STOCK NOT PLENTIFUL.—PERSONAL AND TRADE DOINGS.

Memorial day brought the usual rush of bouquet orders, ranging from 75 cents upwards. Previous to this year there has been a large demand for the old-fashioned 50-cent bouquet, and this demand has been filled by most florists at very little margin, until it became quite imperative that an effort be made to discontinue it. This year the trade asked 75 cents and upwards for ordinary round bouquets, with a successful result, inasmuch as there is more profit in it, and customers receive better work. Flowers were not plentiful, carnations especially finding a short market and bringing an average of $2 per hundred for ordinary stock. Deutzia was abundant and desirable All in all, business was very good and the weather was clear and cool.

Metal designs were in abundance and sold slowly. This was a surprise, as the local showing was very fine and deserved a better patronage.

N. D. Pierce cut large quantities of foliage of fancy shrubs, which added to the efficiency of bouquets, and sold readily.

T. J. Johnston and O'Connor closed very early Memorial eve, evidently being too busy to accept further orders.

This has been a good year for the sale of bedding stock. Prices have been good, with a steady demand.

Richard Higgins entered the ranks of the married men some little time since.

M. M.

BATAVIA, ILL.—T. J. McAllister & Company have a branch store at 31 South Broadway, Aurora, where they are doing a good business.

KANKAKEE, ILL.—Charles Schafer has been cutting carnations in quantity these past few weeks, his cut for the week preceding Memorial day reaching 9,000 a day.

YOUNG ROSE Stock

Cuttings from Grafted Plants.

3 inch Maids, Brides and Meteors, $5.00 per 100; $45.00 per 1000.
3½-inch Maids, Brides and Meteors, $6.00 per 100; $55.00 per 1000.

ADIANTUM CUNEATUM.

2½-inch pots, $2.75 per 100; $22.50 per 1000.
Cash with order. Send for sample.

The F. R. Williams Co.
CLEVELAND, OHIO.

IMPERIAL VIOLETS.

Fine, strong plants, from 2-in. rose pots, $2 50 per hundred; $22.50 per thousand.

Central Michigan Nursery,
KALAMAZOO, MICH.

Cannas, Roses, Palms, Etc.

CANNAS. Strong, 3-in. pot plants, unless noted at $4 00 per 100.
Florence Vaughan, Queen Charlotte, J. D. Cabos, Egandale, Duke of Marlborough, Robert Christie, Italia, Pres. Cleveland, Sophia Buchner, Burbank, Alsace,
Martha Washington, at $6.00 per 100.

ROSES. A general assortment of Ever-blooming varieties, strong, 2-inch and 2½-inch pots, $2.50 per 100; $20.00 per 1000.

GERANIUMS. S. A. Nutt, Mme. Barney, Richelieu, La Favorite, John Doyle, Mme. Charles Molin and Beaute Poitevine, $30.00 per 1000.

	Per 100
Marquis de Castellane	$6.00

Set of 4 New Bruants for 60c.
Set of 8 New Doubles for $1.50.
In good assortment, our choice of varieties, $27.50 per 1000.

	Per 100
PRIMULA FORBESI	$3.00
HELIOTROPES	2.00
SELAGINELLA Emmeliana	2.00
FUCHSIAS, in good assortment of varieties, 2½-in. pots	2.50
BEGONIAS—Vernon and Vulcan	2.50
LANTANAS in variety	2 50

PALMS.

Areca Lutescens, 2½-in. pots, $30.00 per 1000	4.00
Areca Lutescens, 3-in. pots	8.00
Areca Lutescens, 4-in. pots., 3 plants in a pot	20.00
Kentia Belmoreana, 2½-in. pots	7 00
Kentia Belmoreana, 3-in. pots	15.00
Latania Borbonica, 2½-in. pots	3.00
Latania Borbonica, 3-in. pot, $40 per 1000	5 00
Pandanus Utilis, 2½-in. pots	5.00
Pandanus Utilis, 4-in. pots	15.00
Pandanus Veitchii, 4-in. pots, $6.00 per doz.	

The Storrs & Harrison Co.

PAINESVILLE, OHIO.

Wittboldii Ferns....

A rare chance to get stock of this fine fern cheap. 2½-in. $5, 3-in. $8, 5-in. $20 per 100. Bench plants, good for 2½-in. $3, 3-in. $5, 4-in. $6, 6-in. $25 a 100.

	Per 100
ALTERNANTHERA, pot plants, red, yellow, pink	$2 00
RUSSELIA Multiflora and Elegantissima, 2½-in	3 00
BOSTON FERNS, 3-in	$8 00
VINCA Major, strong	3 00
GERANIUMS, 6 vars	3 00
COLEUS, 10 vars	2 00

CASH PLEASE. **A. J. BALDWIN, Newark, Ohio.**

Violet Plants

WELL ESTABLISHED		Per 100	1000
IMPERIAL	2¼-inch	$2.75	$25.00
MARIE LOUISE	"	2.75	25 00
FARQUHAR	"	2.75	25.00
SWANLEY WHITE	"	2.75	25.00
CAMPBELL	"	2.50	22.50

GRAND RAPIDS VIOLET CO.
GRAND RAPIDS, MICHIGAN.

A NEW BOOK

"How to Make Money GROWING VIOLETS"

by George Saltford, 30 years' practical experience. PRICE, 25 and 50 cents, postpaid—Money order preferred. **VIOLET CULTURE CO.,**
61 Quincy Street, BROOKLYN, N. Y.

..Violet Plants..

Ready for immediate shipment.

Imperial	$2.75 per 100	$25.00 per 1000
Swanley White	2.75 per 100	25 00 per 1000
M. Louise	2.75 per 100	25.00 per 1000
Lady Campbell	2.50 per 100	22.50 per 1000

Crabb & Hunter, Grand Rapids, Mich.

IMPERIAL VIOLETS

6000 Superb Plants now in soil, ready for immediate shipment, from plants of 1902; selections that have averaged 110 flowers per plant the past season. $20 00 per 1000; $2.50 per 100. This is the Best Violet Grown, the largest, the darkest and the best keeper and shipper. Address the originator. W. L. MINOR, BROCKTON, MASS.

Grafted Roses

LIBERTY 3 1-2-inch pots. $18.00 per 100.

BRIDESMAID, BRIDE, GOLDEN GATE, KAISERIN, 3½-inch pots, $15.00 per 100.

Our roses are grown with the greatest care and are fine bushy plants ready for immediate planting. We do not think better roses can be grown.

VERBENAS—Choice varieties in bud and bloom, 3-in. pots $3.00 per 100; 2½-in. pots $2.50 per 100; $20.00 per 1000.

GERANIUMS—Finest bedding varieties in bud and bloom, 3½-in. pots $6.00 per 100.

J. L. DILLON,
Bloomsburg, Pa.

GERANIUMS IN BLOOM.

Fine stocky plants, 4-inch, $8 per 100; 3-inch, $5.
SALVIA, in bloom, 2½ and 3-inch, $4.00 per 100.
COLEUS, 2-inch, $2 00 per 100; 2½-inch, $2.50 per 100. Cash or C. O. D.

W. J. & M. S. Vesey, Ft. Wayne, Ind.

AMERICAN BEAUTIES

Finest 3-inch pot plants, ready to plant, $7.00 per 100.

LA FRANCE AND KAISERINS

Extra strong, 3-inch, $4.00 per 100. No Finer Grown.

HONAKER, The Florist
Lexington, Ky.

Please mention the American Florist when writing.

NEW CARNATIONS.

Cressbrook and Fair Maid, strong, from soil, $1.50 per doz.; $10.00 per 100; $75.00 per 1000.

CHRYSANTHEMUMS

Fine strong plants from 2½-inch pots, ready now. Our selection, all good standard sorts, $20.00 per 1000. We have many other varieties than here listed. Send for complete list. Price per 100:

T. Eaton	$4.00	R. Halliday	$4.00
Nellie Pockett	8.00	Major Bonnaffon	3.00
Lady Roberts	8.00	Philadelphia	5.00
Mrs. E. D. Smith	6.00	Pennsylvania	5.00
Golden Beauty	8.00	Modesto	3.00
Mrs. Chamberlain	8.00	Nagoya	3.00
Mme. F. Bergmann	3.00	M. de Montmort	3.00
Willowbrook	3.00	Glory of the Pacific	3.00
Merry Monarch	3.00	Lady Harriett	6.00
Polly Rose	3.00	Maud Dean	4.00
G. S. Kalb	3.00	Xeno	3.00
Ivory	3.00	Geo. W. Childs	4.00
Mrs. J. Jones	3.00	Intensity	4.00
H. A. Parr	3.00		

H. WEBER & SONS, Oakland, Md.

ROSE PLANTS

2½-inch Rose plants, fully as good as any we have ever sent out:

METEOR, $2.50 per 100; $20.00 per 1000.
MAIDS, 3.00 per 100; 25.00 per 1000.

J. A. BUDLONG,
37-39 Randolph St. CHICAGO.

CYCLAMEN

Persicum Splendens Giganteum. Finest strain in the world, in four true colors, well-grown plants, from 2½-inch pots, $4.00 per 100; $35.00 per 1000. Extra selected, $5.00 per 100; $40.00 per 1000. Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

Please mention the American Florist when writing.

PÆONIAS!

ORDERS TAKEN NOW FOR SEPTEMBER SHIPMENT.....

J. F. ROSENFIELD, West Point, Neb.

Please mention the American Florist when writing.

The New White

That is Hard to Beat. Rooted Cuttings from flats, A No. 1, stuff. Per 100, $4.50; per 1000, $40.00.

CYCAS STEMS, $8.00 PER 100 LBS.

ASPARAGUS PLUMOSUS NANUS.

Fine bushy stock in large quantity.

	Doz.	100	1000
5-inch pots	$4.00	$30.00	
4-inch pots	2.00	15.00	
3-inch pots	1.00	8.00	$70.00
2½-inch pots	.60	5.00	40.00

HIBISCUS PEACHBLOW.

2½-in., $3.00 per 100. Strong 5-in., $5.00 per 100.

PHŒNIX CANARIENSIS.

Fine bushy plants, 8-inch pots, 36 inches high, each, $2.50; dozen, $24.00.

BOSTON FERNS.

In pans, grown the way you like them, full, bushy, compact stock, ready for your counter trade.

	Each	Doz.	100
12-inch pans	$4.00	$40.00	
10-inch pans	3.00	30.00	
9-inch pans	2.00	20.00	
8-inch pans	1.50	15.00	
7-inch pans	1.00	10.00	
5-inch pans	.50	5.00	$40.00
4-inch pots		2.50	20.00
3-inch pots		1.50	10.00
2½-inch pots		.60	5.00

Started Plants of Cannas,

a full line of all the leaders. Write for prices.

BAY TREES.

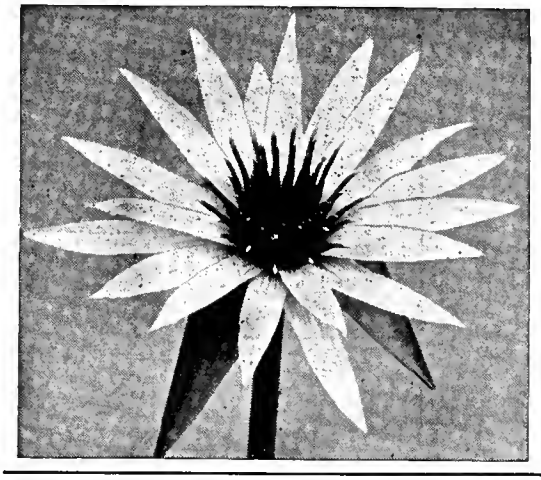
Large shipment just received. Write for sizes and prices.

VAUGHAN'S SEED STORE,

GREENHOUSES: WESTERN SPRINGS, ILL.

84 & 86 Randolph Street, CHICAGO.
14 Barclay Street, NEW YORK.

Hardy and Tender Water Lilies



NELUMBIUMS, VICTORIAS.

We have the most complete collection of Aquatic plants in the world. It embraces all the American and French hybrids and native and foreign species. For prices see Spring Edition of Dreer's Wholesale List, which is sent to the trade only.

If uncertain what to plant, write us what your facilities are and we shall be pleased to assist you with practical suggestions.

HENRY A. DREER

714 Chestnut St., Philadelphia.

PALMS.

HOME-GROWN, FINE, CLEAN STOCK; GROWN COOL.

Write for Price List. J. B. HEISS,
***The Exotic Nurseries,* DAYTON, OHIO.**

BARGAINS in Chrysanthemums and Fuchsias, named varieties, at $2.50 per 100.

Allamanda Williamsii ..... $4.00 per 100
Acalypha Sanderii ..... 3.00 per 100
Russelia Elegantissima ..... 3.00 per 100
Vinca Variegata ..... 4.00 per 100

All good 2½-inch plants.

The Conard & Jones Co, West Grove, Pa.

Cannas

We still have a few of the best varieties of 4-inch Cannas left, also, 3-in. Shall be glad to have you send us your wants in this line.

GEO. A. KUHL, Florist, Pekin, Ill.

Please mention the American Florist when writing.

Shasta Daisy

THE LATEST FLORAL WONDER.

Plants 25c each; $2.50 per doz.; $15.00 per 100; $100.00 per 1000. 25 at 100 rate. 500 at 1,000 rate. 100 seeds, 50 cents.

CALIFORNIA CARNATION CO.
LOOMIS, CAL.

1,000 VINCA MAJOR VAR.

Long tops and several shoots, 3-inch pots, $5.00 per 100; 2½-inch $3.00 per 100.

5,000 CANNAS, Austria, Burbank, dormant $2.00 per 100; Paul Bruant, fine red, $8.00 per 100; Alsace, white, $4.00 per 100; Robusta, bronze, $2.50 per 100. All Colors $1.50 per 100. Assorted Geraniums, 4-in. $5.00 per 100. Santolina Incana, $8 per 1000. **Cash please.** **BENJ. CONNELL, West Grove P**

Please mention the American Florist when writing.

Pittsburg.

CALL FOR FLOWERS FOR MEMORIAL DAY PROVES FAR BEYOND ANTICIPATIONS.—ALL STOCK CLEANED OUT IN SHORT ORDER.—NOTES OF VARYING INTEREST TO THE CRAFT.

Memorial day always makes a market for great quantities of flowers, but the business done on May 29 this year in Pittsburg and Allegheny was an unbounded surprise. The stores were liberally supplied with stock, but it was sold in much less time than was anticipated. The grade of all kinds of stock was much lower than usual, but this feature was generally disregarded, as purchasers seemed to merely want flowers, and any kind or quality would do. Our pæonias were late, but the east and south satisfied this shortage. Lilies were quite plentiful and were easily sold. Carnations met the most popular demand. On Saturday the supply of stock was amazingly short and the preponderance of funeral work was very marked. Some of the retail stores were sold out by noon.

John Wyland, of De Haven, is perfectly satisfied with the outlook of his rose and carnation stock. He has a fine range of houses and owns sixty acres of land perfectly fenced. The yield of his peach crop last year amounted to over 5,000 bushels.

On Tuesday the dedication of the new temple of Pittsburg Lodge B. P. O. E. caused a strong demand for flowers. There was a big parade in which Julius and Ernest Ludwig had prominent places.

The death of Mrs. Alexander Nelson occurred May 26, after a short illness. Mr. Nelson has the sympathy of his many friends among the florists and gardeners of the two cities.

H. P. Joslin, secretary of the Florists' and Gardeners' Club, states that the use of the basement hall for social and recreation purposes has been discontinued.

Blind Brothers are interested in Begonia Gloire de Lorraine and have just received a fine lot of the plants. E. L. M.

LITTLE ROCK, ARK.—Vestal & Son report trade good. Tipton & Hurst have added another large house, making eight in all. Wm. Gallagher says that outdoor roses, verbenas and cannas were badly killed out last winter and the very heavy run on these items this spring soon cleaned them up.

CHRYSANTHEMUMS.

Timothy Eaton, Parks,
Chadwick, Pitcher,
White Bonnaffon, Hobson,
Florence Hayes, Col. Appleton.
Rooted cuttings, $2.00 per 100.
From 2½-in. pots, $4.00 per 100.
Glory of Pacific, R. H. Pierson,
Polly Rose, Robinson,
Rooted cuttings, $1.00 per 100.
From 2½-in. pots, $2.50 per 100
N. Puckett, Pink Ivory,
Wanamaker, White Ivory,
H. J. Payne, Shrimpton,
Bonnaffon, Newitt,
Jerome Jones, McArthur,
Perrin, Harriott,
Maud Dean, Rieman,
Lincoln. Rooted cuttings, $1.50 per 100.
From 2½-in. pots, $3.00 per 100.

HERMAN C. STEINHOFF, West Hoboken, N. J.

'MUMS! ROSES! SPECIAL!
Col. Appleton, 2½-inch, $20.00 per 1000; rooted cutting, $15.00 per 1000. Maj. Bonnaffon, 2½-in., $18.00 per 1000; rooted cuttings, $11.00 per 1000. Our selection in proper proportion of color, 2½-inch, $20 per 1000; rooted cuttings, $12.00 per 1000.
100,000 2¼ and 3-inch Maids, Brides, Gates and Meteors. 25,000 2½-inch Stevia and rooted cuttings, $20 and $12 per 1000.
Printed price list furnished on application.
Poehlmann Bros. Co., Morton Grove and Chicago, Ill.
Please mention the American Florist when writing.

ALTERNANTHERA

P. Major and Aurea Nana, $15 per 1000. Hermsdorff, $30 per 1000.

CANNAS

Strong plants of the following varieties, from flats: Shenandoah, Charles Henderson, Queen Charlotte, Italia, Star, Florence Vaughan, F. R. Pierson, Austria, Robusta, Peachblow. Price, $3.50 per 100; $30.00 per 1000.

COLEUS

Glory of Autumn, Golden Bedder, Crimson Verschaffeltii, Queen Victoria, from 2¼-in. pots, strong and clean, $2 25 per 100; $20.00 per 1000. Rooted cuttings, $7.00 per 1000.

SALVIA SPLENDENS, $2.00 per 100; $18.00 per 1000.
MARGUERITES, from 5-in. pots, fine bushy plants, full of buds, $25.00 per 100.
RUBBERS, Branched, 3½ feet high, $1.00 to $1.50 each.
KENTIAS, Belmoreana and Forsteriana, 3-in., strong $20.00 per 100.
DRACÆNA SANDERIANA, 3-in. pots, very strong and well colored, $25 per 100.
DRACÆNA GRACILIS, 3-inch, $15.00 per 100.
BOSTON FERNS, very bushy, extra fine stock, 6-in. pots, $50.00 per 100.

John Scott, Brooklyn, N. Y.

KEAP STREET GREENHOUSES. TELEPHONE, 1207 WILLIAMSBURG.

Petunias! Petunias! Petunias!

TO MOVE QUICK we will fill orders for our Superb Collection of Double Fringed Petunias at reduced prices at once. Extra fine plants from 2½-in. pots, in bud and bloom, ten varieties, $1.50 per 100; $14.00 per 1000. 500 at 1000 rate. First come, first served. We have plenty. **CASH.**

THE W. T. BUCKLEY PLANT CO., SPRINGFIELD, ILL.

GARDENING

This is the paper to recommend to your customers, the leading horticultural journal in America for amateurs ....

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Liberal terms to florists who take subscriptions.

THE GARDENING CO. MONON BUILDING, Chicago, Ill., U.S.A.

HAIL!

FOR INSURANCE AGAINST DAMAGE BY HAIL, Address

John G. Esler, Sec'y F. H. A.
SADDLE RIVER, N. J.

CHRISTIAN SCIENTISTS'

meeting in Boston, June 15th and 18th. It will be to your advantage to obtain rates applying over Nickel Plate Road before purchasing elsewhere. Tickets on sale June 12, 13 and 14. Final return limit July 31st. Call on or address John Y. Calahan, General Agent, 111 Adams St., Chicago. 10

Pansy Seed.
The Jennings Strain.

Will be ready July 1st. STOCK THE FINEST.

E. B. JENNINGS, Lock Box 254, Southport, Conn.
Grower of the Finest Pansies.

WE CARRY

The Largest and most Complete Stock of DAHLIAS in the World

1902 DAHLIAS Admiral Schley, Eureka, Gold Standard, Black Bird, Pink Dandy, Leone, Profusion, Alba Superba, Gaillardia, Judah and Olympia. All Sterling American varieties.

20th Century Collection of 1901 contains 14 superb new American Dahlias.

Send for our up-to-date dahlia catalogue. Also special list of cut flower dahlias, before ordering elsewhere.

W. P. Peacock, DAHLIA Specialist, **Atco, N. J.**

The Horticultural Trade Journal

THE LARGEST, BRIGHTEST AND BEST

Horticultural Trade paper in the British Isles. It contains MORE ADVERTISEMENTS, MORE ILLUSTRATIONS and MORE NEWS than any of its contemporaries. Read by the whole of the British trade and all the best European houses every week. Annual subscription, 75 cents. Specimen copy post free. Published weekly.

Horticultural Trade Journal Co., Padiham, Lancs., Eng.

SMILAX 2-inch, $1.00 per 100.
ROSES Brides and Maids, 2-inch, $2.00 per 100; $18.00 per 1000.

McALLISTER & COMPANY, Batavia, Ill.

WHEN IN NEED OF

BOXES

Try our improved folding box, with superior white finish and improved corner lock.

Samples free on application. No charge for printing in 500 lots or over.

C. C. Pollworth Co., Milwaukee, Wis.

GERANIUMS

BEST RECENT INTRODUCTIONS. 2-inch pots, $3.00 per 100—500 Mme Charlotte, 300 Jean Viaud, 600 Mme. Landry, 1000 Hubert Charron.

STANDARD VARIETIES. $2.50 per 100—500 S. A. Nutt, 1000 Mars, 400 Marvel, 200 Mme. Buchner, 300 La Favorite, 250 Duc de Montemort, 150 Theo. Theulier, 200 Countess de Castiers, 100 Mme. Bruant, 100 Pierre le Brun.

STRONG FRAME GROWN. 4-inch pots, $7.00 per 100—250 Duc de Montemort, 200 Mme. Jaulin, 500 Marvel, 1000 S. A. Nutt. From 3½-inch pots, $5.00 per 100—500 Mars, 200 America.

BEGONIA REX, best varieties in 2½ and 3-inch pots, $5.00 per 100.

CYPERUS ALTERNIFOLIUS, 2-inch, 1000 at $2.50 per 100.

MATRICARIA, 2-inch, 400 at $2.00 per 100.

HELIANTHUS RIGIDUS, 2-inch pots, 250 at $2.50 per 100.

PENNISETUM LONGISTYLUM, 2½ and 3-inch pots, 1,200 at $3.00 per 100.

CAREX JAPONICA VAR., 2-inch pots, 1,500 at $2.50 per 100.

CANNAS, 3-inch pots. Pierson's Premier, Chas. Henderson, Florence Vaughan and Queen Charlotte, $5.00 per 100.

Nathan Smith & Son, Adrain, Mich.

Geraniums

Jean Viaud strong, 2½-inch, $25 00 per 1000.
S. A. Nutt, etc., strong, 2½-inch, $20.00 per 1000.
S. A. Nutt, etc., 4-inch, $5.00 per 100.

ASPARAGUS PLUMOSUS, fine, 2½-inch, $5 per 100.
SMALL FERNS, for dishes, fine, 2½-inch, 4 varieties, $3 00 per 100.
ASPARAGUS SPRENGERI, strong, 2½-inch, $2.50 per 100.
HELIOTROPE, strong, bushy 4-inch, $5 00 per 100.
CHRYSANTHEMUMS, 20 varieties, fine, 2½-inch, $25.00 per 1000
CANNAS, strong, Chas. Henderson, 4-inch, $4.00 per 100.
CALADIUMS, strong, 4-inch, $4 00 per 100.
VIOLETS, Marie Louise, 2-inch, $2.00 per 100.

Carl Hagenburger, West Mentor, O.

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ASPARAGUS PLUMOSUS

4-inch strong, $10.00 per 100.

SMILAX, 2-inch, strong, $1.50 per 100.

BONE MEAL. Best in the market for Florists' use, $3.50 per 200 lb. bag.

ALBERT M. HERR, Lancaster, Pa.

COLEUS

Verschaffeltii, Yellow Queen, Golden Bedder, Klondyke, Black Prince and Mixed.

A lot of 3 and 4-inch Florence Vaughan and Mme. Crozy to be closed out cheap. Write

CANNAS

GEO. A. KUHL, PEKIN, ILL.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

ARECA LUTESCENS, per doz.—2½-inch, 75c; 3 $1; 3½, $2; 4, $3.
KENTIA BELMOREANA, doz.—2½-in., $1.50; 3, $2; 3½, $3; 4, $3 60.
KENTIA FORSTERIANA, per doz.—2½-in., $1.50; 3-in., $2; 3½-in., $3; 4-in., $4.
LATANIA BORBONICA, per doz.—2½-in., 60c; 3-in., $1; 6-in., $7.20; 7-in., $10; 8-in., strong, $18.
PANDANUS VEITCHII, per doz.—5-in., $12; 6-in., $18; 7, $30; 8, $42.
NEPHROLEPIS BOSTONIENSIS, per 100—2-in., $4; 3-in., $8. Per doz.—5-in., $3; 7-in., $9; 8-in., $12; 9-in., $18; 10-in., $24.
ASPARAGUS PLUMOSUS NANUS, 2-in., $4 per 100; 3-in., $8 per 100.
ASPARAGUS SPRENGERI, per 100—2-in., $3; 3-in., $8; 4-in., $12; 5-in., $15.
ARAUCARIA EXCELSA, 4-in., $6 per doz.
FERNS FOR DISHES, Etc., $3 per 100.
FERN BALLS, well furnished with leaves, $3 to $5 per doz.

The GEO. WITTBOLD CO.

1657 Buckingham Pl., Chicago.

ASPARAGUS.

	Per 100
Sprengeri, 2-in. pots	$2.00
Plumosus, 2-in. pots, ready June 15	3.00
Smilax, 2-in pots	1.50
Geraniums, to close out, mixed	2 00
PRIMROSES, CHINESE, OBCONICA and FORBESI, ready July 1st	2 00

CASH OR C. O. D.

JOS. H. CUNNINGHAM, Delaware, O.

YOUR LAST CHANCE.

BRIDES and BRIDESMAIDS, clean healthy stock, 3-in. pots, $3.50 per 100.
GERANIUMS, bud and bloom, 3½-inch pots at $4.50 per 100; 2¼-inch, $2.25 per 100.
SALVIA, (scarlet sage), fine 2½-inch pots, $2 50 per 100
ALTERNANTHERA, (3 varieties), fine 2-in. at $1.50 per 100.
AGERATUM, (3 varieties), 2-in., $1.50 per 100
GOLDEN BEDDER and ASSORTED COLEUS, 2-in. at $1.50 per 100.
Rooted cuttings of Assorted Coleus, 55c per 100.
CASH PLEASE.

R. I. HART & BRO., Hackettstown, N. J.

FOR SALE.

1800 Myrtle Plants

From 2½-inch pots, extra heavy stock, at **$3.00** per 100; **$25.00** per 1000. Rooted Cuttings from flats, **$1.50** per 100; 2½-inch size. Planted out now will make nice stock for Winter Trade.
Unknown parties cash with the order.

Chas. Schweigert, Niles Center, Ill.

Everybody is more pleased if you say "saw your ad. in the American Florist" when writing.

Boston Ferns.

Fine plants, $25 per 100.

DRACÆNA INDIVISA, 6-inch, $6.00; 7-inch, $7.00 per doz.; 2 ft. up, extra fine.

KENTIAS, 6-in., $75 and $100 per 100.

20,000 GERANIUMS, 3½ and 4-in., in bud and bloom, $7 per 100, upwards. Nutt, Jaulin, Poitevine, Mt. Snow, La Favorite, etc., etc., and new ones—Jean Viaud, Jacquerie, Thos. Meehan, etc., etc., straight kinds.

COLEUS, Verschaffeltii, Golden Bedder and mixed, 2-in., at $30 per 1000; 3-in., $40.

Alternanthera, 3 kinds, $15 per 1000.

L. H. Foster, 45 King St., Dorchester, Mass.

Please mention the American Florist when writing.

BEDDING PLANTS Surplus stock of following: Ageratum Stella Gurney, Cobæa, Verbenas mixed, from 2½-inch pots, $2.50 per 100.

Alternanthera, Achyranthes, Coleus mixed, Lobelia Speciosa, Nasturtium tall, Pyrethrum, Iresine, German Ivy, Salvia, Stevia var., Vinca var., Rose Geranium, from 2 and 2½-inch pots, $2.

Abutilon mixed, Petunia, Geraniums Mme. Salleroi, S. A. Nutt, Heteranthe and mixed, from 2½-inch pots, $3.

Abutilon, Cannas, Cobæa, Nasturtium tall, German Ivy and Tradescantia, from 3-inch, $4.00.

Carnation Marguerite in bud, Geraniums mixed, Heliotrope and Petunia, from 3½-inch, $6 per 100.

Pansies and Daisies, in bloom, $1.50 per 100; in bud, $1.00. Cash with order. **LUDWIG MOSBEAK, 8500 Anthony Ave., near So. Chicago Ave., Chicago.**

'Dryden'

Geranium, the finest of all bedders, 3½-in. pots, $6 00 per 100; 2½-in., $4 00 per 100. Cash please.

HENRY EICHHOLZ, Waynesboro, Pa.

Please mention the American Florist when writing.

Helena, Mont.

STATE NURSERY COMPANY ADDING LARGELY TO ITS RANGE OF GLASS.—LARGEST PLANT IN THE NORTHWEST.—FINE BUSINESS DOING.

The season's addition to the plant of the State Nursery Company consists of an even dozen houses 16x130. They are well built, well equipped structures and when completed will be planted mostly to carnations, for which there has been a call much greater than the supply the past year or two. With this addition the State Nursery Company will have a total of 78,000 square feet of glass, all in good shape and turning out profitable crops. It is considerably the largest place in its section of the country. One of its advantages is natural hot water for heating.

The firm conducts two retail stores, one in Helena and the other at Butte, each doing a nice business in cut flowers and plants and handling considerable quantities of seeds in season. C. W. S.

Minneapolis.

DEMAND VERY LARGE FOR MEMORIAL FLOWERS.—BEDDING STOCK ALL CLEANED UP.—CARNATIONS PLENTIFUL BUT ROSES SCARCE.

Memorial day trade was very heavy, a much larger business than last year. Bedding stock was cleaned out and by Friday noon none could be secured. In cut flowers it was the same way. Although there seemed to be an abundance of carnations, they were soon taken, as there were few roses to be had. The fancy roses brought up to $8 per hundred. Carnations were small, because of the intense heat of late. Outdoor lily of the valley is in market and looks prime, finding ready sale. Shipping trade was heavy, but trouble was experienced in filling all orders up to the notch. A large consignment of cape jasmine from Texas found ready sale, there being no outdoor flowers to speak of.

C. F. R.

HOLYOKE, MASS.—E. D. Shaw filed a petition in bankruptcy at Boston May 29. His liabilities are placed at about $3,300 and the assets nothing. Mr. Shaw's financial troubles began several years ago, when the Rosemont greenhouse became his property. R. A. Allyn has charge of Mr. Shaw's interests.

TO MAKE ROOM I OFFER

150 Kentia Belmoreana, 2¼-in.....$5.00 per 100
400 " " 3-in.....10.00 per 100
200 " " 4-in., 2d size 15.00 per 100
100 Latania Borbonica, 3-in..... 5.00 per 100
100 Pandanus Utilis, 2¼-in..... 4.00 per 100
75 " " 3-in..... 8.00 per 100
400 Selaginella Emmeliana, 2¼-in.....3.00 per 100
All healthy stock. Cash with order.

JOSEPH E. BONSALL, SALEM, OHIO.

Cannas

Strong plants in 4-inch pots at $6 per 100 of the following varieties: Chicago, Allemania, Alphonse Bouvier, Compte Bouchard, J. G. Eisele and Bassett's Red.

H. N. HOFFMAN, ELM'RA, N. Y.

GERANIUMS

From 4 inch pots, strong plants in bloom. S. A. Nutt, Queen of the West and standard varieties of CANNAS at $7.00 per 100.

Mrs. Geo. Waldbauer, Saginaw, W. S., Mich.

Please mention the American Florist when writing.

Plant and Rooted Cutting List

NOW READY FOR SHIPMENT.

ROOTED CUTTINGS.

	Per 100
Coleus, Red Verschaffeltii	$ .75
Geraniums, Mme. Pollock	1.50
" Happy Thought	1.50
English Ivy	1.00
Heliotrope	.60
Chrysanthemums	1.25

POT PLANTS.

	Per 100
Pteris Tremula, 2¼-inch	$1.50
Pteris Tremula, 2½ inch	2.25
Pteris Tremula, 3-inch	4.00
Roses, Ulrich Brunner, 2¼-inch	3.00
Hydrangea Otaksa, for growing on, 4-inch	5.00
Hydrangea Otaksa, " " 5-inch	7.00
Hydrangea Otaksa, " " 6-inch	10.00
Hydrangea Otaksa, " " 7-inch	15.00

CHRYSANTHEMUMS W. H. Lincoln, Jerome Jones, Golden Wedding, Philadelphia, Ivory, Thornden, Pres. Smith, Minnie Wanamaker, Louis Boehmer, Maud Dean, Viviand-Morel, Major Bonnaffon, G. W. Childs, Mme. Bergmann, Glory of Pacific, J. G. Whilldin. Rooted cuttings, grand stuff, $1.25 per 100; $10.00 per 1000.

☞ All the above sold on the positive guarantee of their being first-class, if not, your money at once refunded.

Having to rebuild our greenhouses this season the following stock is in our way at the start. If you want any speak quick: Asparagus Plumosus, 3-year, from bed fine clumps, $18.00 per 100. Kentias, 2½-inch, very fine, $5.00 per 100. Roses—Ulrich Brunner and Paul Neyron, 2-year-old, from boxes, own roots, $8.00 per 100. Kentia Seedlings, from flats, 1-year, $3.50 per 100. Geranium Mrs. Pollock and Happy Thought, 1 and 2-year stock, plants from bench, $6.00 per 100. Cannas, 4-year-old, $5.00 per 100. Steel Wire Stakes, galvanized, No. 8 wire, 3 feet, used one season, $5.50 per 1000.

JOHN IRVINE & SONS, Bay City, Mich.

125,000 ASTER PLANTS

Best florist's cut flower varieties; all transplanted. Strong plants, bushy roots; sure to please you.

ASTERS, Hohenzollern, pure white, delicate rose and red (Roemer's), last year novelty, grandest aster to date. Mammoth size, 7 inches across, double to center, resembling a large Japanese chrysanthemum, unsurpassed for cutting or bedding, plants branching, with strong stems 18 to 20 inches long, 75c per 100; $6.00 per 1000.

Queen of the Market, white, red, pink and mixed.

Florists' Upright Branching, outer petals recurved, center petals incurved, superb cut flower, pure white, daybreak pink, fiery scarlet and lavender.

Late Branching or Semple's, white, rose pink, lavender, red and mixed.

All the above are the best money makers for florists, strong, healthy plants, assorted to suit, 50c per 100; $4.00 per 1000. Express prepaid for cash with order.

DES MOINES PLANT CO.,
38th St., Des Moines, Iowa.

A FEW GOOD THINGS YOU WANT.

KENTIA BELMOREANA and FORSTERIANA, special price to reduce stock. 2½-in., 8c; 3-in., 15c; 4-in. 25c; 5-in., 50c; 6-in., $1.00. 3, 4, 5-in ARECA LUTESCENS, 2 and 3 plants to a pot, same price. These are excellent lot of clean, cool grown plants.

BOSTON FERNS, 4c, 8c, 15c, 30c and 50c each.

DRACAENA INDIVISA, 3, 4, 5-in., 6c, 10c, 25c each.

GERANIUMS, 2-in., Bonnat, double and single Grant, La Favorite, S. A. Nutt, Atkinson, Salleroi, Poitevine, M. Barny, Kleher, John Doyle, Jaulin, Riccard, Mrs. E. G. Hill, Perkins. Per 100—2-in., $3.00; 3-in., $5.00.

ASPARAGUS SPRENGERI, 2-inch, $3.00 per 100; Plumosus, 3-inch, $8.00 per 100.

ENGLISH IVY, 2-in., $3.00; 3-in., $6.00 per 100. Verbena, Petunia, Smilax, Achyranthes, Lobelia, Coleus, Alternanthera, Tomato Plants, Campbell Violets, Aster, Ageratum, Heliotrope, Vinca Var., Giant Alyssum, Scarlet Sage Clara Bedman, 2 in., $2.00 per 100; 3-in., $4.00 to $5.00 per 100.

Send for wholesale lists. Cash or C. O. D.

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

THE KINNEY PUMP. For applying Liquid Manure it has no equal! Sent prepaid for $2.00.

Address The HOSE CONNECTION CO. KINGSTON, R. I.

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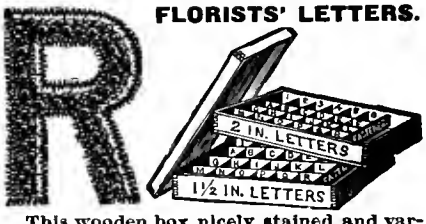
Boston Florist Letter Co.

MANUFACTURERS OF FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1½ or 2-inch size, per 100, $2.00.
Script Letters, $4. Fastener with each letter or word.

Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

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QUAKER CITY MACHINE WORKS
RICHMOND, IND.

Fresh Tobacco Stems.

Bales of 300 pounds, $1.50.

CASH WITH ORDER.

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A. HERRMANN,

Cape Flowers, ALL COLORS;
Cycas Leaves, Metal Designs,
AND All Florists' Supplies.
Send for Prices.
404-412 East 34th St., NEW YORK.

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Importer and Manufacturer of

FLORISTS' SUPPLIES

Complete Stock—New Goods—New Illustrated Catalogue Now Ready. Send for it.

103 W. 28th St., near 6th Ave., NEW YORK.

OUR DIRECTORY for 1902 is now ready, with many changes and new features of the greatest value to all branches of the trade. Price $2.00.

NEXT! HOW ABOUT GRADUATIONS?

School children by tens of thousands will graduate in June and every one will want a

COMMENCEMENT BASKET

We have them to suit all tastes and all pockets; new styles and fancy material. Put a collection of them on view and they will sell themselves. There are sure to be some

WEDDINGS IN JUNE

Write Us For List

and Low Prices of outfit to complete a Wedding Decoration in Modern Style.
YOUR CUSTOMERS WILL BACK YOU UP.

H. BAYERSDORFER & CO.,

Manufacturers of and Dealers in Florists' Supplies of Every Description.

Most Extensive Stock on the Continent. 50-56 N. 4th St., PHILADELPHIA, PA.

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Greenhouse Bugs

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"NICOTICIDE"

Clean and harmless as **Fumigant** or **Spray.** Ask your seedsman for it or write to

The Tobacco Warehousing and Trading Co.,

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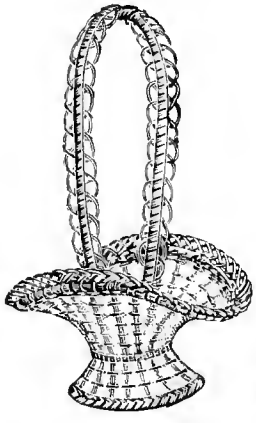

Baskets for June Trade.

A large assortment in good, cheap and medium styles at bargain prices in collections as follows:

Collection No. 1 consists of 20 Baskets for $5.00.
Collection No. 2 consists of 45 Baskets for $10.00.

SPHAGNUM, FOIL, RIBBONS, WIRE DESIGNS of Real Value,

Not cut in **quality** for the sake of skinning prices.

Vaughan's Seed Store, CHICAGO: 84-86 Randolph St.

TIN FOIL

Plain, Fancy, Printed & Mounted,

Manufactured by

The Conley Foil Co.

521 to 541 West 25th St.,
NEW YORK.

MOLLER'S

Deutsche Gartner Zeitung

The most widely circulated German gardening journal, 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 Zeitung is published weekly and richly illustrated. Subscription $3.00 per annum, including postage. Sample copies free.

LUDWIG MOLLER, ERFURT Germany

KIFT'S Patent **ADJUSTABLE VASE HOLDER**

No. 1.—Brass, nickel, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) $2.25. Price complete (with green or white cornucopia vases) $2.50. No. 2.—Heavy 4 ft. rod, brassed and nickeled, with three clasps for 5 to 6-inch pots, each $1.75.

KIFT'S PATENT Rubber Capped FLOWER TUBES, 1½-inch diameter, per 100, $3.50.
JOSEPH KIFT & SON, 1725 Chestnut St., Phila., Pa.

GALVANIZED WIRE—AT BARGAIN PRICES.

Fifty car loads of new galvanized wire, in short lengths. Never was used. Comes from 6 to 10 gauge. Put up 100 lbs. to a coil and only one size wire to each bundle.

Prices range from $1.40 to $1.90 per 100 pounds.

Our Free Catalogue No. for the asking. We handle all kinds of supplies from Sheriff's and Receiver's Sale.

Chicago House Wrecking Co.
West 35th and Iron Sts., Chicago.

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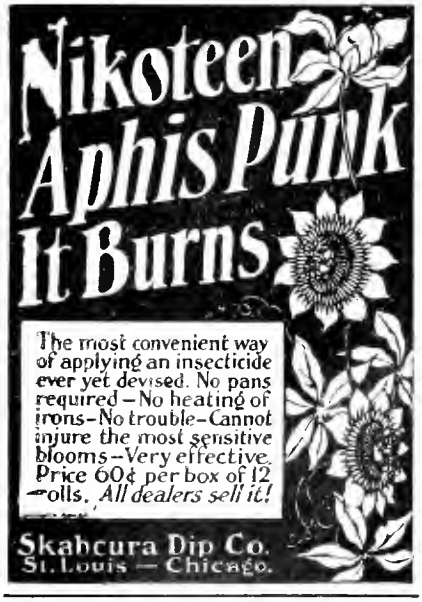
$19.45 TO SARATOGA AND RETURN $19.50

via Nickel Plate Road, to leave Chicago, June 5, 6, 8 and 9, open return limit until June 17th, 1902. By depositing ticket with Agent, Terminal lines, on or before June 17th, and payment fee of Fifty cents, an extension until July 2nd, 1902, may be obtained. City Ticket Office, 111 Adams St., Chicago. 'Phone Central 2057. 18



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Lowell, Mass.

TRADE TAXES ALL FACILITIES FOR MEMORIAL DAY. — WONDERFULLY HEAVY DEMAND—LARGE QUANTITIES OF MATERIAL AT HAND BUT ALL CONSUMED — GOOD BUSINESS FOR JUNE.

Memorial day is the hardest holiday we have to handle and this year business was unusually heavy. The weather was fine and the call for flowers something enormous, and the supply of flowers outside of greenhouse stock was more than abundant. Rhododendrons, Japan snowballs, irises and other outdoor material were just the things for making up cheap bouquets, and a good many thousands have to be made here on this day. There was a large supply of stocks and candytuft and feverfew, which sold readily at $1 a bunch. Carnations that were leaping skyward before the rush, fell in price and blooms of excellent quality sold for $2 per hundred. Brides and Bridesmaids were in good supply, but on this particular day customers do not want many roses. Sweet peas sold well and were in unlimited quantity. The supply of pæonias was limited and they were soon snapped up at $1.50 per dozen. Longiflorums were to be had in large quantities, the quality being excellent, even better than those seen here at Easter. Everything being figured up, Memorial day was very satisfactory from a financial point. Many of the stores previous to the rush were open all night, getting things in shape, and when Friday noon came it found most of them cleaned up in good shape, with no stock for Saturday and not much chance of getting any. Business, with the hot weather, continues to hold up well since the beginning of June. Some of the schools are having their commencements and the "sweet girl graduates" will come in for a large supply of cut flowers during the next few weeks. A. M.

UTICA, N. Y.—A. & J. Williams, on the Deerfield road, are removing their stock to 183 Mohawk street, opposite St. Agnes' Cemetery.

CUT FLOWER BOXES

WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable, handy. To try them once is to use them always.

DON'T USE OLD STORE BOXES.

If you have any doubt, send for samples, which speak for themselves.

Size No. 1.	3x4½x16	$1.75 per 100;	$15.00 per 1000		
" No. 2.	3x6x18	2.00	"	18.00	"
" No. 3.	4x8x18	2.40	"	22.00	"
" No. 4.	3x6x20	2.75	"	25.00	"
" No. 5.	4x8x22	3.00	"	28.00	"
" No. 6.	4x8x28	3.75	"	35.00	"

THE LIVINGSTON SEED CO.
BOX 103, COLUMBUS, O.

ROSE LICE

RED SPIDER AND MILDEW
ON ROSE BUSHES PREVENTED BY
SULPHO-TOBACCO SOAP.
(PATENTED.)
A Valuable, Inexpensive Insecticide.
A trial sufficient to prove its exterminating qualities. Write for special offer to Florists. Sample cake, enough for 1 1-2 gallons easily prepared solution, for 10 cents.
LARKIN SOAP CO., Buffalo, N. Y.

KILLED

Now Come June Weddings and School Commencements. Are you prepared for same? Look over your stock, and send us your orders. We can promptly fill them from our LARGE STOCK OF UP-TO-DATE SUPPLIES. We give exceptionally good value in all lines. Catalogue for the asking.

Leading Florists' Supply House.

M. RICE & CO., Importers and Manufacturers
918 Filbert St., Philadelphia, Pa.

OUR NEW FOLDING
Cut Flower Box
IS A PERFECT GEM. SEND FOR SAMPLE.
HOLTON & HUNKEL CO.
MILWAUKEE, WIS.

GREENHOUSE MATERIAL.
Cal. Red Cedar and La. Cypress.
BEST GRADES. PERFECT WORKMANSHIP.
Write for Catalogue and Estimates.
A. Dietsch & Co. 615-621 Sheffield Ave. Chicago, Ill.

ESTABLISHED 1866 EMIL STEFFENS SUCC.TO N. STEFFENS AND STEFFENS BROS
MANUFACTURER OF
FLORISTS' WIRE DESIGNS & SUPPLIES
335 EAST 21ST ST. NEW YORK CITY.

"BLACK DEATH" (POWDER) TO EAT THEREOF IS TO DIE.
BUG KILLER and FERTILIZER. Three years of unprecedented success wherever introduced all over the United States has proved "BLACK DEATH" to be a cheap and absolute annihilator of all insects, bugs or beetles that prey on vegetation, foliage and flowers. See what Peter Reinberg said in this paper, Feb. 8. Other strong indorsements sent on receipt of postal card.
Western Sales Agency, 235 Franklin St., Chicago.
HANDLED BY SEEDSMEN. S. D. STRYKER, Agent.

WE NOW OFFER
"Chemicals"
for making LIQUID COMPOST.
Dry powders all soluble in water. Composts cost less than ½c per gal. Correspondence invited.
EASTERN CHEMICAL COMPANY,
620 Atlantic Ave., Boston.

SARATOGA EXCURSION

June 5, 6, 8 and 9, at rate of $19 45 for the round trip. Final return limit July 2nd, 19 2, via Nickel Plate Road. Three daily trains to New York and Boston City Ticket Office, 111 Adams St, Chicago. 'Phone Central 2057. 19

IRON RESERVOIR VASES AND Lawn Settees
Manufactured by
McDonald Bros.
COLUMBUS, O.
The Largest Manufacturers of these Goods in America.
Send for Catalogue.....

2nd-HAND BOILERS

We have in stock a great number of good second hand boilers, low pressure, which we will sell at

Bargain Prices

consisting of the following:

10—48x12 horizontal tubular boilers, each $125.00

3—42x10 horizontal tubular boilers, each $100.00.

6—36x12 horizontal tubular boilers, each $75.00.

1—Kroeschell hot water boiler, 100 feet capacity, $75 00.

100,000 feet 2-inch second hand boiler tubes which we furnish with sleeve couplings, oakum and cement, per foot 6 cents.

50,000 feet 4-inch flanged wrought iron casing, per foot 16 cents.

Ask for Our Catalogue No. 47.

Chicago House Wrecking Co.,

West 35th and Iron Sts., Chicago, Ill.

Sprague Smith Co.

PLATE AND WINDOW GLASS

Greenhouse Glass a Specialty

205 Randolph Street, CHICAGO.

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Adjustable Plant Stands

THE BEST ON THE MARKET.

1 Stand $1.50; 3 Stands $4 00; 6 Stands $7.50; 12 Stands $14 00.

YOU NEED THEM IN YOUR BUSINESS.

C. B. WHITNALL, MILWAUKEE, WIS.

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"The kind that never fall apart."

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NURSERY SEED FLORISTS' CATALOGUES

87-91 Plymouth Place, CHICAGO

$ 9 00 TO BOSTON AND RETURN $19 00

via Nickel Plate Road, account of meeting of Christian Scientists, June 15th to 18th. Tickets on sale June 12, 13 and 14, with open return limit of June 21st. By depositing tickets with Joint Agent in Boston on or before June 21st, extended limit returning until JULY 31st, may be secured. Three trains daily. Through vestibuled sleeping-cars. American Club Meals served in dining-cars on the Nickel Plate Road; also meals a la carte. Address John Y Calahan, General Agent, 111 Adams St., Chicago, for reservation of sleeping-car space and other information. 8

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AFTER you have tried "Cheap Material" and find that it is not cheap, "TRY OURS."

Our material costs a little more than that furnished by planing mills, but it lasts much longer, as those who have tried both will certify.

Our large list of satisfied customers is our strongest endorsement.

If you want good material at proper prices, get ours. Estimates cheerfully furnished.

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JOHN C. MONINGER COMPANY.

GREENHOUSE MATERIAL

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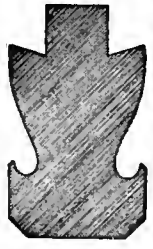

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Hanover, Pa.

MEMORIAL DAY BRINGS LARGE CALL FOR FLOWERS IN BATTLE SCARRED REGION.—SOLDIERS' CEMETERIES REQUIRE MUCH STOCK.—VARIOUS NOTES OF INTEREST.

Memorial day kept Frank C. Cremer more than busy. It was hustle from early morning till late at night, for besides his local trade Mr. Cremer had Gettysburg to provide for. Carnations have been much in demand, the supply, as usual upon such occasions, running short. Roses went well and everything having the semblance of a flower was pressed into service. Galax wreaths took well but immortelle designs had a limited call. Nowhere else, perhaps, does Decoration day recall the sad, or shall I say the glorious events of the past as vividly as it does in this section, where great battles have been fought. Every child, it seems, is imbued with a feeling of reverence for the memory of the fallen heroes. Flowering plants of all sorts sold exceptionally well. There is scarcely a home, humble or pretentious, but what has been made more attractive by the artistic touch of the landscape gardener, that is, the local florist.

D. Z. Stover, of Gettysburg, has concluded to quit, having sold his greenhouses, stock, fixtures and all to Mr. Cremer, who will transfer it to Hanover. It is Mr. Cremer's intention to grow more carnations than heretofore, although roses will by no means be relegated to a back seat. His carnation plants in the field look clean and vigorous.

NOMIS.

Springfield, Mass.

Last week the golden jubilee was held to celebrate Springfield's fiftieth year as a city. The jubilee was a great success and brought lots of outside trade to the city. The florists came in for their share, as everyone reports having all he could attend to. Decoration day was ahead of last year, there being a good demand for roses, carnations, lily of the valley, sweet peas, viburnums and hawthorns. Funkia variegata was plentiful and was largely used in made up work. Prices were about the same as former years.

Fairfield reports business ahead of last year with a good call for galax wreaths. Schlatter & Sons report sales good, with everything used up.

A. B.

CYPRESS

Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

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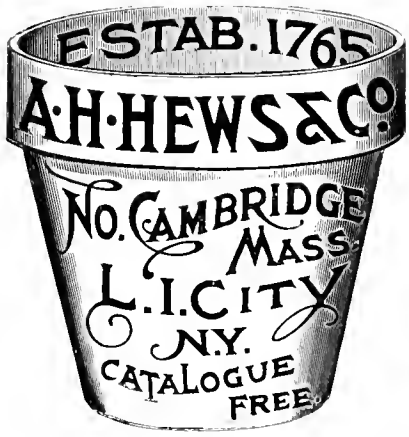

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1500	2½ "	6.00	48	9 "	3.60
1000	3 "	5.00	48	10 "	4.80
800	3½ "	5.80	24	11 "	3.60
500	4 "	4.50	24	12 "	4.80
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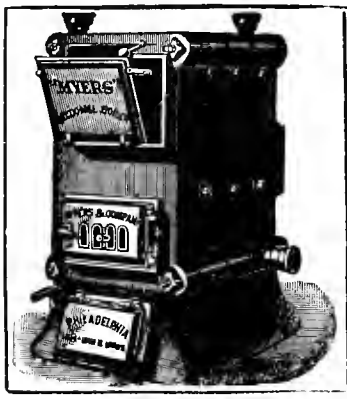

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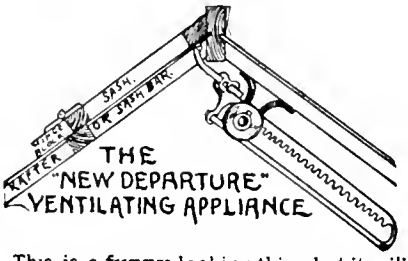

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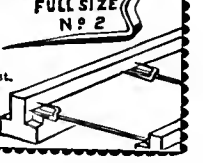
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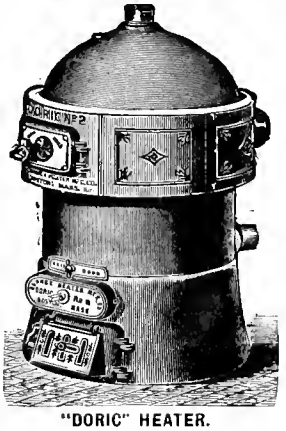
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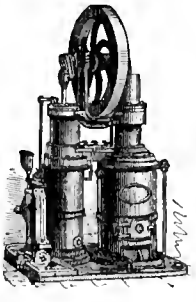

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America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XVIII. CHICAGO AND NEW YORK, JUNE 14, 1902. No. 732.

THE AMERICAN FLORIST

SEVENTEENTH YEAR.

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Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.
Eastern Office: 79 Milk St., Boston.

Subscription, $1.00 a year. To Europe, $2.00.
Subscriptions accepted only from the trade.

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THE AMERICAN CARNATION SOCIETY.

Annual convention at Brooklyn, N. Y., February, 1903. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Asheville, N. C., August, 1902. Edwin Lonsdale, Chestnut Hill, Pa., Sec'y.

AMERICAN ROSE SOCIETY.

Annual meeting at call of executive committee, LEONARD BARRON, 136 Liberty St., New York, secretary.

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The Retail Flower Store.

[A paper by J. F. Coombs read before the Florists' Club of Hartford, Conn., May 13, 1902.]

It is my opinion that the present season, which is now about at an end, is one of the most prosperous that the florists in this locality have had. Stock of all kinds has been generally good and better prices have been obtained than usual. We note this more especially of carnations. A year or two ago 35 cents a dozen was considered a good price for them, and even last season a number of these flowers were sold at that price, but this season few were sold for less than 50 cents a dozen, and many for 75 cents and $1 and sold more readily than those for 35 cents a dozen a few years ago. To be sure the cost is greater to produce the flowers which sell for 50 cents, 75 cents or $1 a dozen than those that sell at 35 cents, but there is more money in it, and it goes to show that the average customer is willing to pay a better price for good stock.

It seems to me that it is the general rule among florists to give too much credit, by letting accounts run too long and giving credit to people they do not know. I cannot tell the reason for this but it seems to be a falling that the majority of them have. If our business could be run on a cash basis what a fine business it would be. But this is not possible, especially in the business that is conducted on a comparatively large scale, for in many cases you take an order and run the risk of getting your money. For instance, if there has been a death in a family and one or more of the members come to order a design, or several designs, amounting to $10 or $25, or perhaps more, as the case may be, it happens very often that they do not have the money with them and will ask you to charge it, or perhaps they will walk out without saying anything about the pay, taking for granted that you will charge it anyway. That is the time you are running the risk. If you refuse the order you may be so much out, for your customer may be good for the amount and pay the next day after the funeral, and, on the other hand, if you do take the order you may lose.

But as a rule there is a smaller percentage of loss on funeral work than on any other part of the business. If you will try to get your money for funeral work immediately after the funeral, when the people are feeling bad, you are more apt to get it than if you let the account run. My experience is, the most difficult person to collect a bill for flowers from is the young man who has been in the habit of sending his lady friend flowers and for some reason they have had a falling out. In a case like this the florist ought to have the credit of sending the flowers, but he does not, as his card is not in the box. This sort of a customer will pay for his flowers at first and then commence to have them charged, and before you know it, or perhaps before he will realize it himself, he has run up a good-sized account and then does not want to pay for the flowers because his girl has gone back on him.

The question has been asked, is it advisable to have lady clerks in a flower store? I should say that it is, if the right kind can be had, though it is hard to find that kind, for the reason that many lady customers would rather trade with them than with a man. There are also many customers who think that a lady has more taste in arranging flowers, which I think in many cases is so. They are handy in tying ribbons and have an inclination to keep the store neat and clean. But they cannot demand the salary the man clerk gets for they cannot do the heavy work or stand the long hours the men have, nor is it expected of them. I understand in the western cities there are a number of women florists in business for themselves and conduct it very successfully.

I might say a few words here in regard to advertising. Does advertising pay the retail florist? I should say that a little of it does if it is done in the right way, but how are you going to tell? People are not coming in to tell you that they saw your "ad" in such and such a paper. The only way I know of telling is if, when you advertise some special flower, you have an unusual demand for the flower advertised it is a pretty good proof your "ad" has been read. I think the only way to advertise, if you are going to advertise at all, in a city the size of ours is by the line in the reading notices in the daily papers. General advertising in fair souvenir programmes, dance programmes, church, lodge or college papers, is not worth the time it takes to write the copy, but in many instances the storekeeper feels obliged to take a space because the person who is canvassing for advertising is one who has left him an order for flowers sometime previous. Of course there are exceptions, for I know of a few instances where an advertisement of this kind has really paid, but I think it is very rare.

I believe that the storekeeper who has

the neat store, a good display in his window and an attractive delivery team is the one who is doing the business, and I know that the florists in our city are lacking in some of these respects. But this is not all the successful one must necessarily have, for above all he must have a good supply and assortment of fresh flowers in his ice box. If a person is attracted by a fine display in a florist's window he naturally thinks he can get a good variety of flowers inside and a storekeeper, in order to hold his trade, should have, if possible, a good assortment of flowers always on hand.

I think it is more profitable in the end to have a little stock left over at night, once in a while, than to be sold out early in the day, for if a customer goes into a store two or three times in succession and finds he cannot get what he wants he is liable to go somewhere else for flowers the next time. I believe that the florists in our city should go in for novelties more than they do, for if something out of the ordinary is displayed in a window it will attract attention and serve to a certain extent as an advertisement, and, too, there are people who are looking for something different in flowers as well as in other things, and are willing to pay for them.

Probably the hardest part of our business is the long hours, for when you go to work in the morning you do not know what time you will get your dinner, whether you will get any supper or not, what time you will get through at night, or whether you will have to work all night. Our business is not of the kind in which you can get your orders ready very much ahead of the time they are wanted, especially a funeral order, for when an order of this kind comes in it has to be done in a hurry and the working force has to stay until it is finished.

I will close my paper by telling of a few of the different types of customers we have to deal with. Perhaps the most difficult customer to handle is the one who comes in to order flowers for a funeral and, having never purchased flowers before, does not know what he wants and has not the least idea of the cost of flowers. Usually the clerk can tell at once, if he is any way bright, whether his customer is in the habit of purchasing flowers or not and has to use his own judgment accordingly. The customer who is not in the habit of so doing, will approach the clerk something like this: "I want to get something for a funeral." Then you have to find out the best way you can what that something is. Perhaps it may be a design of some kind, or a bunch of roses, or carnations or a bunch of something else, or a sheaf of wheat, palm leaves, something made of ivy leaves, or loose flowers, or something that no one ever saw or heard of.

Let us suppose, for instance, that you have found out that a design of some kind is what is wanted. Then you will begin to show the different sizes of frames of the different designs, and when the price is asked you will say that you can make a wreath this size for $3, or that size for $5, or that cross for $5, or this one for $10, or that pillow for $5, or this one for $8. Then, after you have spent your valuable time in trying to find something to suit your customer, you will very often hear him say: "Have you no design you can make for 50 cents or $1?" Or perhaps they will tell you that they are not ready to decide just yet; they want to consult some of the rest of the family before they leave the order. And that is the last you ever hear from them.

I have in mind a little incident which happened one day which perhaps would not be out of place to tell here. A woman came in and wanted an elegant pillow with the word "husband" engraved on it. She mentioned some of the flowers she wanted it composed of, which were roses, carnations, violets, lily of the valley and other flowers, and when she was asked about what price she wanted to pay she said: "Oh I guess 75 cents ought to buy a pretty good one hadn't it?" I believe she left an order for one at $7 before she went out.

How many times a day do we hear the question asked: "Are these fresh?" It seems some days as if nine-tenths of the people purchasing cut flowers ask this question, and how it will make you feel like swearing when a customer will come in for perhaps a dozen roses and you will pick out a dozen of the best you have in stock and when you are about to put them in a box she will say, "I don't think I like them; they do not look fresh," when perhaps they have not been in the store over half an hour. You will do your best to look pleasant and try to convince her they just came in from the greenhouse, but then she will doubt your word and tell you that she will have some other kind of flowers or will look elsewhere.

Then we have the customer who will ask if all the different colored Lawson carnations are the same price, and the one who will ask the price of white Jacq. roses, and the one who will ask if we keep rain plants, meaning umbrella plants. Now I do not want to have you think that the majority of customers are of this type, for they are not, for there are customers who know just what they want and how much they want to pay. These are the ones it is a pleasure to wait on and the ones you try hardest to suit.

THE ESTABLISHMENT OF C. G. ANDERSON & CO., RED OAK, IA.

An Iowa Establishment.

C. G. Anderson & Company, in which firm C. G. Anderson and Charles Olson are partners, have the only greenhouses in Red Oak, Iowa, a modern place in every particular and doing a nice business. Their place is shown in the accompanying illustration. The houses were built last summer and the establishment is up-to-date in all its appointments. Besides a fine retail business the firm handles a large shipping trade to nearby towns. They grow a general stock of plants such as are usually provided for a local trade and also produce quantities of cut flowers, one of their specialties being funeral designs, many of them for wholesale customers.

Massachusetts Horticultural Society.

The annual rhododendron exhibition of the Massachusetts Horticultural Society, which had been planned for three days in the first place, was held on Saturday, June 7. The committee of arrangements in view of the fact that there would be no exhibit this year from the estate of the late H. H. Hunnewell and from other large collections, deemed it best to hold the show open only one day, and the decision was a wise one. The loss of the usual displays of rhododendrons from Wellesley, Lexington and other estates, left the exhibition a mere ghost of its former self, and it is to be hoped that other large growers will step in to fill the breaches another year. The show of cut rhododendrons was the smallest we ever remembered to have seen in Boston, more especially as the plants were just at their best. Mrs. J. L. Gardner, Wm. Thatcher, gardener, and Mrs. B. P. Cheney, John Barr, gardener, captured all the premiums for rhododendrons and azaleas. Mrs. Gardner was first for a fine display of Iris Germanica and Anthony McLaren's first prize pyrethrums were very good. Mrs. E. M. Gill and Miss N. B. Winter took the prizes for the best vase of flowers in the order named.

For the best table of orchids arranged for effect on a table eight feet by five feet J. S. Bailey, A. J. Newell, gardener, was a good first, J. E. Rothwell, Emil Johanssen, gardener, being second. Silver medals were awarded to Oakes Ames, R. M. Grey, gardener, for Cypripedium callosum Sanderæ, and to J. E. Rothwell for Lælio Cattleya Phœbe. A certificate of merit was awarded the last named for Cypripedium Mars. J. S. Bailey was awarded honorable mention for Kentia Duckhami. Gratuities were awarded to E. J. Mitton for a nice display of pelargoniums, to J. L. Little for Campanula Medium calycanthema, and J. S. Bailey for the popular old bedding Calceolaria Golden Gem, which is so much grown in Europe. In the way of miscellaneous cut flowers, E. S. Converse, D. F. Roy, gardener, showed rhododendrons; F. J. Rea, a collection of Iris Germanica which received a certificate of merit; A. H. Fewkes and W. J. Clemson, pæonias; C. W. Parker, Iris pallida Dalmatica; W. H. Heustis & Son, Kalmia latifolia; N. T. Kidder, Wm. Martin, gardener, aquilegias; and Julius Heurlin a grand lot of perennials. There were several other displays of a promiscuous nature.

The native plant class as usual evoked

VIEW OF THE RHODODENDRON SHOW ON THE F. B. HAYES ESTATE, LEXINGTON, MASS., IN THE OLD DAYS.

keen competition, Mrs. W. S. Eager, Mrs. Arthur Clark and Miss R. L. Mann winning in the order named. There was a good assortment of seasonable vegetables shown. W. N. C.

An Historical Rhododendron Show.

Several years ago when Oakmount, the famed estate of F. B. Hayes, of Lexington, Mass., was at the height of its glory, the rhododendron show in the great tent was an annual event of absorbing interest to horticultural Boston. There was the unrivaled collection of superb varieties, with their wealth of bloom giving testimony to the loving care and skill of unassuming, kind hearted, genial James Comley, and there was open hearted hospitality on the part of proprietor and gardener to all who wished to come and enjoy the great sight.

Now it has all passed into history. Oakmount is for sale in house lots, and this week is announced the final scene, the sale at auction of the household furniture and the stock of plants belonging to the estate of the late James Comley. Only a few days ago we chronicled the passing away of H. H. Hunnewell, who, with the late Mr. Hayes, was the mainstay for the grand rhododendron exhibition in June of each year at Horticultural Hall. Instead of the intended three-days show the exhibition this year was cut down to a Saturday afternoon affair and, with the passing away of the two main exhibitors of the past, it does not seem likely that it will ever again reach its former dimensions.

Under these circumstances the two illustrations which we present will be interesting and particularly so in a reminiscent way to many. Most of the plants shown under the tent were of the half hardy and tender varieties. They were stored over winter in an enormous pit, well-protected from cold and the labor of moving them and caring for them in tubs and pots was no light matter. Mr. Comley may be seen in one of the pictures surveying the beautiful scene which he had created.

The New York Exhibition.

The exhibition of the Horticultural Society of New York, held at the New York Botanical Garden, Wednesday, June 11, contained many good and interesting plant and cut flower displays, specially noticeable being the cut rhododendrons of Lowell W. Palmer, Greenwich, Conn., which was probably the most comprehensive exhibit ever staged in this country.

For the American Rose Society's medal, F. R. Newbold, Thos. Bell, gardener, Poughkeepsie, N. Y., made undoubtedly the best exhibit. It contained the following especially good roses: Margaret Dickson, Capt. Christy, Paul Neyron, Clio and Pres. Carnot.

Geo. C. Rand, John J. Nicol, gardener, Lawrence, L. I., showed a comprehensive collection of flowering shrubs, also a miscellaneous collection of hardy herbaceous flowers, the following among the most noticeable: Dictamus Fraxinella alba and rubra, Thermopsis Caroliniana, Iris ochroleuca, a beautiful waxy white, and some good pæonias and so forth.

W. A. Manda, South Orange, N. J., showed a collection of cut dianthuses, seedlings from D. plumarius and everflowering, also some good gaillardias and the pretty Gillenia trifoliata. He also exhibited the new rose, Bridal Wreath, a double white of the Wichnraiana type, very attractive and very floriferous.

For the best twelve pæonias W. H. S. Wood, Greenwich, Conn., L. H. Martin, gardener, showed twelve excellent blooms. The same exhibitor staged a collection of sweet peas which he said were grown by the following method: The seed was sown outdoors in the middle of October and when about three inches high the plants were protected by cold frames until spring. They were then staked and he commenced cutting about May 20. The following varieties were very fine: Peach Blossom, a quite novel salmon pink, approaching yellow; Boreatton, purple; Captain of the Blues, blue; Salopian, crimson.

Mr. Wood also showed a good collection of hardy perennials, the beautiful but rarely seen Pentstemon Murryanus grandiflorus being noticeable, also Heuchera sanguinea and Digitalis ambigua, yellow.

C. W. Ward, of Queens, L. I., also showed a very comprehensive collection of pæonias, including the officinalis and Chinese sections, double and single.

Mrs. J. B. Trevor, Yonkers, N. Y., Howard Nichols, gardener, exhibited cut roses, outdoor hybrids, among which were Baroness Rothschild, Clio, Gabriel Luizet, Anna de Diesbach and many others well grown. The display of one variety was also a fine lot of Mme. Gabriel Luizet.

The New York Botanical Garden exhibited a collection of species of roses rightly named and very interesting, also a collection of flowering shrubs.

But the collection of cut rhododendrons

shown by Lowell W. Palmer, A. Haas, gardener, containing nearly fifty varieties, was quite the feature of the show, the following showing up to best advantage: The Queen, white; Chas. Sargent, crimson, and Purpurenm elegans. There were also shown a fine lot of strawberries and vegetables of high merit by T. A. Havemeyer, Hempstead, L. I.; Mrs. Jos. Eastman, Tarrytown, N. Y.; Hugh J. Grant and Geo. C. Rand, Lawrence, L. I.

The Best Twenty-five Paeonias.

The following list is the result of an afternoon spent among the pæonias at the estate of John T. Morris, Esq., Chestnut Hill, Philadelphia, Frank Gould, gardener. This pæonia collection is a large one and much pains has been taken to keep them correctly labeled. The varieties selected for the best twenty-five were the best in my opinion and this was concurred in by Mr. Gould and Mr. Lonsdale, who were present at the time the notes were made, and I mention also three good Japanese single varieties:

THREE JAPANESE SINGLES.

Nine-no-ichi, claret and gold.
Kasane-Jishi, pale pink and orange.
Kaine-no-kegororoa, light magenta and gold.

THE BEST TWENTY-FIVE.

Amandine Mechin, bright claret, very high and double, no collar.
Augustine D'Hon, very deep pink, very double.
Belle Chatelaine, white, pale pink collar, large and round.
Comtesse de Montalivet, white shading to blush at outside, large, rather flat.
Festiva Maxima, pure white, center petals touched carmine, large flower.
Jeanne D' Arc, white, large, wide guard petals, center fringy.
Lady Anna, pink, medium size, round and perfect.
La Coquette, medium, very deep, pale pink, good collar.
Livingstone, pink, round, no collar.
Mme. Barillet Deschamps, blush, large, ragged but pretty good.
Mme. Boulanger, pale pink, flat, smooth and perfect
Mme de Verneville, grand, snow white, large, flat, no collar.
Compt de Nieperg, ruby, medium
Mlle Desbaisson, pale pink, shading to deeper at base of petals medium, ragged, no collar, flat.
Meissonier, crimson, round, medium, fringed center, ragged, wide guard petals.
Mme. Edouard Andre, like Festiva Maxima but smaller and not as perfect.
M. Boucharlet bright pink, round, perfect shape, very double, well expanded
M. Dupont, pure white, loose, but quite double, medium, no guard, fine shape
M. Gaillard, magenta, conical, large guard petals.
M Lemoiner, white, blush guard, large, loose, conical.
Paganini, show, white, medium, ragged, fine flower.
Pottsi Plena, claret, large, ragged, fine flower.
Souv. de Auguste Miellez, pale pink, very double, good.
Solfaterre, white, shading to orange at base.
Virgo Maria, white, very large, flat, a grand flower.

GEO. C. WATSON.

Brooklyn Horticultural Society.

At a meeting of Brooklyn and Long Island florists held on Tuesday, June 10, at the Association rooms, 502 Fulton street, Brooklyn, N. Y., a society was formed to be named the Brooklyn Horticultural Society, organized for the purpose of taking in hand the preparatory work consequent upon the forthcoming meeting of the American Carnation Society, which is to be held in Brooklyn, N. Y., in February, 1903. The following officers were elected: C.W. Ward, Queens, N. Y., president; Alfred H. Langjahr, Brooklyn, N. Y., vice-president; Alex. Wallace, 2 Duane street, Box 1697, New York City, secretary; C. G. Weeber, Brooklyn, N. Y., treasurer. Another meeting will be held at same place on Tuesday evening, June 17, at 8 o'clock and all interested are invited.

A fund to provide ways and means for the entertainment of the members of the carnation society was instituted, and from the amount subscribed at the initial meeting it is very evident that the Brooklyn and Long Island florists will take no second place in providing a most cordial and hospitable reception to the visiting brethren in February next.

All communications regarding the new society should be addressed to the undersigned. ALEX. WALLACE, Sec'y.

Chicago.

OPTIMISTIC SPIRIT PREVAILS IN THE WHOLESALE MARKET—BRISK DEMAND ON MANY ITEMS.—PÆONIAS SELLING VERY RAPIDLY.— WHOLESALERS RELUCTANT TO CHEAPEN CARNATIONS TO CURBSTONE DEALERS PRICES.—WEDDING MATERIAL WANTED.—COMMISSION MEN REPORT BIG BUSINESS.—NOTES OF VARIOUS PERSONAL AND TRADE DOINGS.

There has been a fairly active market this week but values have been low. The shipping trade continues brisk and local weddings have called for considerable stock. The receipts of roses are not unwieldy, but qualities are poor and a large proportion of the daily receipts are unfit to send to a buyer who is not in touch with market conditions. Beauties are no longer over-plentiful. Carnations continue to come in heavily and with some growers the quality is deteriorating on account of hot sun and lack of care. The consequence is that there is a considerable accumulation of the lower grade stock but the wholesalers are manifesting a disposition to steer clear of the error into which they fell last year. There is nothing in handling carnations at less than 40 cents per hundred, but last season, as soon as clean-up sales began to be made at 5 cents a bunch that was all the street salesmen were at any time willing to pay. Now, however, the growers, seem to prefer to throw away a few carnations rather than cheapen their product to last year's level. Aside from roses and carnations the pæonia is still the leading flower in this market. They are in very active demand and very large quantities are being moved, good, bad and indifferent. The choice stock is bringing 75 cents a dozen, although Drop White, as Festiva Maxima has long been known locally, is being sold at 50 cents. But the poor stock is bringing little money. A large proportion of the receipts lately have been too far open and, no matter how choice the variety, such material cannot be shipped, nor can it be sold except for immediate use and necessarily at cheap prices. Sales are on record where this class of stock has been sold at 5 cents a dozen. While the returns for this material average lower than ever, because there never before were so great quantities of it, the sale of the choice bunches is not affected; indeed both E. E. Pieser and A. Kennicott agree that it is averaging rather better money than usual. While the garden crop is approaching an end, there are two or three firms with good quantities in cold storage. However, the supply is not likely to last long and Mr. Kennicott, for one, thinks it will be exhausted before school closing, June 27. Certainly the pæonia is gaining in popularity every year. A few poppies and gladioli and other summer flowers are seen but in general the odds and ends, like pansies and swainsona, do not find much of a market, although good sweet peas, lily of the valley, smilax and asparagus move briskly, being in demand for weddings. For a couple of days this week there was no valley to be had.

All the retail florists of the city were invited to attend a meeting of the Horticultural Society of Chicago, June 10, for the purpose of consulting and advising as to the premiums that should be offered for floral arrangements at the annual fall exhibition. It is to be regretted that only two of the strict retailers, P. J. Hauswirth and Walter Retzer, put in an appearance. Beyond an informal discussion of the subject, no action was taken on account of the small attendance of retailers.

At the regular meeting of the Florists' Club, June 11, two summer outings were suggested, one a lake trip and one in the vicinity of Chicago. Arrangements and dates will be announced in due course. The regular meetings were suspended until the second week of September.

Although Prosperity has brought regularly the highest price of any carnation in this market this winter, Peter Reinberg says there has been no money in it for him, even including the sales of cuttings, and he will not bench any of it next autumn.

James Hartshorne has been sending in great quantities of pæonias from Joliet, where he has undoubtedly the largest field of pæonias in the United States, approximately ten acres. They have sold well, except those which were too open.

Paul Swanson sold $2,500 worth of mushrooms from four small sheds up to May 1, and expects to increase the amount to $3,000 before the first of July. He attributes his success to the home-made spawn which he employs.

Fire did several hundred dollars damage at Peter Reinberg's place on Sunday evening. The blaze destroyed a boiler shed and one side of an adjoining empty greenhouse. There was no insurance.

Leopold Koropp is adding a new house 20x100 to his place at Wellington and West Ravenswood Park avenue. He says that this season he is going to plant all his Asparagus decumbens seed.

Walter Kreitling & Company secured the decorative work on the Washington Park Club for the annual celebration which takes place before the opening of the popular race track next Saturday.

E C. Amling filled an order for ninety dozen American Beauties on Wednesday. Mr. Amling says that the first week in June was the biggest outside of holidays in his business career.

J. B. Deamud is well pleased with June business. It is about one third heavier than a year ago with him, but he has found a good increase right along.

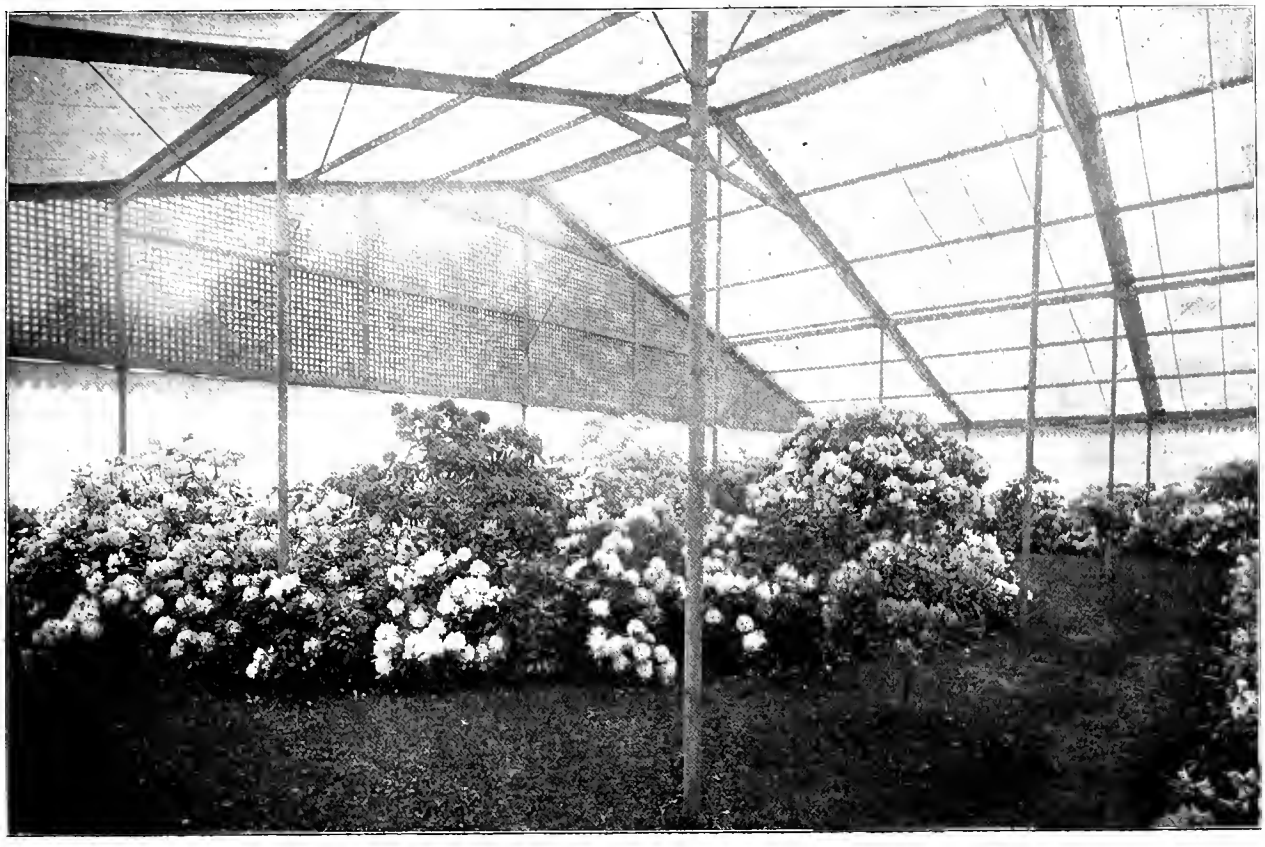
"Pæonia affairs" appear to be popular with local society people this year. It is a good idea to encourage them as they use up a lot of the flowers.

W. S. Ross & Son, of Alma, Ill., are shipping in great quantities of sweet peas. They are mostly short-stemmed but are selling well.

If the rains let up for a while now the stock in the fields will be in great shape. The ground has been too soft to work on for three weeks.

One of Bassett & Washburn's boys, Hugh Woell, is at Alexian Brothers Hospital as the result of catching his foot in the elevator.

O. W. Frese is again at his accustomed post this week after a few day's vacation.



VIEW OF THE RHODODENDRON SHOW ON THE F. B. HAYES ESTATE, LEXINGTON, MASS., IN THE OLD DAYS.

J. A. Budlong is just home from a three week's cycle trip to St. Paul. Rains and soft wheeling made the trip going take two weeks.

A. F. Longren is doing all the glazing on the new houses of Poehlmann Brothers, Morton Grove, and John Brod, Niles Center.

M. Winandy is cutting some very fine roses, the Meteors exceptionally good for such warm weather. Deamud handles his cut.

Miss Kennicott, daughter of Flint Kennicott, graduated from the Conservatory of Music Tuesday evening.

At Klehm's Nursery they are cutting longiflorum lilies which are a long way ahead of the Easter crop.

Visitors: P. J. Van Heiningen, representing P. Loeb Az. & Co., nurserymen, Boskoop, and J. Van Reisen & Son, bulb growers, Haarlem, Holland; Mr. Currie, of Currie Bros., Milwaukee; Benjamin Chase, Derry, N. H; Joseph Heinl, Jacksonville, Ill.; N. Zweifel, Milwaukee; W. B. Lovell, Sabula, Ia.; R. C. Chase, Huntsville, Ala.; Chas. Brown, Canton, O; J. J. Styer, Concordville, Pa; J. H. McFarland, Harrisburg, Pa.; R. C. Berckmans, Augusta, Ga.; G. C. Perkins, Newark, N. Y., J. C. Rennison, Sioux City, Ia., and others attending the waterworks convention in Chicago or enroute to the nurserymen's meeting at Milwaukee.

NEW CASTLE, IND.—Myer Heller and his family have gone east for the summer. Mr. Heller has not been in good health lately and feels the need of rest. At the greenhouses everything is in good shape, the Beauties particularly fine for the season. They have thrown out very few plants yet, the plants having been given rather different treatment than a year ago. They expect to cut good Meteor all summer, also Golden Gate. A few Kaiserins are giving a good account of themselves.

Boston.

MARKET GLUTTED WITH FLOWERS—HOT WEATHER RESPONSIBLE. — DROUGHT TELLING ON STOCK OUTDOORS.—EXPRESS COMPANY MAKES NEW DEPARTURE.—AIDS WHOLESALE FIRM DURING BUSINESS RUSH.—NOTES.

The hot dry spell we have been suffering from for the last two weeks is responsible for the glut of flowers on the market at time of writing. The depreciation in quality from the preceding week is accounted for by the same cause. American Beauty ranges from $2 50 a dozen to $1.00 per 100. Queen of Edgely sells fully as well as American Beauty. Bride, Bridesmaid, etc., running very small and off color, from 50 cents to $6 and $8 per 100; the latter in small quantities. Carnations last Saturday went well at $2 to $3 per 100; now they go hard at $1 per 100, except a few fancies, which reach $2. Sweet peas in vast quantities at 20 cents to 50 cents per 100. Smilax goes well at $1.50 to $2.00 per dozen. Pæonias in bulk bring from $2 to $6 per 100. Asparagus plumosus is in good demand. Cold-frame lily of the valley in large quantities brings from $1.50 to $2, forced material going fairly well at $2 to $3 per 100.

We hear that the American Express Co. placed at Welch Brothers' disposal for three days previous to Decoration day, a team and two men to help them handle their goods with greater dispatch. We believe this is the first time in the history of the Boston flower business that such a thing has been done.

The prolonged drought, combined with the hot windy weather we are experiencing, is beginning to have an effect on outside planting that will have to be offset with the sprinkler or the results will be apparent when we come to house in the fall.

There is not the slightest doubt but that the demand for flowers at Decoration day is growing more rapidly in this section than at any other of the "red letter" days in the calendar.

The scarcity of hardy ferns just previous to Decoration day was a handicap to many of the bouquet makers, but quantities came on just at the last and helped out amazingly.

Late spring work is probably responsible for the scarity of the boys in town the past week.

Visitors: A. T. Boddington, of Clucas & Boddington, New York; James S. Wilson, Vaughan's Greenhouses, Western Springs, Ill. C. I.

New York.

CLUB HAS AN INTERESTING SESSION AT CIVIC HALL.—COMMITTEES REPORT PROGRESS.—DISCUSSION ON PÆONIAS.—THE EXHIBITS.—EUROPEAN VOYAGERS—THE MARKET.—THE OUTING ANNOUNCEMENT.—PERSONAL DOINGS.—NOTES.

The regular monthly meeting of the New York Florists' Club was held at the Civic Hall on Monday evening, and on a motion it was decided to meet there until a permanent place could be found. Secretary Young being absent, Alex. Wallace filled the position for the evening. President Sheridan announced his transportation committee to look after the matter of going to Asheville. The Southern railway sent a letter making a very favorable rate and quite a number are preparing to go. The committee on associate members reported and considerable discussion was brought out. The

matter was referred back, as it necessitated the changing of the by-laws. The exhibition and excursion committees reported progress. Messrs. Rennie, Gray and DuRie were appointed to report on the exhibits of the evening. Geo. Lawrence was nominated for membership. A committee on resolutions was appointed to tender to Secretary Young the sincere condolence of the club on the loss of his father. On invitation from the chair, C. W. Ward gave a lengthy discourse on the pæonia, of which he had a very fine exhibit. Messrs. O'Mara, Troy, Beaulien and others also took part. Among other things Mr. Ward stated it is almost impossible to get the true nomenclature of pæonias, either here or in Europe, and deplored the fact. Mr. Wilson, of Western Springs, Ill., also took part in the discussion and gave an interesting talk on the keeping of pæonias in cold storage in Chicago. C. W. Ward was awarded a cultural certificate for his exhibit of pæonias, of which he showed some excellent double and single varieties. H. Beaulieu, of Woodhaven, staged some pansies, a new cactus dahlia named Uncle Sam and a seedling rose of the polyantha type. Frank Weinberg, Woodside, showed Tillandsia Costaricensis, which was awarded a certificate of merit, also some rare cacti.

Alfred Dimmock sails for Europe next Saturday on the Etruria. Quite an exodus, too, of florists occurs during this and next month. Geo. W. Stumpp sails on June 17. Henry Siebrecht, Jr., sails on the Symrna June 20. Albert Small sails in the early part of July. Aug. Rhotert and one or two prominent wholesalers may also cross the ocean. C. F. Bertzangle sails on the Prince Bismarck June 26. The veteran sailor, Thos. W. Weathered, sailed on the Lucania last Saturday. He has been crossing since 1859.

"O! yez, O! yez. All aboard for ye second annual bean-feast of ye New York Florists' Club, to be holden at ye beautiful spotte called Witzel's Point, View Grove, L. I., on ye Monday, July seventh. Ye paddle-boate will leave at ye foot of Thirty-first street at 9:45 in ye earlie morning. God save the Republic (also the Committee)," is the way the announcement reads.

The less said about the market this week the better. Matters are worse, if anything, this week than last and prices are as variable as the moon's changes. Sweet peas are coming in large quantities and the mildewed roses are "mildewer." A few auratum lilies are to be seen, but as a whole the market is demoralized.

Visitor: Robert Craig, Philadelphia.

Denver.

TRADE GOOD FOR MEMORIAL DAY.—BOTH CUT FLOWERS AND PLANTS WELL CLEANED UP.—THE CARNATION THE POPULAR FLOWER.

The demand for cut flowers for Memorial day exceeded that of previous years. At the beginning of the week there looked to be enough stock to go around but hardly a flower was on sale Friday morning. Carnations sold best, ranging from 50 cents to $1 per dozen. Roses also had a good call. American Beauties were scarce and in demand. The shortage of outdoor flowers helped make greenhouse stock short. The trade largely was shipping to the mountain towns and Wednesday and Thursday were very busy days in that line. The greenhouse men report business good in the plant line and about sold out.

The Park Floral Company were fortunate in having in for Decoration week a house of hybrid roses which sold exceptionally well and were fine in quality.

Stock is plentiful at present and though the weather is very hot quality holds out except on pæonias, which wilt very quickly. B.

Toronto.

BUSINESS GOOD.—HIGH GRADE STOCK SCARCE.—PAVILLION OF HORTICULTURAL GARDENS DESTROYED BY FIRE.—LOSSES HEAVY.—NOTES AND COMMENTS.

Local florists all seem pleased with the way business holds up. Orders for weddings, decorations and funerals are unprecedented for this season, and all kinds of stock is well used up. Growers also report heavy shipping orders and plantsmen are having unusual activity. Roses are beginning to show the effects of warm weather and Brides and Bridesmaids are comparatively small, but mostly free from mildew. Meteor and Perle are much better and a few good Kaiserins have made their appearance, but were it not for the outdoor stock, which is at present very plentiful, the supply of roses would not equal demands. The above conditions also apply to carnations, and though there are some good ones on the market, they are mostly of inferior grades. In white Flora Hill is exceptionally good. Genevieve Lord and The Marquis hold predominance in pink and Governor Roosevelt is no doubt the best of the dark reds. Eldorado is the best yellow, and from its keeping qualities is profitable to handle, but Prosperity is at present the pride of them all. At a recent wedding the buffet table was decorated with quantities of these choice blooms, with Adiantum cuneatum used for green, and was without doubt the prettiest and daintiest table seen for many a day. This season has seen the best outdoor lily of the valley ever produced in this country, and was far ahead of any that had been forced last season. Grobba & Wandrey, of Mimico, had thousands grown in the field from pips of their own raising, which are proving very profitable. This firm bids fair to compete with European growers in a short time, as they now have this part of the business down to a science. Pæonias are just making their appearance, and are a welcome addition to the cut flower trade. Lilies are about over, and the outlook for green goods is again propitious.

On Thursday night fire broke out in the pavillion of the Horticultural Gardens and reduced to a complete wreck what had a few minutes before been the scene of feasting and beauty. The banquet hall had been elaborately decorated by Dunlop for the local board which was giving a dinner to the visiting delegates of the Canadian boards of trade, and the decorations were the best ever undertaken in this building heretofore. Covers were laid for 415 guests and the tables gorgeously decorated with roses, carnations, valley, etc. Shortly after the guests departed, fire broke out and all the contents of the building were totally destroyed. Dunlop suffered to the extent of over 200 fine palms, besides numerous pedestals, jardinieres, vases, baskets and some nice bougainvillea, hydrangea and other plants. The city's loss was considerable damage to the conservatories which adjoined the building besides losing quite a number of specimen plants which will be hard to replace. The florists themselves are losers, as they had an agreement to have the hall each year as a place to hold the annual show without charge, and having stored in the cellar of the building all their vases, tables and other paraphernalia, all is lost. The pavillion was the scene of the S. A. F. convention held in Toronto about eleven years ago.

Charles Grobba, while coming to town with a wagon double decked with flowering plants which protruded over the side, had an accident which might have been serious. His horses took fright at a passing car, and swerving to the side, the top deck came in contact with a telegraph post and Mr. Grobba was thrown to the ground, the heavy wagon passing over his ankle. The doctors straightened it and after spending several days at home quietly, he is again on active service.

Decorations on three different occasions called for considerable design work for the monuments in Queen's Park, but the color combinations used in some of the designs last Saturday lead me to remark that a color chart would not be amiss with some of our local talent.

A recent hurricane caused considerable damage to trees and shrubbery, and several of the florists who were unfortunate enough to receive the full force of the winds lost considerable glass.

R. Jennings, of Brampton is sending in some good Beauties, about the only ones around. He reports a very prosperous season and forecasts a better one coming.

George Sewell, anemploye at Dunlop's, was quiety married on Monday night.

Visitors: Wm. Fendley and R. Jennings, of Brampton. H. G. D.

Philadelphia.

SIGNS THAT SUMMER IS CLOSE AT HAND.—WEDDINGS AND COMMENCEMENTS KEEP STOCK MOVING.—PRICES AND QUALITIES NOT HIGH.—GOOD PÆONIAS HAVE THE CALL.—A VARIETY OF PERSONAL AND TRADE NOTES OF GENERAL INTEREST.

The signs of approaching summer dullness are not lacking. Closing time is now seven instead of eight o'clock and very soon the "this store closes at six p. m." sign will be found in the windows. There were quite a number of weddings the past week, and these, with the school commencements, kept the stock moving. Of course flowers are cheaper; in fact, down almost to the summer level. The best Beauties range from $1.50 to $2. Teas fetch from $4 to $6, with a few extra specials at $8. Quality has also taken a drop, as cool nights have brought on a lot of mildew, which, together with the scorching sun, has had a bad effect on the teas. Carnations are very good for the season and look as if they will hold out for a month yet. Pæonias are just about done. Perhaps it would be well to say here that growers should take some pains to get good varieties, which, while they do not cost any more to grow than the common sorts, bring far better prices and sell well at a time when the common sorts go begging. Centaurea is now seen in all the windows and is a welcome addition to the assortment o the season. Sweet peas are fine and, although plentiful, are well cleaned up every day.

John Westcott is to have a house warming or opening for the season at his bungalo at Waretown next Saturday. Invitations have been generously given and quite a number of the boys will journey to the bayside and enjoy themselves to the full. Fish have not commenced to run much as yet, but that

there will not be a dull moment goes without saying.

Robert Craig says he is only just beginning to realize the possibilities of the business. Particularly is this the case in the adornment of country estates, which are now being planted and cared for with lavish hand, and many of which he is sure will soon approach in beauty the noted establishments of Europe.

Joseph Heacock's palms are moving lively but he is still cramped for room to repot and expand his rapidly growing stock. He is a great believer in the future and expects to see the demand for plants increase with greater rapidity than in the past.

John Lucas & Company had an attractive and interesting glass exhibit at the Charleston Exposition and were awarded a gold medal. The display was very complete and included all the latest in the line of plate glass, mirrors and window glass.

David Rust and Edwin Lonsdale have been attending the Agricultural College the past week as delegates of the Pennsylvania Horticultural Society.

S. S. Pennock has been receiving some extra fine lily of the valley, which brings readily $5 per hundred. He handles from 5,000 to 8,000 per day.

Colflesh & Koehler had in a lot of Easter lilies for the first two weeks of June that found a good sale at from $5 to $8. K.

Cleveland.

INTERESTING CLUB MEETING.—SUMMER OUTING PLANNED.—NEW PARK BOARD TO BE APPOINTED.—BUSINESS BOOMING.—THRIP TROUBLESOME.—CARPET BEDDING.

The Florists' Club held its regular meeting last Monday evening and quite a goodly number were present. J. C. and F. F. Andrews, the famous fruit and pansy growers of Lakewood, O., were elected to membership. Subjects of a very entertaining character held the attention of the members until a late hour. The annual summer outing was talked over and A. Schmitt, A. Graham, H. A. Hart and F. C. Bartels were appointed a committee to take the matter in charge and select the time and place to hold the jollification. Mr. Schmitt wants the picnic to be held at least fifteen miles from any greenhouse. He says he wants to get out of sight of a plant shop for at least one day. Another matter of mighty import was the park board business. As a new park board is about to be appointed (according to a recent law passed in this state) by the probate judge of this city, the club deemed it advisable to take some action in the matter and endeavor to secure the appointment of at least one practical horticulturist a member of said board. Heretofore, under the old regime, it was customary to select men who had absolutely no knowledge, as our friend Watson would say, of horticulture, floriculture, arboriculture or landscape gardening; therefore, the club deemed it advisable to appoint a committee comprising the following: Wm. Brinker, Isaac Kennedy, J. M. Gasser, H. A. Hart and Gordon Gray, to wait upon the eminent jurist with a petition from the club asking the privilege of suggesting the name of a practical gardener to comprise one of the board. It is to be hoped their efforts in this matter will meet with success, as it is very essential that Cleveland should retain the enviable reputation it has acquired of having some of the most beautiful parks and boulevards in the country. Robert Kegg, the present superintendent, has worked wonders in improving and beautifying the park system.

Business is booming, every storeman in town having all he can attend to in the way of decorations, commencements, etc. Stock keeps up pretty well; carnations are fine; roses are only fair, a great many being injured by thrip, which is creating havoc in a number of places. This little pest seems to be worse this year than ever. The outdoor flowers are nearly ruined by it. Pæonias are about over except those in cold storage. Planting is about all done; the next move will be benching chrysanthemums and asters. About the usual quantity will be grown. Carnation weather is still keeping up.

Charlesworth is executing some beautiful carpet bedding around the Soldiers' and Sailors' Monument in the public square. These beds attract a great deal of attention. Thousands daily admire the charming and intricate designs. Of alternanthera alone 200,000 are required, besides thousands of other plants suitable for such work. The work certainly reflects great credit upon Mr. Charlesworth and his able assistants.

ECHO.

Pittsburg.

STATE OF TRADE.—WEDDINGS NUMEROUS.—BEDDING PLANTS IN GREAT DEMAND.—SCHENLEY PARK IMPROVEMENTS.—CLUB PICNIC JUNE 19.—JOTTINGS.

The volume of business continues well up to the average for this season of the year and the promise for steady improvement for the balance of the month is bright. Wedding decorations are quite numerous this week; white bridal sets are the main issue. Roses are not nearly as cheap as they look, and the percentage of good roses is very low, when you take them collectively. Carnations, with the exception of whites, are doing well. Of course, lily of the valley is in great demand; the supply seems to be sufficient and the quality excellent. Palms and Boston ferns are having their inning, too.

Superintendent William Falconer has had a force of ten men at work decorating part of the Schenley Park near the Panther Hollow bridge for the American science convention. He is having it planted with echeveria, the words, "Our Guests, 1902," and underneath that the initials, "A. A. A. S.," standing for the American Association for the Advancement of Science. Another improvement being made is the excavating of a lily pond on the south side of the conservatory, which will be 20x35 feet. It will be one of the prettiest lily ponds in the country. About 100 laborers were started at work last week on the cementing of the many broad walks that lead to the conservatory.

The Pittsburg and Allegheny Florists' and Gardeners' Club will hold its annual picnic at Ross Grove, on Thursday June 19. Music, baseball, refreshments and foot racing will be the features. The club is composed of about 130 members. Each detail necessary for the success of this outing will be diligently looked after by the committee, which is composed of George Reineman, John Bader and Ernest Ludwig.

The Cut Flower Company, displayed some very fine gardenias during the week. Pittsburg is really a good market for them. In the winter season it is necessary to send to New York for them. Good white sweet peas are out of the race, as very few are to be seen here.

There seems to be no end to the quantity of bedding plants, as the markets have completely replenished the supply, and the activity of this branch of the business this season has been most remarkable.

John Bader secured the contract for decorating the Grand Opera House this week. This is one of the features of the last week of the theatrical season.

"Tom" Ulam is wishing for the coming of summer; he is anxious to get to Atlantic City to watch the tide go out.

David Geddes, of the south side, has been securing his share of funeral work, as usual. E. L. M.

Buffalo.

TRADE NOT ACTIVE.—OUTDOOR STOCK NOT WANTED WHILE ROSES AND CARNATIONS ARE SO CHEAP.—SOME ELABORATE WEDDING DECORATIONS.—ANDERSON DOES THE BEST JOB OF THE SEASON.—VARIOUS NOTES OF LOCAL DOINGS.

Changeable weather, the last two days cold and rainy, does not help the flower trade very much. Outdoor stock cannot be found in the stores while carnations from 10 cents per dozen upward are common in the windows. Roses are plentiful still and American Beauties sell well at $6 per dozen. Funeral work has not been very brisk, but this week has had its share of weddings, both large and small; nearly everyone has had from one to three wedding jobs, which called for a good many roses and palms. One on Monday, at the Jewish synagogue, was quite elaborate, but that on Tuesday at the residence of Gustav Fleischman, was the most elaborate of the season. The whole house was turned over to S. A. Anderson and he handled the job in first-class style. Two school commencements called forth a lot of roses sent to the graduates, but not as many as a few years ago, when flowers were allowed at the hall.

William Scott was in town last week and from the reports from his greenhouses he was here on Decoration day, for all the stores near the cemeteries had more than they could do, while I am told that down town stores were as quiet almost as on the Fourth of July.

There was to have been a meeting of the B. F. C. this week but all greenhouse men were so busy it was not thought advisable to call it and I am afraid it will be postponed until July.

From my out of the way place of business I have not heard any rumors of a florists' holiday, but by July Scott, Cowell, Braik and Kasting will want a ball game.

George Reichert, formerly with L. H. Neubeck, has severed his connection with C. D. Zimmerman, after about two months' work.

Margaret Skinner is now with J. H. Rebstock. BISON.

DAVENPORT, IA.—John T. Temple has completed the bedding on the courthouse lawn.

SEDALIA, MO.—Gelven & Son have their new range of houses up and planted and are much pleased with them. They are new style, short-span, connected houses with iron gutters set six feet six inches above the ground.

TARRYTOWN, N. Y.—The annual rose and strawberry show of the Tarrytown Horticultural Society will be held at the Lyceum on June 16. There are sixteen classes on the schedule, with useful articles offered as premiums in each.

THE AMERICAN FLORIST

SEVENTEENTH 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.

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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-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., Chicago.

THERE is very little butted glass laid on this season's greenhouses.

THE supply of bedding plants has proved to be, in general, equal to all demands.

MILWAUKEE is "a bright spot" this year. It is entertaining its conventions most hospitably.

THE mailing label on your paper shows when your subscription expires; when you send your renewal note that the date changes within two weeks; it will serve as your receipt.

THE florists are handling more and more nursery stock every year. Those who have grounds on which to grow a collection of specimens of the things most easily handled find this a very important branch of their business.

THE supply of pæonias throughout the country this season was more than the cut flower markets could assimilate without a break in values. One of the attributes of this flower is that it may be readily held in cold storage and doubtless this method of relieving the pressure will be more frequently employed in the future.

EVERYONE commends the move postponing the St. Louis exposition to 1904 and, while neither Chicago nor Buffalo envy her the undertaking, the whole country is interested in the success of the show. If the railroads will do their part as well as the horticultural trades will do theirs, which they did not for Buffalo, the success of the exposition will be assured.

An Old Friend.

ED. AM. FLORIST:—I forward you $2, for which credit my subscription to 1904. Your paper is an old friend of mine; I cannot be without it.

Huntington, N. Y. WM. O'HORA.

Diseased Begonia Leaves.

ED. AM. FLORIST:—I notice in your issue of May 31, "N. J. F." sends you a diseased begonia leaf and asks name of disease and the remedy. My impression is that it is the same thing that I have had in my greenhouse for several years. There is nothing that it will not attack. Begonias, ferns, marantas, dieffenbachias and cacti are all attacked by it. I find that tobacco stems about an inch thick around the pots, changing them every two or three weeks, will keep it down, if not eradicate it entirely. I have had no trouble with my begonias since I adopted this course. J. B. DAVIS.

Worth $5 A Year.

ED. AM. FLORIST: — Enclosed find renewal of my subscription. Your paper is a great benefit to me. I would not cease taking it if the price was $5 a year instead of $1. S. M. WILE.

Wellesley Hills, Mass.

Correction.

The item with reference "Johnnie" Krul, in our New York notes of last week, appears to be incorrect, as we are now informed that when he does return to work, he will be found with his old firm and that congratulations addressed to him in care of Moore, Hentz & Nash will surely reach their destination.

Greenhouse Building.

Detroit, Mich. — C. H. Plumb, two houses 27x88.

Mexico, Mo.—C. C. Wonneman, two houses 28x75.

Philadelphia, Pa.—Craig & Son, four carnation houses.

Mt. Clemens, Mich.—F. Gutschow & Son, two houses 30x112.

Chicago, Ill.—Leopold Koropp, house 20x100.

Des Moines, Ia.—W. L. Morris, rose house 48x200.

Canandaigua, N. Y.—Robert McKerr, three carnation houses.

Chasell, Mich.—A. E. Lutey, range of houses.

Champaign, Ill.—C. E. Ferdinanson, three houses.

Mt Sterling, Ky.—E. Fredrich, house 20x80.

Hagerstown, Md.—Wm Bester, three houses 18x100. H. A. Bester, two carnation houses.

New Members of the S. A. F.

During a recent call on the secretary of the S. A. F., in Boston, he reminded me that I was a state vice-president of that body for eastern Pennsylvania. I made some remark about that being an easy job, and was inclined to make light of it, for which top-lofty air, I promptly got rapped over the knuckles. Assuming a more serious attitude, I asked, "Well, then, what are the duties of a state vice-president, anyway?" Among the most important of all, I was informed, was the duty of keeping the membership fences of the district he belongs to in repair. I quickly realized that that was a job indeed. I have worked in too many societies not to be well aware of what it means to go for the laggard, the disgruntled and the indifferent. However, I set to work and here is the result of my last week's work: Ira H. Landis, Lancaster, Pa.; H. H. Battles, 108 S. Twelfth street, Philadelphia; J. Henry Bartram, Lansdowne, Pa; David Bearn, Bala, Pa; Frank Polites, Thirteenth and Chestnut streets, Philadelphia; Chas. Meckey, Seventeenth street and Erie avenue, Philadelphia; Jno. G. Gardner, Villa Nova, Pa.; Frank Whiteley, Sixteenth and Chestnut streets, Philadelphia; Eugene Bernheimer, 1604 Ludlow street, Philadelphia.

Next week I hope to have another batch to report, and if I do not it will not be my fault. I publish these names because, although not a very large bag for a week, it shows that something can be done and there may be some other vice-president like myself requiring a little stirring up. Individual members can also talk to their neighbors, and everyone should try to send in at least one new name. Three dollars a year is not much and will not be missed. Never mind whether one intends going to Asheville or not; all should be members whether they go to conventions or not. It's rather a disgrace, I think, for a florist not to belong to his national society.

G. C. WATSON.

A Rose Pest.

ED. AM. FLORIST:—Please give name of and remedy for the worm which you will find in the green balls on the rose leaves which I send you by mail under a separate cover. J. W.

The green balls on the rose leaves which you send, are known as galls and are produced by an insect called the two-colored gall fly, Rhodites bicolor Harris. These and several other galls or excrescences are of common occurrence on rose bushes throughout the country, and the present form was described by the veteran economic entomologist, Dr. T. W. Harris, in 1841. The galls, as you note, are round, and when more mature become of a reddish color and of about the size of a pea, rarely measuring more than three-tenths of an inch. The insect which produces it is a four-winged, wasp-like fly which attains a measurement of about one-fifth of an inch in length. It is black, with brownish red legs. These galls seldom do permanent injury to useful plants, but, of course, their presence is objectionable on account of their appearance. There is no way of reaching the insects within the galls by means of poisons, hence there is no better method of preventing galls than by destroying them as soon as they appear, before the issuance of the insects to produce others. If you open these galls you will find that they contain, in a more or less advanced stage of growth, little pale-whitish creatures somewhat resembling a grub or a honey bee, but more slender. The mouth-parts are well developed, and at the tip there is a tail-like appendage. A single larva or grub inhabits a gall, as a rule. This species of gall appears to have no particular common name attached to it, but a similar larger gall is known as the bedeguar of the rose. F. H. CHITTENDEN.

Catalogues Received.

V. Casazza & Bro., New York, insecticide; John Lucas & Company, Philadelphia, paint; James Vick's Sons, Rochester, N. Y., bulbs; T. H. Thompson Seed and Rice Milling Company, Houston, Texas, seeds; Lager & Hurrell, Summit, N. J., orchids; the Laurel Hill Nurseries, Stockbridge, Mass., plants, shrubs and trees; Barr & Sons, Covent Garden, London, daffodils; V. Lemoine & Son, Nancy, France, plants; American Blower Company, Detroit, Mich., steam traps; H Den Ouden & Son, Boskoop, Holland, plants; J. D. Thompson Carnation Company, Joliet, Ill., carnations; J. Lambert & Son, Trier, Germany, plants; I. L. Pillsbury, Galesburg, Ill., cut flowers, plants and trees; Edw. E. Evans, West Branch, Mich., seeds; Walker & Pratt Manufacturing Company, Boston, Mass., boilers; J. E. Hutton & Son, Conyngham, Pa., plants; Isaac Hicks & Son, Westbury Station, N. Y., trees; Dillon Greenhouse Manufacturing Company, Bloomsburg, Pa., greenhouse construction materials; Alexander McConnell, New York City, trees, shrubs and plants; Julius Roehrs, Rutherford, N. J., plants; National Lead Company, New York,

paints; Rippley Hardware Company, Grafton, Ill., sprayers, machines and tanks; State Nursery Company, Helena, Mont., seeds, plants, trees, etc.; K. Rosbergen & Son, Boskoop, Holland, plants; A. Perry, London, plants; Ad. De Clercq-Van Ghyseghem, Ghent, Belgium, plants; Frantz De Laet, Antwerp, Belgium, cacti.

OBITUARY.

PROF. E. S. GOFF.

E. S. Goff, professor of horticulture at the College of Agriculture, Madison, Wis., died June 6. He was in his forty-ninth year.

P. H. THERKILDSON.

P. H. Therkildson, formerly manager of the Miller greenhouses at Ironton, Ohio, died May 1. Mr. Therkildson was born in Denmark and came to this city twenty-seven years ago. He was married to Miss Mattie Miller in July, 1878. About three years ago he removed to Richmond, Ind., and later to Chillicothe, Ohio, where he was engaged in the flower trade. He had been ill since March 1. As Mr. Therkildson had expressed a wish to die at his old home, he was removed to Ironton a few hours before the end came. His wife and seven children survive him. The elder son, Frank, is manager of the Miller greenhouses, with which his father was so long connected.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (six words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1902 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—By Aug. 1st, in the orchid shipping business by young man, age 20. Three years' experience as a florist. Address ORCHID, care American Florist.

SITUATION WANTED—By a first-class rose grower; best of references from some of the leading rose growers of New England. Address F H A, care American Florist.

SITUATION WANTED—As manager or foreman on medium cut flower growing establishment; married. State wages, etc. Address MANAGER, care American Florist.

SITUATION WANTED—By good all-around florist and gardener. Permanent place wanted. Address K W, 656 W. Van Buren St., Chicago, Ill.

SITUATION WANTED—By experienced carnation grower, east and west. Best of recommendations of the best place in the east. Address GROWER, 837 E. 5th South Salt Lake City, Utah.

SITUATION WANTED—As foreman and grower of cut flowers and plants. Have been foreman with prominent florists around Chicago for a number of years. Address FLORIST, Box 54, Hinsdale, Ill.

SITUATION WANTED—By thoroughly practical florist, as foreman; 17 years' experience in all branches; only first-class place wanted. Address, with particulars, EDWARD, care American Florist.

SITUATION WANTED—By first-class grower of roses, carnations, violets, 'mums and general line of bedding plants, as working foreman. Address FLORIST, care Henry Young, Rose Hill Cemetery Drive, Chicago.

SITUATION WANTED—By sober, reliable man; 12 years in America, growing cut flowers, bedding plants, etc. Steady place wanted. Address, with particulars, Room 6, Y. M. C. A., Schenectady, N. Y.

SITUATION WANTED—As foreman by thoroughly practical florist. Good decorator, designer, etc. Grower of No. 1 roses, carnations and 'mums. First-class commercial or private position. Good wages expected. Address G. FOREMAN, care P. O., Canton, O.

WANTED—Two good carnation growers near Chicago. Address C C, care Am. Florist.

WANTED—A man for small place, $20.00 per month, with board. J. W. MARSHALL, JR., 1714 23d Ave., Meridian, Miss.

WANTED—Married man, good gardener and greenhouse man for country place. MRS. P. R. KING, Delavan, Wis.

WANTED—Rose and carnation grower. Good wages to the right man. Address MUNCIE FLORAL CO., Muncie, Ind.

WANTED—Young man with some experience in rose growing. Apply to J. A. PETERSON, McHenry Ave., Westwood, Cincinnati, O.

WANTED—Young man with some experience to work in greenhouse. FLORIST, 89 Wendell St., Battle Creek, Mich.

WANTED—Reliable rose grower to take charge of range of houses. Wages $10 per week. Address J. F. AMMANN, Edwardsville, Ill.

WANTED—1,000 feet of 4-inch cast iron pipe in good condition. Also a hot water heater. Give full description and price. Address I. L. PILLSBURY, Galesburg, Ill.

WANTED—Two young men to work in greenhouses—roses and carnations. State wages wanted with board. Address COLE BROS., Box 577, Peoria, Ill.

WANTED—Young man to learn the greenhouse business, growing of roses and carnations. State age. Apply to JOHN L. WYLAND, De Haven, Pa.

WANTED—Rose growers and helpers; also one man that understands growing chrysanthemums. The highest wages and steady work. BASSETT & WASHBURN, Hinsdale, Ill.

WANTED—An all-around grower for commercial place; single man preferred. Good wages. Address J. W. ENSWEILER, 5329 Morgan St., Chicago.

WANTED—A good florist, to grow roses, chrysanthemums, carnations and violets for cut flowers, also a general stock of plants. State wages. E. POWER, Frankfort, Ky.

WANTED—Young man for private place, to take care of lawn and beds; must be sober and reliable. Address, with references, age and nationality. S. J. REUTER, Westerly, R. I.

WANTED—A reliable man for general greenhouse work; $25 per month and board. Will increase wages and give steady employment to the right man. H. KADEN, Gainesville, Texas.

WANTED—A young man for retail florist place; must be well posted on ferns and palms; not afraid of work, and have A1 references. Address H. F. HALLE, 548 West Madison St., Chicago.

WANTED—Three young men, 18 to 22 years old, to assist in greenhouse work. Two chrysanthemum growers. Good salary if prove competent. Apply at once, or write POERLMANN BROS. CO., Morton Grove, Ill.

WANTED—Hot water boiler, capable of 3,000 to 4,000 feet of glass. Give all particulars, number and make, how long used, condition it is in, etc. Price f. o. b. Wilton. Address JOHN BEIMFORD, Wilton Junction, Iowa.

WANTED—A young man who understands something about orchid and fern growing. State where last employed and wages wanted, with board. Address J. M. GASSER CO., Euclid Ave., Cleveland, O.

WANTED—An all-around florist, capable of growing first-class roses, carnations and general stock. Must be sober, industrious and reliable. State wages wanted with board and room. Reference. Address S E H, care Florist.

WANTED—A young man who has had practical experience in general greenhouse and office work as assistant. Must be sober and of steady and industrious habits and every way reliable. Give references and state wages expected without board. EDINA, care American Florist.

WANTED—At once a reliable florist, must be sober, honest and a good worker; one who is capable to take full charge of medium size place and grow a general collection of plants and cut flowers for retail store trade. State wages with board and send good references of recent date in first letter. Good wages and steady place to right man. FRED J. KING, 220 Madison St., Ottawa, Ill.

FOR SALE—Greenhouses and dwelling (no stock) centrally located in city of 4,500. Long established paying business; no competition; 3,200 feet of glass. Cause death of owner. MRS. MARY BEZNER, Extrix., Jerseyville, Ill.

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About 20,000 square feet of glass in good running order, suitable for growing cut flowers for Chicago market. Address E M, care American Florist.

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Greenhouse

(about 7,000 feet of glass), dwelling and stable, Evanston, Ill., two blocks from C. & N. W. station. Good established trade direct from greenhouse. Rent reasonable. Address 1127 CHURCH ST., EVANSTON, ILL.

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Short stems	.75 to 1.00
	Per 100
Brides	$4.00 $6.00
Maids	4.00 6 00
Meteors	4.00 6.00
Gates	4.00 8 00
Carnations	2.00 2 50
" large and fancies	3.00
Lilium Harrisii	10.00 12.50
Sweet Peas	.50
Valley select	4.00
Valley, outdoor	2.00
Asparagus Plumosus, per stg.	.50 .75
Asparagus Sprengeri	3.00 4.00
Ferns, per 1000, $2 50	.25
Galax per 1000, $1.25	.15
Leucothoe sprays	1.00
Adiantum	1 00
Smilax, per doz	1.50 2 00

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MILWAUKEE, June 12.

Roses, Beauty, long, per doz.	2.50@ 3.00
" " med. "	1.00@ 1.50
" " short "	.50@ .75
" Liberty	6.00@10.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	4.00@ 6.00
" Golden Gate	4 00@ 6.00
" Perle	4.00@ 6.00
Carnations, ordinary	1.00
" fancy	2.00
Paeonias, per doz., 50c to $1.00	
Harrisii	10.00
Lily of the valley	4.00
Adiantum	.75@ 1.00
Smilax	18.00@20 00
Asparagus	65.00
Common ferns	.25

PITTSBURG, June 12.

Roses, Beauty, specials	20.00@25.00
" " extras	12.00@15.00
" " No. 1	4.00@ 6.00
" " No. 2	2 00
" Bride, Bridesmaid	1.00@ 4 00
" Meteor	1.00@ 4 00
Carnations	1.00@ 2 00
Gardenias	3.00@ 5.00
Lily of the valley	2.00@ 3.00
Harrisii lilies	6.00@10.00
Daisies	.50@ 1.00
Sweet Peas	.20@ .50
Smilax	10.00@12.50
Adiantum	.75@ 1.00
Asparagus	35.00@40.00

CINCINNATI, June 12.

Roses, Beauty	8.00@20.00
" Bride	1.00@ 4.00
" Bridesmaid	1.00@ 4.00
" Meteor	1.00@ 4.00
" Perle	1.00@ 4 00
" Liberty	1.00@ 4.00
Carnations	1.00@ 2.00
Lily of the valley	3.00@ 4 00
Sweet Peas	.50@ .75
Longiflorum lilies	8.00
Gladiolus	5.00
Asparagus	50.00
Smilax	15.00
Adiantum cuneatum	1.00
Common ferns	.15

ST. LOUIS, June 12.

Roses, Beauty, short stem	5.00@12.50
" " long stems	15.00@20.00
" Bride, Bridesmaid	2.00@ 5.00
" Golden Gate	2.00@ 6.00
Carnations, ordinary	1.00
" choice	1.50
Sweet peas	.25@ .40
Lilies, Candidum	6 00@10 00
Smilax	12.50@15.00
Asparagus Sprengeri	1.00@ 1.50
" Plumosus	1.00@ 1 50

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While Beauties and Tea Roses are not up to winter grade, our cut runs the best coming to this market and we expect to maintain our advanced position right through the season of June weddings and commencements. Plenty of Paeonias, Carnations, Smilax, Valley and Orchids. Send us your order.

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BEAUTIES.		
30-36-inch stems,	per doz.,	$3.00
24 "	"	2.00
20 "	"	1.50
16 "	"	1.00
12 "	"	.75
6 to 8-in. "	per 100 $4.00	5.00
		Per 100
Brides	$4.00	6.00
Maids	4.00	6.00
Meteors	4.00	6.00
Gates	4.00	6.00
Carnations	1.00	1.50
" large and fancies	2.00	3.00
Callas per doz.,	1.00	1.25
Paeonias	5.00	8.00
Sweet Peas	.75	1.00
Valley, select	4.00	5.00
Marguerites	.50	.75
Asparagus plumosus, per stg,	.60	.75
" Sprengeri	3.00	6.00
Galax " 1.25;		.15
Ferns, new, per 1000, $1.50		.20
Adiantum		1.00
Smilax per doz.,	1.50	2.00

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Roses, Beauty, 30 to 36-inch stems	3.00
" " 24 " "	2.00
" " 20 " "	1.50
" " 15 " "	1.00
" " 12 " "	.75
" " 6 to 8 " " per 100	4.00@ 5.00
" Bride, Bridesmaid	3.00@ 6.00
" Meteor	3.00@ 6.00
" Perle	3.00@ 5.00
" Golden Gate	3.00@ 6.00
Carnations	1.00@ 3.00
Lily of the valley	4.00@ 5.00
Harrisii	6.00@10.00
Callas, per doz.	1.25@1.50
Paeonias per doz.	.50@ 1.00
Cattleyas per doz.	6.00
Sweet Peas	.75@ 1.00
Asparagus, per string,	.60@ .75
Adiantum	.75@ 1.00
Common ferns, per 1000, $1.50	.20
Galax leaves, per 1000 $1.25	.15
Smilax per dozen	1.50@ 2.00

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The finest now ready to cut.
Fine pips from cold storage, $13 per 1000.

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At home and abroad.

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Roses, Beauty, extra	12.00@15.00
" " medium	6.00@10.00
" " culls	2.00@ 4.00
" Queen of Edgeley	10.00@20.00
" Bride, Bridesmaid, Meteor	1.00@ 2.00
" extra	3.00@ 6.00
Sweet Peas	.25@ .60
Carnations	1.00@ 2.00
Lily of the valley	2.00@ 3.00
Lilies	4.00@ 6.00
Paeonias	3.00@ 5.00
Spiræa, stocks	.50@ 1.00
Adiantum	.75@ 1.00
Asparagus	50.00
Smilax	12.00@16.00

PHILADELPHIA, June 11.

Roses, Tea	6.00@ 7.00
" " extra	7.00@ 8.00
" Beauty, extra	20.00@25.00
" " firsts	10.00@15.00
" Queen of Edgely, extra	20.00@25.00
" " " firsts	10.00@15.00
Carnations	1.00@ 3.00
Lily of the valley	4.00@ 5.00
Asparagus	25.00@50.00
Smilax	15.00@20.00

BUFFALO, June 12.

Roses, Beauty	7.00@35.00
" Bride, Bridesmaid, Meteor	4.00@ 8.00
Carnations	1.00@ 3.00
Pæonias	3.00@ 5.00
Lily of the valley	3.00@ 4.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.50

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Phone 14269 A, 1604 Ludlow St., **Philadelphia.**
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SHIPPING LABELS FOR ....Cut Flowers
Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....
ELECTRO OF THIS LEAF, POSTPAID, $1.25.
American Florist Co.,
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Valley and Beauties Of Extra Fine Quality.
During June will be open from 7 A. M. TO 8 P. M.

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An Unequalled Outlet for Consigned Flowers.

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New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

NEW YORK, June 11.

Roses, Beauty, select	10.00@15.00
" " medium	5.00@ 6.00
" " culls	.50@ 1.00
" Bride, Bridesmaid	2.00@ 5.00
" Liberty	2.00@ 8.00
" Meteor, Golden Gate	2.00@ 5.00
" All kinds, job lots	.50@ 1.00
Carnations	.50@ 1.00
Lily of the valley	.50@ 4.00
Callas, Lilies	3.00@ 5.00
Paeonias	3.00@ .00
Sweet Peas	.35@ .75
Cattleyas	30.00@50.00
Mignonette	.50
Smilax	8.00@12.00
Adiantum	.50
Asparagus	35.00@50.00
" Sprengeri, per doz. bun.	2.00@ 3.00

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A full supply daily of the choicest New York and New Jersey

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47 WEST 28TH ST.,

Tel. 421 Madison Square, ...NEW YORK.

CUT FLOWERS AT WHOLESALE.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

J. E. NORTHRUP, Pres.; S. F. LEONARD, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

Twentieth annual convention, Minneapolis, Minn., June 24-26, 1902.

VISITED NEW YORK: Arnold Ringier, representing W. W. Barnard & Co., Chicago.

HENRY F. MICHELL, of Philadelphia, is on his wedding tour, having been married last week.

B. SUZUKI, of Suzuki & Iida, New York, is on his way to Japan, via San Francisco. He expects to return next December.

WESTERN reports indicate a twenty-five per cent loss of crop by washouts, hail and rain, with prospects for lots of over-sized sets.

VISITED CHICAGO: John T. Buckbee, Rockford, Ill.; James McHutchison, representing Aug. Rhotert, New York; W. B. Hoyt, Cambridge, N. Y.

TORONTO, ONT.—A. W. Annandale and John Regal, of the Steele, Briggs Seed Company, sailed for Europe June 6 to purchase supplies for their different departments.

THE directors of the Wholesale Seedsmen's League will hold their next meeting in Minneapolis, Thursday, June 26. The annual meeting of the league will be held at 8 p. m. that date.

ALL seedsmen are requested to write at once to their congressman asking his support of House Resolution No. 249 regarding investigation of government seed contracts for the last four years.

THE Chicago seedsmen are very anxious to have the delegates for Minneapolis join them, starting from Chicago on the evening of June 23. See notice elsewhere on this page. A good time is expected.

THE Lawrence, Kan., correspondent of the *New York Commercial* wires June 6: The Kansas seed house of Barteldes & Company received a large telegraph order to-day for seeds to be sent by express for the restoring of Boer farms in South Africa devastated by the recent war.

Seed Company Incorporated.

The incorporation papers of the Mandeville & King Company, Rochester, N. Y., were filed June 3. The new company will deal in seeds and is capitalized at $250,000. The directors are Willard J. Mandeville, Fred. B. King, William T. Fonda, all of Rochester, and Seth H. Pearse, of Cape Vincent, N. Y.

French Roman Hyacinths.

The situation of the French Roman hyacinths is very bad at present but as yet this has not influenced other bulbs, says *Le Petit Marseillais*, of May 23, 1902. The current price of hyacinths seems to be eighty francs. This price is now offered by the merchants but is not always accepted by the growers, who anticipate a rise.

Bermuda Lilies.

The following communication from a well informed correspondent in Bermuda, under date of May 30, will be interesting at this time:

"I am sending you a small photograph of lilies growing in Bermuda, on which you will be able to trace the foliage to the ground and see in what a healthy condition they existed in 1901. The 5-7 bulbs from these were planted in two large fields in the autumn of that year. The plants are of the true Harrisii type, very strong and vigorous, between three and four feet in height, feathered to the ground and scarcely with a blemish when visited about May 15.

"There are other fields throughout Bermuda which compare favorably with these and the whole of the lilies this year are far ahead of anything that has been produced for years; although the yield may be considerably more per area as compared with other years, the quantity produced will not be larger than that of last year, due to the fact that less were planted. The farmers are confining themselves to planting good stock on selected land. The lilies at St. David's Island this year are in excellent condition, much pains being taken by the various growers to produce fine exporting bulbs."

FIELD OF LILIES IN BERMUDA.
(From a photograph of 1901.)

American Seed Trade Association.

President Northrup advises us as follows regarding railroad fares to the Minneapolis meeting of the American Seed Trade Association, June 24-26: "Western Passenger Association, Trunk Line Association and New England Passenger Association grant fare and one-third rate for round trip. Receipts for fare paid will not be accepted in lieu of certificates."

CHICAGO TO MINNEAPOLIS.

Seedsmen from the east and south of Chicago should purchase tickets from starting point through to Minneapolis, taking certificate receipt for same. This receipt when properly executed at Minneapolis will secure return ticket at one-third of the regular rate. In purchasing tickets be sure to see they read from Chicago to Minneapolis via the Chicago, Milwaukee & St. Paul R. R., so as to accompany the Chicago party, who are very desirous that all visitors passing through Chicago travel in the same car or cars, leaving Chicago from the Union Depot at 6:30 p. m., June 23. Reservation on sleeping cars can be made through J. C. Vaughan, 84 Randolph street, Peter Hollenbach, 12 North Halsted street, or Goodwin Harries Company, 115 East Kinzie street, all at Chicago.

ESTABLISHED 1802

THORBURN'S SEEDS

CYCAS REVOLUTA STEMS.

We have just received a large shipment in assorted sizes from 3 to 12 pounds (most of them 8 or 10 pounds) which we offer at 10c per pound. Special price on large quantities.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

J. van Reisen & Son,
VOORHOUT, HOLLAND,
Wholesale Bulbs and Roots.
NEW YORK ADDRESS
care P. J. VAN HEININGEN, 136 Water St.

FALL BULBS
Tulips, Hyacinths, Narcissus, Lilies. You can save money by placing order now. Send us your list; we will make bottom prices.
James Vick's Sons, Rochester, N. Y.

"Some firms have some things part of the time," but

KENNICOTT'S

HAVE EVERYTHING ALL THE TIME.

If you want the Finest PAEONIAS for School Closings and June Weddings, go to

KENNICOTT BROS. COMPANY

Wholesale Commission Florists,

42 and 44 E. Randolph St., CHICAGO.

New Crop

DAGGER FERNS

Are now ready, A No. 1 quality, $1.50 per 1000.

BOUQUET GREEN
Princess Pine, 6c per lb.

BRONZE AND GREEN GALAX,
5000 lots, 75c per 1000.

LEUCOTHOE SPRAYS
75 cents per 100.

LAUREL FESTOONING
4c, 5c and 6c per yard. LAUREL WREATHS, to order, any size.

BOSTON, May 3rd, 1902.

We would respectfully inform the trade that our new crop of Dagger Ferns is now ready and they are A No. 1 quality. We carry a full assortment of Florists' Hardy Supplies as follows: Bronze and Green Galax, Hardy Cut and Fancy Ferns, Bouquet Green, Laurel Festooning, Laurel Wreaths, Bundle Laurel, etc.

P. S.—Extra choice Dagger Ferns, $2.00 per 1000. Satisfaction guaranteed and quick delivery. Order them now and avoid disappointment and the rush. Long distance telephone, 2618 Main.

HENRY M. ROBINSON & CO.
32-34-36 COURT SQ., BOSTON, MASS

DAGGER and FANCY FERNS
$1.00 PER 1000.

GALAX LEAVES Bronze or Green, 75c per 1000. Use our **Laurel Festooning** for your June Decorations. Its the best and cheapest in the market. 4, 5 and 6c per yd. Bunched laurel and laurel wreaths when wanted.

Millington, Mass.
Tel. office, New Salem.

Please mention the American Florist when writing.

American Florist Ads

Always do busines, week days and every day, Sundays and holidays, all over the country, at home and abroad.

The Sensational New Rose for 1902.

MRS. OLIVER AMES.

For description, prices, etc., see Trade List.

$100.00 IS OFFERED IN PRIZES for Cut Flowers of this Rose at Madison Square Show next fall.

Extra fine plants of the grand pillar rose **CRIMSON RAMBLER**, from $2.00 to $6.00 per dozen, according to size and age. Also all the **STANDARD** forcing roses in variety, now ready for shipment.

JOHN N. MAY, Summit, N. J.

SPECIAL BARGAINS

10,000 Roses, all kinds.
5,000 Coleus 2-inch pots.
1,000 Cannas, 3 and 4-inch.
5,000 Smilax, 2x2½-inch.
5,000 Plumosus and Sprengeri
5,000 4 5, 6, 7, 8 and 10-inch Boston Ferns.
Vincas, Fuchsias, Pelargoniums, Hibiscus, etc., etc., for stock. Write

GEO. A. KUHL, PEKIN, ILL.

ROSE PLANTS

2½-inch Rose plants, fully as good as any we have ever sent out:

METEOR, $2.50 per 100; $20.00 per 1000.
MAIDS, 3.00 per 100; 25.00 per 1000.

J. A. BUDLONG,
37-39 Randolph St. CHICAGO.

Wanted—To buy 400 strong Dormant Poinsettia Roots. State price. Apply to
JOHN L. WYLAND,
De Haven P. O., Pa.

Rose Plants

Strong plants from 2½-inch pots, choice stock in every particular.

	Per 100	Per 1000
AM. BEAUTY PLANTS, 2½-inch	$6.00	$50.00
" " 3-inch	8.00	75.00
METEORS, 2½-inch	2.50	20.00
" 3-inch	4.00	35.00
BRIDE	3.00	25.00
BRIDESMAID	3.00	25.00
METEOR	3.00	25.00
GOLDEN GATE	3.00	25 00
PERLE	3.00	25.00

GEO. REINBERG,
51 Wabash Ave., Chicago.

Asparagus

PLUMOSUS NANUS....

From flats, $2.50 per 100; $20.00 per 1000. 25 at 100 rates; 250 at 1000 rates, prepaid. CASH.

LOOMIS FLORAL CO.
LOOMIS, CAL.

Please mention the American Florist when writing.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

CHAS. A. ILGENFRITZ, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y. Twenty-eighth annual convention, Detroit, Mich., June, 1903.

THROUGHOUT the south there is a constantly growing call for nut trees, the leaders being hickory and pecan.

THE Chico Nursery Company, of Salem, Oregon, has been incorporated with $50,000 capital stock to do a general nursery business. The incorporators named are Malcom McDonald, Archie McGill and Leon Girod.

THE only charter members of the American Association of Nurserymen present at its twenty-seventh annual meeting, at Milwaukee, June 11 to 13, were Edgar Sanders, of Chicago, and Z. K. Jewett, of Sparta, Wis.

GEORGE S. JOSSELYN, the big grower of grape vines at Fredonia, N. Y., says that he believes not one grape vine in twenty sold to amateurs produces a good crop of first quality fruit because the top is not cut back sufficiently during the first two years of its life in the garden.

American Association of Nurserymen.

Coming at the close of the best season on record it is well in keeping that the twenty-seventh annual meeting of the American Association of Nurserymen should establish a new high water mark for that prosperous organization. Large as were the conventions at Chicago two years ago and at Niagara Falls last June, this meeting was larger, both in attendance and in interest. Furthermore the business transacted between the members was most satisfactory; indeed, it was one of the best features of the convention, in pleasing contrast to the experience last year. The Plankinton House afforded excellent accommodations.

The assembly hall contained not less than 250 persons when President Berckmans called for order. He introduced Mayor Rose, to whom, as was to be expected, it "afforded much pleasure" to welcome such a fine gathering of "the flower of the land." The mayor did not omit to "hand over the keys of the city." He was responded to by N. H. Albaugh, and everyone who has attended a nurserymen's meeting knows what that means. President Berckmans then read his address. He spoke of the wonderful development of the nursery business in the past few years and pointed out that those who are on the best footing are the ones who send out nothing but good stock, true to name. He recommended that every nurseryman have a specimen orchard, to be resorted to for budding or grafting wood. He urged the necessity of cutting from nothing but bearing wood. The school of instruction for employes recently started by Thos. Meehan & Sons was commended. In conclusion Mr. Berckmans spoke of the importance of arranging the convention programme to permit of full discussion of trade matters.

Secretary Geo. C. Seager reported 766 names on the membership roll. Treasurer C. L. Yates showed receipts for the year to have been $1,598.22 and cash on hand June 1, 1902, $2,717.07.

Prof. L. H. Bailey was introduced and spoke extemporaneously for nearly an hour on the trend of the nursery business and its future. He thinks the most successful nurseryman is the one who is imbued with the idea that he is doing a work for humanity. He said that the tendency is to specialize, to get away from the dead level of growing just such stocks in just the way every other man grows it. It was advised that the home market be cultivated. Prof. Bailey also urged that the school children be encouraged to grow plants as a means of fostering the local demand.

Thursday's session opened with the recommendations of the state vice-presidents and the election of officers, as follows: President, Charles A. Ilgenfritz, Monroe, Mich.; vice-president, D. S. Lake, Shenandoah, Ia.; secretary, George C. Seager, Rochester; treasurer, C. L. Yates, Rochester; executive committee, Wm. Pitkin, Rochester; N. W. Hale, Knoxville, Tenn.; Peter Youngers, Geneva, Neb. It was voted unanimously to meet in Detroit next year.

CHARLES A. ILGENFRITZ.
President American Association of Nurserymen.

N. H. Albaugh, of Phoneton, O., was introduced by President Berckmans to "read a paper." Of course it was a slip of the tongue, an inadvertence, for the Buckeye orator was never known to "read" any of his famous addresses. He gave an extemporaneous dissertation on "Who's a What," dealing facetiously with "bugs, buggers and humbugs."

He was followed by C. L. Watrons with the report of the legislative committee, dealing with the national inspection law now pending in congress. The conclusion of the reading of this report is always a sign for the orators of the association to clamor for the floor. N. W. Hale introduced a resolution in which the association emphatically endorsed the pending legislation, after remarks by Silas Wilson, N. H. Albaugh, George A. Sweet, A. L. Brooke, E. W. Kirkpatrick, J. S. Kerr and others. On motion of Z. K. Jewett, the committee was given a unanimous rising vote of thanks for its labors on this bill, which is thought to as nearly represent the interests of the nurserymen as any law can which will be able to get through both houses of congress.

Prof. F. W. Taylor spoke of the provisions made for horticulture at the St. Louis exposition of 1904, outlining the plans of the department and suggesting means by which it is hoped, and almost assured, the nursery display will be the finest on record at any exposition in the world. He was closely listened to and on motion of G. W. Sallee, a resolution was adopted giving hearty endorsement to the exposition plans. The afternoon of Thursday was spent in a trolley ride about the city and in a visit to the places where the beverage is made which makes Milwaukee famous.

On Friday morning there was a paper by A. Willis, of Ottawa, Kans., on "The Relation of the Nurseryman to the Community in which he Lives." Unfinished business and the report of the committee on final resolutions brought a close to the convention.

The trade exhibit was about the same as usual as to stock shown, but not quite so large in extent as in recent years. Following is the list: Gage County Nursery, Beatrice, Neb., apple and pear seedlings; H. T. Jones, Elizabeth, N. J., raffia; Dayton Fruit Tree Label Company, wooden labels; August Rhotert, New York, raffia; D. Hill, Dundee, Ill., evergreens; Rochester Lithographing Company, Rochester, N. Y., fruit plates; Benjamin Chase, Derry, N. H., wooden labels; Greening Bros., Monroe, Mich., photographs; Stecher Lithographic Company, Rochester, N. Y., fruit plates; E. W. Kirkpatrick, McKinney, Tex., plums and peaches; Joseph Heinl, Jacksonville, Ill., junipers and roses; J. H. McFarland Company, Harrisburg, Pa., photographs; McMillan Company, New York, horticultural books; Jackson & Perkins Company, Newark, N. Y., tree counter registers.

Retail Nurserymen's Protective Association.

The usual yearly meeting of the American Retail Nurserymen's Association was held at Milwaukee, June 12. The principal business was the election of officers, as follows: President, C. J. Brown, Rochester, N. Y.; vice-president, F. H. Stannard, Ottawa, Kans.; secretary and treasurer, L. R. Bryant, Princeton, Ill.

Mutual Protective Association.

The Nurserymen's Mutual Protective Association is one of those harmonious bodies which meet, listen to the reports of a prosperous year, re-elect officers and adjourn. The meeting at the Plankinton House, Milwaukee, June 11, took less than half an hour. The officers are: President, N. H. Albaugh, Phoneton, O.; vice-president, Wm. C. Barry, Rochester; secretary and treasurer, Geo. C. Seager, Rochester; executive committee, E. Albertson, Bridgeport, Ind.; Irving Rouse, Rochester; F. H. Stannard, Ottawa, Kans.

Nurserymen's Protective Association.

The American Nurserymen's Protective Association has seldom had a larger or more interesting session than that at Milwaukee, June 12. A good majority of the ninety-five members were present. Seven new members were elected. The society deals with credits and allied subjects and its condition is so satisfactory that there was no disposition to alter the control. The officers are: President, Wm. Pitkin, Rochester; vice-president, A. L. Brooke, North Topeka, Kans.; secretary, T. B. Meehan, Germantown, Pa.; treasurer, Peter Youngers, Geneva, Neb.; executive committee, Wm. Pitkin, Rochester; J. H. Dayton, Painesville, O.; C. J. Brown, Rochester.

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FRUIT AND FLOWER
PLATES IN COLORS

OVER Three Thousand Varieties and more than Two-and-a-Half Million Plates Constantly carried in stock.

We have a larger variety and a larger stock of Colored Plates than any other concern in the World, made in Lithograph, Litho-Process, Photo-Process, Photograph and Hand Painted.

N. B.—We carry in stock all forms and blanks necessary to successfully conduct the Nursery business.

VREDENBURG & CO.
ROCHESTER, N. Y.

Park Architects and Dealers
will find whatever they want in the
Holland Nurseries, DeBilt near Utrecht
HOLLAND.
SPECIALTIES ARE: Conifers. Evergreens, Hardy Shrubs, Lilacs, Ornamental Trees, Fruit Trees in different forms, Azaleas, Rhododendron Ponticum and Hybridum.
Please send list of your wants and write for general catalogue. We will make you special offers. Write to
GROENEWEGEN & ZOON,
De Bilt, near Utrecht, Holland.

Shasta Daisy
THE LATEST FLORAL WONDER.
Plants 25c each; $2.50 per doz.; $15.00 per 100; $100.00 per 1000. 25 at 100 rate. 500 at 1,000 rate. 100 seeds, 50 cents.
CALIFORNIA CARNATION CO.
LOOMIS, CAL.

B. W. DIRKEN,
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ORNAMENTAL AND FOREST TREES
A SPECIALTY.
Conifers, Evergreens, Hollies, Etc.
Prices on Application.

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NEW YORK Office, 66 Beaver Street Telephone, 928 Broad. | A. B. C. Code Used Cable Address, Vangrift. | CHICAGO Office, 315 Dearborn St. Phone, Harrison 840.

PANSIES
New Giant Mme. Perret, the prize strains exhibited at the Pan-American Exposition, true stock, trade packet, 50c; $5.00 per ounce. Our choicest mixture of the best strain procurable, 50c trade packet; ⅛-ounce, $2.00; ounce, $7.00.
Walter Mott Seed & Bulb Co.
JAMESTOWN, N. Y.

P. LOEF AZ. & CO.,
BOSKOOP, HOLLAND,
Growers of HARDY AND ORNAMENTAL NURSERY STOCK in large quantities.
New York Address care
P. J. VAN HEININGEN, 136 Water Street.
Send for our wholesale price list.

LAUREL HILL Nurseries, F. BRUNTON Manager.
Importers and growers of Choice Hardy Perennials. Native Trees, Shrubs, Specimen Evergreens. We grow large quantities of Iris, Paeonias, Tritomas, Phlox, Delphiniums; stock is perfectly hardy, true to name. Send for Special Catalogue of New Hardy Alpine Iris, now in the press. STOCKBRIDGE, MASS., U. S. A.

Mention the American Florist when writing to advertisers on this page.

100,000 SMILAX
Strong plants from 2½-in pots, ready for planting, $1.25 per 100; $10.00 per 1000; $45.00 per 5000.
Double Fringed Petunias.
If you want stock of Petunias forward us your order at once and secure a superb collection of ten novelties. Strong plants from 2½-inch pots, in bud and bloom, $1.25 per 100; $10.00 per 1000; 250 at 1000 rate. Cash.
The W. T. Buckley Plant Co., Springfield, Ill.

BEGONIA GLOIRE DE LORRAINE,
Begonia Light Pink Lorraine,
For June and Later Delivery,
$15.00 per 100; $140.00 per 1000.
Edwin Lonsdale, Wyndmoor, near Chestnut Hill, Pa.

Please mention the American Florist when writing.

ROBT. CRAIG & SON,
Roses, Palms
and Novelties in Decorative Plants,
Market and 49th Sts., Philadelphia, Pa.

Please mention the American Florist when writing.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 79 Milk St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At New York.

William Burns and William Siebrecht were the only bowlers who turned up at the alleys last Monday afternoon. They had a nice little game all to themselves. Following is the score:

Player	1st	2d	3d	Av.
Burns	190	165	172	176
Siebrecht	166	166	172	168

At Philadelphia.

At last the machinery that is to grind out the convention team has been set in motion and from now on the pins will fly in earnest. The meeting of the committee that adopted rules under which this preparatory contest is to be conducted was about the worst in point of confusion that it has ever been our lot to attend. It resembled a Quaker meeting in this respect, that the spirit moved one or two of the members to speak once each, this occurring when the meeting opened, and they were hard at it when weary Chairman Westcott dropped his gavel and declared the meeting adjourned. The summary of the rules is about as follows: Four matches of three games each are to be bowled on strange alleys, the first seven men in each match to be given a point and if any are ties for last place they get a half point. At the end of the tournament the six men having the highest number of points are to comprise the team and the next best player to go as substitute. Some rattling good games are being put up on the alleys these days. A four-handed game the other day developed 247, 211, 207, 177. Pretty fast company this. The following are the averages of all games played during May, 990 games being the total:

Player	Av	Player	Av
Dunham	178	Ronsail	153
Moss	169	Kirk	153
Kuestner	168	Harris	152
Kift	167	Holmes	149
Moore	165	Sweet	149
Mooney	164	Anderson	148
Connor	163	Hitschler	148
Adelberger	161	Gibson	143
Fletcher	160	McElroy	133
Westcott	155	Hoegerle	132
Eimermann	155	Leaver	132
Archer	155	Eikineyer	130
Craig	155	Hanna	128
Allen	154	Dunlap	126

K.

Cincinnati.

HOT WEATHER INJURES STOCK.—GOOD DEMAND FOR THE SUPERIOR GRADES—GROWER SUFFERS FROM HAIL.—HERE AND THERE.

Stock is beginning to show the effects of warm weather and about three-quarters of that received is second grade. Good material is selling well at fair prices, but it is a hard matter to move the poor stock at any price. The market is glutted with Lilium candidum and it looks as though every market woman coming in adds a few hundred to the already glutted stands. The demand is for white roses and this is about the only article that seems scarce. Sweet peas are coming in more freely, in fact there is about as many again as can be sold, quite a change from last week.

A TRADE PICNIC PARTY AT WESTERN SPRINGS, ILL.

Carnations are holding up wonderfully well both in quality and quantity. Bridesmaid roses, too, are good in size and color for this time of the year. Graduation exercises are about over and any week now we can look for the summer dullness to set in.

C. H. Roney, manager of the Lakeview Rose Gardens, Jamestown, N. Y., was in town the past week sizing up the market. Undoubtedly Mr. Roney thinks this is a good market, judging from the amount of flowers he shipped in during the past few days.

Theo. Bock, of Hamilton, was in town Tuesday looking for different kinds of stock and judging from his smiling countenance he must have got what he was after.

Gus. Hoffmeister reports this season's business as a record breaker. He contemplates erecting a house of good size this summer for smilax and asparagus.

Wm. Sunderbruch now has charge of the Clifton Rosehouses and is sending in a nice lot of La France roses.

Frank Benson, of Newport, Ky., lost about 250 panes of glass by the hail last Saturday. D.

ELLIS, MASS.—Peter Fisher has lately been on the sick list.

DAYTON, O.—On the evening of June 2 W. G. Matthews and a companion were thrown from their buggy by the force of a collision with another vehicle. Mr. Matthews was rendered unconscious by the fall but no serious results followed.

Roses

For Winter Flowering.

Fine healthy stock from selected cuttings: Perles Brides, Maids, Kaiserins, Wootton, Bon Silene, Mme. Hoste, Meteor, Safrano, Papa Gontier, Golden Gate, 3-inch pots, $7.00 per 100; 4-inch pots, $10.00 per 100.

American Beauty, Sunrise, Liberty, 3-inch pots, $9.00 per 100; 4-inch pots, $12.00 per 100.

GRAFTED ROSES.

Kaiserin, Golden Gate, 3½-inch pots, $15.00 per 100.

J. L. Dillon, Bloomsburg, Pa.

Lilium Harrisii

Indispensable for Early Forcing.

Our own growers pack all our Bermuda Bulbs and personally grow half our supply. Careful attention to the growing crop, weeding out diseased plants, proper grading of the bulbs when dug, business-like packing and handling, all go to make success with Harrisii. We invite your orders under these conditions. Our bulbs will pay you.

Write for Prices before closing any forcing stock orders.

VAUGHAN'S SEED STORE

14 Barclay Street, New York.
84-86 Randolph St., Chicago.

ANNUAL CLEARANCE SALE

To close out surplus stock we will offer the following goods at greatly reduced prices until sold. Orders filled in rotation. Order quick to insure these prices. Cash with order.

Sphagnum Moss Clean and fresh. 5 bales, $4.00; 10 bales, $7.00; 25 bales, $16.50.

Wheat Sheaves Per dozen, A, $1.40; B, $2.25; C, $3.25; D, $1.50; E, $5.50; F, $7.00; G, $9.00.

Ribbons Best florists satin, all colors, per bolt, No. 5, 45c; No. 9, 70c; No. 12, 95c; No. 16, $1.10; No. 22, $1.20.

Cycas Leaves Best imported stock, 24 to 48 inches, assorted, per dozen, $2.00; per 100, $15.00.

Cane Stakes 5 to 6 feet long, per 1000, $1.50; 10,000, $10.00.

Baskets All kinds in assortments, $5.00, $10.00 and $25.00, 10 per cent less than regular prices.

Tin Foil Either 5 or 7-inch, 5 pounds, 45c; 10 pounds, 80c; 25 pounds, $1.95; 100 pounds, $7.50.

White Pampas Plumes Select stock, per 100, $2.50; 1000, $20.00
COLORED, Assorted colors, per 100, $5.00

NO QUANTITY LESS THAN THOSE NAMED AT PRICES QUOTED.

Remember we are **HEADQUARTERS** on all **CUT FLOWERS.**

McKellar & Winterson Co.

45-47-49 Wabash Ave., Chicago.

ROSE PLANTS

Well Established.

	Per 100	Per 1000
AM. BEAUTY, 3-in. pots	**$8.00**	**$75.00**
AM. BEAUTY, 2½-in. pots	6.00	50.00
LIBERTY, 2½-in. pots	12.00	100.00
BRIDE, 2½-in. pots	3.00	25.00
MAID, 2½-in. pots	3.00	25.00
PERLE, 2½-in. pots	3.00	25.00
METEOR, 2½-in. pots	3.00	25.00
GOLDEN GATE, 2½-in. pots	3.00	25.00

All plants sold under express condition that if not satisfactory when received they are to be returned immediately, when money will be refunded.

PETER REINBERG,

51 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing.

Clearing Sale of Rose Plants

We have on hand the following Rose Plants that we must dispose of immediately as we are obliged to have the room. They were grown for our own use but we have concluded to grow only grafted stock, therefore this stock is for sale. We fully guarantee the plants to be in first-class condition in every respect, and to get rid of them we will sell at the following low prices:

7,000 MAIDS in 3-inch pots	**at**	**$30.00**	**per 1000**
4,000 MAIDS in 2-inch pots	**at**	**20.00**	"
3,500 MAIDS in 4-inch pots	**at**	**40.00**	"
2,000 GOLDEN GATES in 4-inch pots	**at**	**40.00**	"
1,000 GOLDEN GATES in 3-inch pots	**at**	**30.00**	"
1,000 GOLDEN GATES in 2-inch pots	**at**	**20.00**	"
1,500 METEORS in 4-inch pots	**at**	**40.00**	"

250 AT 1000 RATES.

This stock is as good as can be grown and guaranteed to be so.

Bassett & Washburn,

76 WABASH AVENUE, CHICAGO.

GREENHOUSES, HINSDALE, ILL.

Florists' Calendar FOR JUNE.

	100	1000
ASPARAGUS PLU. NANUS. selling out.	$ .75	$6.50

CINERARIA HYBRIDA max. grandi., pkt., 500 seeds, 25c; 5 pkts., $1.00.

CINERARIA HYBRIDA nana, dwarf grandi., pkt. 500 seeds, 25c 5 pkts., $1.00.

CALCEOLARIA HYBRIDA grandi., max. or nana, dwarf grandi., either pkt., 500 seeds, 25c; 5 pkts., $1.00.

CALCEOLARIA, SHRUBBY, RUGOSA, pkt. 25c.

FERN SPORES, finest sorts mixed, pkt. 25c.

PRIMULA SINENSIS FIMBRIATA, the finest **ENGLISH STRAINS** in pure white, Chiswick red Kermesina rose, blood red, Cœrulea **True Blue,** each 100 seeds, 25c; in 1000 lots, $1.75. All colors mixed, 100 seeds, 20c; 1000 seeds, $1.50.

FRESH PANDANUS UTILIS SEED, 100, $1; 1000, $8.50.

SEND FOR OUR

NEW LIST

all Summer and Fall Forcing Bulbs.

Save 10 per cent and get good stock.

Address H. H. BERGER & CO.,

Established 1878. 47 Barclay St., NEW YORK CITY.

Orchids!

Arrived in fine condition: Cattleya labiata, C. Skinneri, C. Dowiana, Oncidium varicosum Rogersii and Peristeria elata; also a fine lot of Anthurium Scherzerianum. Write for our illustrated, descriptive catalogue of orchids. Special list of freshly imported unestablished Orchids, just ready. Write for a copy.

LAGER & HURRELL, SUMMIT, N. J.

Orchid Growers and Importers.

Please mention the American Florist when writing.

BEGONIA GLOIRE DE LORRAINE,

2¼-inch pots, $15.00 per 100.

Write for prices on large lots. Stock guaranteed absolutely free from disease.

THOMAS ROLAND, Nahant, Mass.

Please mention the American Florist when writing.

Roses! Roses!

Strong Select 3-inch Plants—Some very fine 3-in. Meteors at $5.00 per 100; 3-in. Perles $6.00, Golden Gate $5 and American Beauties, $10.00 per 100. Elegant stock to plant now. Also a fine lot of 2½-in. Brides and Golden Gates at $30 per 1000.

W. H. GULLETT & SONS, LINCOLN, ILL.

Liberty Roses

1,500 2x2½-in. pots, ready to send out.

Write GEO. A. KUHL, Pekin, Ill.

ONION SETS—NO MORE OF THEM.

Sow my Hardy White Onion.

SEND FOR CIRCULAR.

BEAULIEU, the Pansy Man, WOODHAVEN, N. Y.

Washington.

MANY FINE FUNERAL PIECES CALLED FOR AS TRIBUTES TO LORD PAUNCEFOTE.—ORCHIDS AND BEAUTIES.—MEMORIAL DAY BROUGHT MUCH BUSINESS.

The obsequies for Lord Pauncefote called for some very fine funeral work, a feature of which was the number of orchids used. Either these or American Beauty roses were a part of a large proportion of the designs and of nearly all the best pieces. J. H. Small & Sons thatched the vault at Rock Creek Cemetery with deutzias, white pæonias and longiflorum lilies. They also made the greater number of the designs, having orders from the diplomatic corps, Secretary Hay, Secretary Hitchcock, General and Mrs. Miles, Hon. Levi P. Morton, Mrs. James G. Blaine, Mrs. Cornelius Vanderbilt and others. A. Gude & Brother made a very large wreath of American Beauty roses and lily of the valley which was the tribute of King Edward to his departed representative. They also made a fine wreath for the members of the British Embassy.

Memorial day brought a great demand for cut flowers and greens of all descriptions, especially such outdoor flowers as pæonias, deutzias, philadelphus and even the common field daisy. The cool weather, approaching frost, made the better class of flowers rather scarce. There was a large demand for small flat baskets filled with cut flowers.

P. G.

Grandville, Mich.

The Stover Floral Company reports that last Decoration day was the busiest one with them for many years. The call for stock for cemetery planting was particularly large. The weather here recently has been exceedingly rainy, there being a heavy shower almost every day. Crabb & Hunter have abandoned their usual carnation ground on account of the water, leasing another location west of Grand Rapids. This has delayed planting with them somewhat.

CARSON, IA.—James McSweeney, who is a grower of garden and field seeds and berry plants, is this season adding two new greenhouses to his establishment.

Cannas, Roses, Palms, Etc.

CANNAS. Strong, 3-in. pot plants, unless noted at $4.00 per 100.
Florence Vaughan, Queen Charlotte, J. D. Cabos, Egandale, Duke of Marlborough, Robert Christie, Italia, Pres. Cleveland, Sophia Buchner, Burbank, Alsace,
Martha Washington, at $6.00 per 100.

ROSES. A general assortment of Ever-blooming varieties, strong, 2-inch and 2½-inch pots, $2.50 per 100; $20.00 per 1000.

GERANIUMS. S. A. Nutt, Mme. Barney, Richelieu, La Favorite, John Doyle, Mme. Charles Molin and Beaute Poitevine, $30.00 per 1000.

	Per 100
Marquis de Castellane	$6.00

Set of 4 New Bruants for 60c.
Set of 8 New Doubles for $1.50.
In good assortment, our choice of varieties, $27.50 per 1000.

	Per 100
PRIMULA FORBESI	$3.00
HELIOTROPES	2.00
SELAGINELLA Emmeliana	2.00
FUCHSIAS, in good assortment of varieties, 2½-in. pots	2.50
BEGONIAS—Vernon and Vulcan	2.50
LANTANAS in variety	2.50

PALMS.

Areca Lutescens, 2½-in. pots, $30.00 per 1000	4.00
Areca Lutescens, 3-in. pots	8.00
Areca Lutescens, 4-in. pots., 3 plants in a pot	20.00
Kentia Belmoreana, 2½-in. pots	7.00
Kentia Belmoreana, 3-in. pots	15.00
Latania Borbonica, 2½-in. pots	3.00
Latania Borbonica, 3-in. pot, $40 per 1000	5.00
Pandanus Utilis, 2½-in. pots	5.00
Pandanus Utilis, 4-in. pots	15.00
Pandanus Veitchii, 4-in. pots, $6.00 per doz.	

The Storrs & Harrison Co.
PAINESVILLE, OHIO.

MARIE LOUISE VIOLETS
Extra good plants from cold house, equal to 2½ and 3-inch pot plants, sand cuttings, $3 per 100.
EMIL GLAUBER, Montclair, Colo.

A NEW BOOK
"How to Make Money GROWING VIOLETS"
by George Saltford, 30 years' practical experience. PRICE, 25 and 50 cents, postpaid—Money order preferred. **VIOLET CULTURE CO.,**
61 Quincy Street, BROOKLYN, N. Y.

..Violet Plants..
Ready for immediate shipment.

Imperial	$2.75 per 100	$25.00 per 1000
Swanley White	2.75 per 100	25.00 per 1000
M. Louise	2.75 per 100	25.00 per 1000
Lady Campbell	2.50 per 100	22.50 per 1000

Crabb & Hunter, Grand Rapids, Mich.

IMPERIAL VIOLETS
6000 Superb Plants now in soil, ready for immediate shipment, from plants of 1902; selections that have averaged 110 flowers per plant the past season. $20.00 per 1000; $2.50 per 100. This is the Best Violet Grown, the largest, the darkest and the best keeper and shipper. Address the originator. **W. L. MINOR, BROCKTON, MASS.**

CYCLAMEN
Persicum Splendens Giganteum. Finest strain in the world, in four true colors, well-grown plants, from 2½-inch pots, $4.00 per 100; $35.00 per 1000. Extra selected, $5.00 per 100; $40.00 per 1000. Satisfaction guaranteed.
PAUL MADER, East Stroudsburg, Pa.

PÆONIAS!
ORDERS TAKEN NOW FOR SEPTEMBER SHIPMENT.....
J. F. ROSENFIELD, West Point, Neb.

IMPERIAL VIOLETS.
Fine, strong plants, from 2-in. rose pots, $2.50 per hundred; $22.50 per thousand.
Central Michigan Nursery,
KALAMAZOO, MICH.

Violet Plants

WELL ESTABLISHED		Per 100	1000
IMPERIAL	2¼-inch	$2.75	$25.00
MARIE LOUISE	"	2.75	25.00
FARQUHAR	"	2.75	25.00
SWANLEY WHITE	"	2.75	25.00
CAMPBELL	"	2.50	22.50

GRAND RAPIDS VIOLET CO.
GRAND RAPIDS, MICHIGAN.

GERANIUMS IN BLOOM.
Fine stocky plants, 4-inch, $6.00 and $8.00 per 100; 3-inch, $5 per 100.
SALVIA, in bloom, 2½ and 3-inch, $4.00 per 100.
COLEUS, 2-in., $2 per 100; 3-inch, $3 per 100.
ALTERNANTHERA, 2½-inch, $2.50 per 100.
ASPARACUS SPRENGERI, 4-in., $12.50 per 100.
ROSE PLANTS, Brides, Bridesmaids, Meteors and Golden Gates, 2½ and 3-inch, $3.50 per 100. 4-inch Kaiserin, $10.00 per 100. Cash or C. O. D.
W. J. & M. S. Vesey, Ft. Wayne, Ind.

Cannas
Strong plants in 4-inch pots at $6 per 100 of the following varieties: Chicago, Allemania, Alphonse Bouvier, Compte Bouchard, J. G. Eisele and Bassett's Red.
H. N. HOFFMAN, ELMIRA, N. Y.

YOUNG ROSE Stock
Cuttings from Grafted Plants.
3 inch Maids, Brides and Meteors, $5.00 per 100; $45.00 per 1000.
3½-inch Maids, Brides and Meteors, $6.00 per 100; $55.00 per 1000.

ADIANTUM CUNEATUM.
2½-inch pots, $2.75 per 100; $22.50 per 1000.
Cash with order. Send for sample.

The F. R. Williams Co.
CLEVELAND, OHIO.

FOR SALE.
1800 Myrtle Plants
From 2½-inch pots, extra heavy stock, at **$3.00** per 100; **$25.00** per 1000. Rooted Cuttings from flats, **$1.50** per 100; 2½-inch size. Planted out now will make nice stock for Winter Trade.
Unknown parties cash with the order.
Chas. Schweigert, Niles Center, Ill.
Please mention the American Florist when writing.

Special

THIS WEEK.

	Per 100.
GERANIUMS, Jean Viaud, 4-inch	$6.00
" S. A. Nutt, 4-inch	6.00
" Queen of the West, 4-in	5.00
" Double Gen Grant, 4-in	5.00
" In variety, 3-in	3.00
DOUBLE FRINGED PETUNIAS, finest strains, 4-in., $6.00; 2½-in	2.50
VINCA VARIEGATA, 2 yrs. old, extra heavy, 4-in., $8.00; strong plants, 3-in	2.50
COLEUS, assorted colors, strong plants, 2½-in.	2.00
SWEET ALYSSUM Giant double, 2½-in	2.00
ACHYRANTHES, red and yellow, 2½-in	2.00
HELIOTROPE, coming into bloom, 3-in	2.00
SOLANUM, white, strong, 3-in	2.00

CHRYSANTHEMUMS.

From 2½-in. pots, Major Bonnaffon, Ivory, Jerome Jones, Maud Dean, $2.50 per 100; Col. D. Appleton, Geo. W. Childs, Lady Anglesey, Pacific, $3 per 100; Chadwick, Timothy Eaton, $5 per 100.

B. FRANK BARR, LANCASTER, PA.

Please mention the American Florist when writing.

ROOTED CUTTINGS

Estelle, $5.00; Lawson, $4.00; Marquis and Elm City, $2.00; Crocker and Lord, $1.00 per 100. Other varieties on application.

DANA R. HERRON, OLEAN, N. Y.

Please mention the American Florist when writing.

VEGETABLE Plants.

Cabbage, Danish Ballhead, grown from own imported seed from my brother in Denmark. $1.25 per 100. Also Wakefield and Early Summer.

Celery, White Plume, and Celeriac, transplanted, very strong plants. $2.50 per 1000; sample, 5c.

LUDWIG MOSBAEK,
8500 Anthony Ave., near So. Chicago Ave., Chicago.

Please mention the American Florist when writing.

FUMIGATION METHODS

By PROF. W. G. JOHNSON

Formerly State Entomologist of Maryland

A Practical Treatise and timely work on cheap and effective means of destroying insect pests and other vermin in various places. This work is the outcome of practical tests made by the author, together with the experiences of others, and is one of the most important books published this season and is much needed at this time. It will be of particular interest to

FRUIT GROWERS AND NURSERYMEN owing to the widespread prevalence of the notorious San Jose scale. Hydrocyanic acid gas is the only practical remedy for the destruction of this pest and is being used more extensively than ever before by nurserymen and fruit growers. The perfection of the apparatus for fumigating young orchard trees is outlined in this work. The methods can be easily applied in orchards and nurseries for many dangerous pests at very small cost. The writer is considered the best authority on this subject in this country and has left nothing undone to make this the most complete work of the kind ever published.

GARDENERS AND FLORISTS have found that vegetables and flowers cannot be grown under glass without frequent fumigation for the destruction of insect pests. Hydrocyanic acid gas has solved this problem. The methods of procedure are fully described and every detail is given for generating and applying the gas.

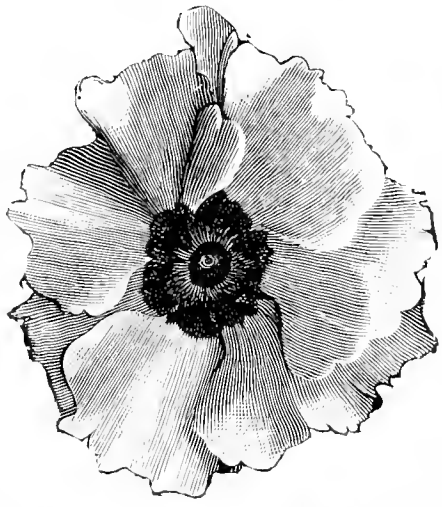
MILLERS AND GRAIN DEALERS have been looking forward to the publication of this work, as hydrocyanic acid gas has been found one of the most important materials for clearing mills and warehouses of insects. The subject of carbon bisulphide for fumigating mills and elevators containing grain in storage is also thoroughly considered. To this trade the work is indispensable and transportation companies have found it of great value for the fumigation of cars, ships and other inclosures infested with vermin.

FARMERS OF THE COUNTRY have here fully described a simple, easy remedy for gophers, prairie dogs, squirrels and other animals in the ground, and rats and mice in any inclosure.

COLLEGE AND STATION WORKERS will find it an up-to-date reference work on this subject. It is complete in every respect and is the only work of the kind ever published. It is written in a popular non-technical style, profusely illustrated, handsomely bound, covering 250 pages, price, postpaid, $1.00.

AMERICAN FLORIST CO.
324 Dearborn St. CHICAGO, ILL.

VAUGHAN'S INTERNATIONAL PRIMULA



Unquestionably the best mixture of Chinese Primroses. It contains the largest variety of the best selling colors. Flowers large, beautifully fringed, borne in large clusters well above the rich green leaves. Pkt., (250 seeds), 50c; 5 pkt., (1250 s.), $2.00.

CHINESE PRIMULA, Chiswick red; Alba Magnifica, white; blue, pink, striped. Each, per pkt. of 250 seeds, 50c; 1000 seeds, $1.75.

DOUBLE CHINESE PRIMULA, white, pink, red or mixed, per pkt., 50c.

CINERARIA VAUGHAN'S COLUMBIAN MIXTURE. A mixture of the best English and German strains, unsurpassed. Pkt. (1000 seeds) 50c; 3 pkts., $1.25.

CALCEOLARIA HYBRIDA, choicest mixture, pkt. 50c.

10 PER CENT discount on flower seed orders amounting to $2.00 and over for **CASH WITH ORDER.**

OTHER SEASONABLE SEEDS

Such as Cyclamen, Pansies, Perennials. Send for our midsummer list of bulbs, etc. Sent free to florists on request.

14 BARCLAY STREET, NEW YORK. **VAUGHAN'S SEED STORE,** 84 & 86 RANDOLPH ST., CHICAGO.

Philadelphia Palms.

JOSEPH HEACOCK,

WYNCOTE, PA. **Offers the following:**

ARECA LUTESCENS:

6-inch pot, 3 plants, 20 to 22 inches high.....75c each; $75.00 per 100
6-inch pot, 3 plants, 24 to 26 inches high.....$1.00 each; $100.00 per 100
8-inch pot, 3 plants, 30 to 36 inches high.....$3.00 each
10-inch pot, 3 plants, 42 to 45 inches high.....$5.00 each

KENTIA BELMOREANA:

6-inch pot, 6 leaves, 24 inches high.....$1.25 each; $15.00 per doz.
6-inch pot, 6 to 7 leaves, 26 to 28 inches high..... 1.50 each; 18.00 per doz.
8-inch pot, 6 to 7 leaves, 30 to 32 inches high..... 3.00 each; 36.00 per doz.
8-inch pot, 6 to 7 leaves, 36 to 40 inches high..... 4.00 each.

HOME GROWN, CLEAN AND HEALTHY.

Wittboldii Ferns....

A rare chance to get stock of this fine fern cheap. 2½-in. $5, 3-in. $8, 5-in. $20 per 100. Bench plants, good for 2½-in. $3, 3-in. $5, 4-in. $6, 6-in. $25 a 100.

CASH PLEASE.

A. J. BALDWIN, Newark, O.

ASPARAGUS.

	Per 100
Sprengeri, 2-in. pots	$2.00
Plumosus, 2-in. pots, ready June 15	3.50
Smilax, 2-in pots	1.50
Geraniums, to close out, mixed	2.00
PRIMROSES, CHINESE, OBCONICA and FORBESI, ready July 1st	2.00

CASH OR C. O. D.

JOS. H. CUNNINGHAM, Delaware, O.

GERANIUMS.

I have 500 each of Jean Viaud and Mrs. E. G. Hill, strong plants from 4-inch pots in full bloom at $6.00 per 100. Also a few in 3-inch pots at $4.00 per 100; or will exchange for Ricard, S. A. Nutt, Poitevine and La Favorite.

W. W. COLES, Kokomo, Ind.

Carnation Floriana.

We believe this to be the best pink carnation introduced to date, was disseminated in the spring of 1901 by originators, Messrs. Fillow & Banks. Price, $6 per 100; $50 per 1000. 50 at 100 rate, 500 at 1000 rate. Less than 50, 8c each.

Dailledouze Bros., Carnation and Chrysanthemum Specialists, FLATBUSH, BROOKLYN, N. Y.

Mention the American Florist when writing to advertisers on this page.

Des Moines, Ia.

SPRING BUSINESS UP TO BEST PREVIOUS RECORDS.—SHORTAGE OF STOCK FOR MEMORIAL PURPOSES.—LARGE SHIPPING DEMAND.—NOTES.

I do not know that I can say anything new by the way of trade notes in this part. Our spring business has been good. Memorial day was as good as last year, but our people have been holding the memorial services in the Auditorium instead of at the cemetery, as in past years. This, I think, has dampened the enthusiasm over decorating the soldiers' graves in this place. Our shipping business was much better than in other seasons and the demand for blooming plants was good. There was a scarcity of flowers. Carnations were not first-class and the local supply of roses was not nearly sufficient. We were unable to buy any that were fit to sell.

Chas. McAniff, rose grower for W. L. Morris, is setting up cigars over a twelve pound girl that arrived in his home June 8.

We had a little hail here last week, but no damage was reported. The weather is fine and all outdoor stock is doing well.

W. L. Morris is building a new rose house 48x200 feet. M.

Hartford, Conn.

GOOD MEMORIAL DAY TRADE.—CHEAP FLOWERS MOSTLY IN DEMAND.—OUTDOOR STOCK SCARCE FOR THE HOLIDAY.

Memorial day trade was far ahead of that in any previous year, most call being for cheap flowers, and this was the hardest kind to get, as scarcely any hardy stock was in bloom. Prices ranged about the same as last year with the exception of carnations, which brought a little higher price; they sold for 50 and 75 cents a dozen and were most in demand. Greenhouse roses brought $1 and $1.25 a dozen and were fairly good in quality; outdoor roses were not in abundance; deutzia was in full bloom and was used principally in making baskets, bouquets, etc. There was not much call for Easter lilies, a few being sold at $2 a dozen. Pæonias were much called for but few could be had, as it was a few days too early for them. J. J.

MAROA, ILL.—Eliza A. Cooper is leaving for a trip through Europe, expecting to return about September 1.

10,000 Roses

Meteors, Brides, Maids, Kaiserins, Beauties, Liberties, Golden Gate, La France, Belle Siebrecht. Write.

GEO. A. KUHL, PEKIN, ILL.

Carnations, Geraniums Cannas, Etc. Prices quoted upon application.

The Cottage Gardens, Queens, L. I.

Please mention the American Florist when writing.

GALAX Bronze or green, 75c per 1000, in 2 00 lots or over; single 100', $1.00. Fern, Fancy, $2.50 per 1000; Fern, Dagger, $1 50 per 1000. Leucothoe Sprays, bronze and green, assorted sizes, $1 per 100. Green sheet moss, $2.50 per bbl. bag.

L. J. KRESHOVER.

110-112 W. 27th Street, NEW YORK CITY.
Telephone call, 597 Madison Square.
HARRY A. BUNYARD, Mgr.

TO CLOSE OUT CHEAP

Spring Stock.

10,000 Coleus, different varieties.
3,000 Alternantheras, red and yellow.
2,000 Large Geraniums, different varieties.
200 Cobæas, from 15 to 20 feet long.
1 000 Salvias. 1 000 Fringed Petunias
1,000 Ageratum. 1,000 Sanvolina.

C. AMMANN,

120th St. and 7th Ave., NEW YORK CITY.

NOW IS THE TIME TO

Plant Dahlias

For September blooming, when first-class blooms bring $1.50 to $10 00 per 100. We carry complete stock. Send for up-to-date catalogue and special list of cut flower Dahlias.

W. P. PEACOCK, ATCO, N. J.

Chrysanthemums...

LEADING VARIETIES, 2½-in. pots, $2.00 per 100. Ready for bench.

ROSES. BRIDES, MAIDS, GOLDEN GATES, 2½-inch, $2.50 per 100. MAIDS, 4-inch, $5 per 100. 200 BEAUTIES, 4-inch, $8.00 per 100.

D. O PRATT, ANOKA, MINN.

THE COMING FERN IS MY NEW NEPHROLEPIS

"ANNA FOSTER"

DELIVERY IN SEPTEMBER.

Orders booked now at $25 per 100 for small plants. Larger plants, prices on application.

L. H. FOSTER, 45 King St., Dorchester, Mass.

Nasturtiums.

mostly Empress of India and other fine sorts, from 4-inch pots; bushy, beautifully in bloom, only $4.00 per 100.

SMITH'S HYBRID MOONVINES,

2½-inch pots, $5 per 100. Cash with order please.

GODFREY ASCHMANN,

(Rising Sun.) 1012 Ontario St., PHILADELPHIA, PA.

CANNAS 3 and 4-inch.

HENDERSON, CLEVELAND, CROZY, etc., ...$4.00 per hundred.

MOONVINE, 4-inch, staked, $6.00 per hundred.

JAMES FROST,

Lake County. GREENVILLE, OHIO.

All The Best **CARNATIONS**

Orders booked now for fall delivery.
SEND FOR PRICES.
Rotted cuttings and young plants all out.

GEO. HANCOCK & SON,
GRAND HAVEN, MICH.

S. S. SKIDELSKY,

708 N. 16th Street,
PHILADELPHIA, PA.
CORRESPONDENCE SOLICITED.

Roses. From 5-in. pots at 9c, fine clean plants; Clothilde Soupert, Gen. Jacqueminot, Coquette des Blanches, La France, Malmaison, etc. Large-flowered CLEMATIS—The finest purple, white, lavender and red sorts; 2-year from 5-inch pots, 18c; fine 1-year, at 9c. Clematis Paniculata 2-year from 5-inch pots, 10c; extra from 6-inch pots 18c. AMPELOPSIS VEITCHII—From 4-inch pots, 8c; from 3 inch pots, 5c. Packing free for Cash.

W. H. SALTER, Rochester, N. Y.

NOW COMPLETE IN FOUR VOLUMES.

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Comprising suggestions for cultivation of horticultural plants, descriptions of the species of fruits, vegetables, flowers, and ornamental plants sold in the United States and Canada, together with geographical and biographical sketches

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Cloth, $20. Half Morocco, $32.

Illustrated with 2800 original engravings. Cash with order.

AMERICAN FLORIST COMPANY,

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ASTER Plants

Semple's Branching and Queen of the Market, in white, pink, blue and red, fine plants, grown from the finest seed saved by myself, at $2.50 per 1000; 40c per 100.

J. C. SCHMIDT, BRISTOL, PA.

SPECIALTIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery,
CHRYSANTHEMUMS,
SMILAX, VIOLETS.

In Best Varieties

Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.

FAXON'S "WHITE HOUSE" PANSIES.

The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.

In Trade Packets at $1.00 each.

M. B. FAXON,

Lock Box 1528. BOSTON, MASS.

Correspondence solicited.

GERANIUMS

Standard varieties, 3½-inch pots, $6.00 per 100; $50 00 per 1000.

CANNAS—Standard varieties, 4-inch pots, $6.00 per 100; $50.00 per 1000.

EUGENE LEWIS, Elmira, N. Y.

American Florist Advts.

Reach all the Trade.

Chrysanthemum...

TIMOTHY EATON, well-rooted cuttings, $2.25 per 100. Sample 20 for 50 cts., express prepaid: Plants, $3.00 per 100, express not prepaid. All healthy and strong.

Aster Plants.

Queen of the Market, white, red, pink and mixed.

Florists' Upright Branching, outer petals recurved, center petals incurved, superb cut flower, pure white, daybreak pink, fiery scarlet and lavender.

Late Branching or Semple'a, white, rose pink, lavender, red and mixed.

All the above are the best money makers for florists, strong, healthy plants, assorted to suit, 50c per 100, $4.00 per 1000. Express prepaid for cash with order.

DES MOINES PLANT CO.,
38th St., Des Moines, Iowa.

NEW CARNATIONS.

Cressbrook and Fair Maid, strong, from soil, $1.50 per doz.; $10.00 per 100; $75.00 per 1000.

CHRYSANTHEMUMS

Fine strong plants from 2½-inch pots, ready now. Our selection, all good standard sorts, $2.00 per 1000. We have many other varieties than here listed. Send for complete list. Price per 100:

T. Eaton	$4.00	R. Halliday	$4.00
Nellie Pockett	8.00	Major Bonnaffon	3.00
Lady Roberts	8.00	Philadelphia	5.00
Mrs. E. D. Smith	6.00	Pennsylvania	5.00
Golden Beauty	8.00	Modesto	3.00
Mrs. Chamberlain	8.00	Nagoya	3.00
Mme. F. Bergmann	3.00	M. de Montmort	3.00
Willowbrook	3.00	Glory of the Pacific	3.00
Merry Monarch	3.00	Lady Harriett	6.00
Polly Rose	3.00	Maud Dean	4.00
G. S. Kalb	3.00	Xeno	3.00
Ivory	3.00	Geo. W. Childs	4.00
Mrs. J. Jones	3.00	Intensity	4.00
H. A. Parr	3.00		

H. WEBER & SONS, Oakland, Md.

'MUMS.

5,000 plants, strong, from 2-inch pots at 2c—Chadwick, Robinson, Yanoma, Silver Wedding, Lady Fitzwygram, Golden Wedding. Appleton, 3c; Eaton, 3c.

...ROSES...

500 Brides from 4-inch pots, 6c.
500 Maids from 4-inch pots, 6c.
300 Brides from 3-inch pots, 4c.
500 Maids from 3-inch pots, 4c.

JOY & SON CO., Nashville, Tenn.

Please mention the American Florist when writing.

'Mums

Standard Varieties

WHITE	YELLOW	PINK
Fitzwygram	Maj Bonnaffon	Glory of Pacific
White Ivory	Rieman	Pink Ivory
Mayflower	Yellow Mayflower	Viviand-Morel

Mrs. Jerome Jones—rooted cuttings, $1.50 per 100.

From 2½-inch pots, $2.50 per 100.

Monrovia, earliest yellow, White Bonnaffon, Lavender Queen, Col. Appleton, yellow — Rooted Cuttings, $2.50 per 100. From 2½-inch pots, $4 per 100.

Timothy Eaton, white, E. D. Smith, yellow, Mrs. W. B. Chamberlain, pink — Rooted Cuttings $3 per 100. From 2½-in. pots, $4.50

GEORGE HARRER, Morton Grove, Ill.

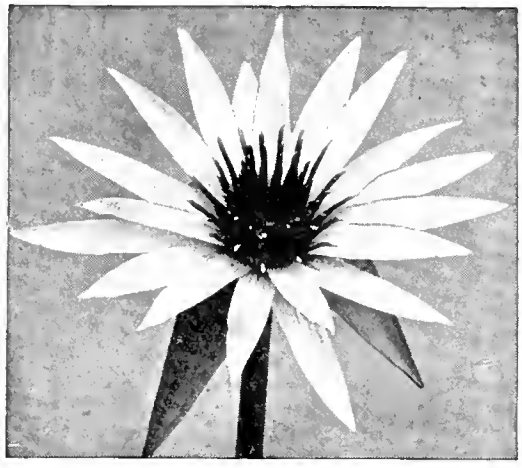
'MUMS

E. G. Hill, Maud Dean, M. Wanamaker, M. Henderson, Maud Adams, Yanoma Robinson, Superba, Helen Bloodgood, out of 2½-in., pots, $2 per 100. Will exchange for Fancy Ferns and Begonias.

A. D MONTGOMERY, HAZLETON, PA.

Please mention the American Florist when writing.

Hardy and Tender Water Lilies



NELUMBIUMS, VICTORIAS.

We have the most complete collection of Aquatic plants in the world. It embraces all the American and French hybrids and native and foreign species. For prices see Spring Edition of Dreer's Wholesale List, which is sent to the trade only

If uncertain what to plant, write us what your facilities are and we shall be pleased to assist you with practical suggestions.

HENRY A. DREER
714 Chestnut St., Philadelphia.

Freshly Imported ORCHIDS

CATTLEYA LABIATA, in superb condition, plump and well leafed, 6 to 8 bulbs to the plant, $100 per 100.

CATTLEYA SKINNERI, extra fine plants, 6 to 8 bulbs $90.00 per 100.

Also **ANTHURIUM SCHERZERIANUM,** in fine and fresh condition, $75.00 per 100.

Lager & Hurrell, SUMMIT, N. J.

ORCHID GROWERS AND IMPORTERS.

A FEW Good Things You Want.

I still have a full line of **PALMS, FERNS, BEDDING and DECORATIVE STOCK,** and can fill all orders at once If you are short of stock of any kind, or have late orders to fill, I have it. Order at once any bedding stock you may need. See issue of June 7th for prices.

GEO. M. EMMANS, Newton, N. J.

PALMS.

HOME-GROWN, FINE, CLEAN STOCK; GROWN COOL.

Write for Price List. **J. B. HEISS,**
The Exotic Nurseries, **DAYTON, OHIO.**

BARGAINS in Chrysanthemums and Fuchsias, named varieties, at $2.50 per 100.

Allamanda Williamsii	$4.00 per 100
Acalypha Sanderii	3.00 per 100
Russelia Elegantissima	3.00 per 100
Vinca Variegata	4.00 per 100

All good 2½-inch plants.

The Conard & Jones Co, West Grove, Pa.

SMILAX 2-inch, $1.00 per 100.
ROSES Brides and Maids, 2-inch, $2.00 per 100: $18.00 per 1000.

McALLISTER & COMPANY, Batavia Ill

A good adv in a good paper will bring good returns.

Bay Trees

1,000 SPECIMENS, PYRAMIDS and STANDARDS. We are the largest importers in America

BOXWOOD PYRAMIDS AND STANDARDS, globe and bush.

250,000 BOXWOOD EDGING.

KENTIAS

Belmoreana and Forsteriana, Araucarias and Aspidistras

We have just received the largest shipment of Palms ever brought to U. S. Send for catalogue and special prices. We import **BULBS** in large quantities. Send us lists for quotations. When in New York City don't fail to visit our nurseries.

BOBBINK & ATKINS,
RUTHERFORD, N. J.

Please mention the American Florist when writing.

Bradford, Pa.

BOILER EXPLOSION CAUSES SERIOUS LOSS. —G. L. GRAHAM THE VICTIM.—DAMAGE TO BE REPAIRED AT ONCE.

A boiler at the greenhouses of G. L. Graham, on the extension of Jackson avenue, exploded June 8 at about 9:45 o'clock, wrecking the buildings and contents. The loss is $2,000. Two boilers were used for heating the greenhouses, but because of the mild weather they had not been used for several weeks. Last Sunday evening Mr. Graham visited the greenhouses and fearing the cold might be injurious, started a fire. Just before retiring, about two hours later, he started to again visit the greenhouses to see if all was well for the night. He had just emerged from his house, which is next the greenhouses, when the explosion occurred. The detonation aroused the whole neighborhood, and could be heard for a long distance. The boiler house was almost entirely demolished, only a small portion being left standing. The boiler was rent in two by the force of the explosion. One portion of it was found later outside the pump station near the Erie railroad, 300 feet away. The other half was lodged in an orchard 500 feet from the greenhouse. The other boiler was badly damaged.

Two of the carnation houses were almost totally destroyed. The one nearest the boiler was reduced to a heap of debris and the other almost a total loss. The glass was blown to atoms and scattered broadcast. Mr. Graham has a force of men at work clearing the wreckage and he will rebuild or repair the houses at once.

Pennsylvania Horticultural Society.

At a meeting of the Pennsylvania Horticultural Society, held May 20, these prizes were presented for competition at the coming fall and spring shows:

James W. Paul, Jr., president of the society, $100, in classes for chrysanthemum plants.

Mrs. Thomas Wanamaker, $25, for chrysanthemum plants; $25 for display of bulbs.

Bailey, Banks & Biddle, a silver cup, to be placed in the classes for chrysanthemum plants.

American Rose Society, gold and silver medals for the November show, for the best new rose, foreign or home grown, not yet disseminated.

CHRYSANTHEMUMS.

Timothy Eaton, Parks,
Chadwick, Pitcher,
White Bonnaffon, Hobson,
Florence Hayes, Col. Appleton.
Rooted cuttings, $2.00 per 100.
From 2½-in. pots, $4.00 per 100.
Glory of Pacific, R. H. Pierson,
Polly Rose, Robinson,
Rooted cuttings, $1.00 per 100.
From 2½-in. pots, $2.50 per 100
N. Pockett, Pink Ivory,
Wanamaker, White Ivory,
H. J. Payne, Shrimpton,
Bonnaffon, Newitt,
Jerome Jones, McArthur,
Perrin, Harriott,
Maud Dean, Rieman.
Lincoln, Rooted cuttings, $1.50 per 100.
From 2½-in. pots, $3.00 per 100.

HERMAN C. STEINHOFF, West Hoboken, N. J.

'MUMS! ROSES! SPECIAL!

Col. Appleton, 2½-inch, $20.00 per 1000; rooted cutting, $15.00 per 1000. Maj. Bonnaffon, 2½-in., $18.00 per 1000; rooted cuttings, $11.00 per 1000. Our selection in proper proportion of color, 2½-inch, $20 per 1000; rooted cuttings, $12.00 per 1000.

100,000 2½ and 3-inch Maids, Brides, Gates and Meteors. 25,000 2½-inch Stevia and rooted cuttings, $20 and $12 per 1000.

Printed price list furnished on application.

Poehlmann Bros. Co., Morton Grove and Chicago, Ill.

Please mention the American Florist when writing.

ALTERNANTHERA

P. Major and Aurea Nana, $15 per 1000. Hermsdorff, $30 per 1000.

CANNAS

Strong plants of the following varieties, from flats: Shenandoah, Charles Henderson, Queen Charlotte, Italia, Star, Florence Vaughan, F. R. Pierson, Austria, Robusta, Peachblow. Price, $3.50 per 100; $30.00 per 1000.

COLEUS

Glory of Autumn, Golden Bedder, Crimson Verschaffeltii, Queen Victoria, from 2¼-in. pots, strong and clean, $2 25 per 100; $20.00 per 1000. Rooted cuttings, $7.00 per 1000.

SALVIA SPLENDENS, $2.00 per 100; $18.00 per 1000.
MARGUERITES, from 5-in. pots, fine bushy plants, full of buds, $25.00 per 100.
RUBBERS, Branched, 3½ feet high, $1.00 to $1.50 each.
KENTIAS, Belmoreana and Forsteriana, 3-in., strong $20.00 per 100.
DRACÆNA SANDERIANA, 3-in. pots, very strong and well colored, $25 per 100.
DRACÆNA GRACILIS, 3-inch, $15.00 per 100.
BOSTON FERNS, very bushy, extra fine stock, 6-in. pots, $50.00 per 100.

John Scott, Brooklyn, N. Y.

KEAP STREET GREENHOUSES. TELEPHONE, 1207 WILLIAMSBURG.

5000 Each of Alternanthera P. Major, red. " Aurea Nana.

Extra strong plants, $10.00 per 1000. Cash with order.

GEORGE A. HEINL, Toledo, Ohio.

COLEUS.

	Per 100
300 Verschaffeltii out of 2½-inch pots, good stocky plants, 300 for $7.00	$2.50
400 R. C. Coleus Verschaffeltii	.50
Mixed varieties out of 2-inch pots	1.50

CANNAS.

Austria, C. de Bouchard, Q. Charlotte, Allemania, L. Vaughan, Souv. de A. Crozy, M. Berat, F. Bismarck, F. Vaughan, Italia and Burbank out of pots at $5.00 per 100. Mixed varieties at $4.00 per 100.

	Per 100
Vincas, trailing, 4-inch pots, long runners,	$10.00
Swainsona, Alba and Rosea, 2-inch	2.50
Umbrella Plants, 2-inch	2.00
Asparagus Sprengeri, 2-inch	2.00
Lophospermum, 2-inch	1.50

Cash or satisfactory reference with order.

GEO. L. MILLER, Newark, Ohio.

Surplus Stock at a BARGAIN

	Per 100
25,000 Asparagus Sprengeri, 3-inch pots	$3.00
500 Kentia Belmoreana, 3-inch pots	10.00
1,500 Kentia Forsteriana, 3-inch pots	10.00
1,500 Kentias, from boxes	8.00
1,000 Latanias, 3-inch pots	5.00

20 Ficus Elastica, 8-inch pots, 5 to 6 feet, at $1.25 each.

Also a fine lot of Standard Sorts of Chrysanthemums, strong plants in 2½ and 3-inch pots; prices on application.

Brides, Maids, Golden Gates, Metcors, Perles and Mme. Hoste, 2½-inch pots, at $3.00 per 100.

WALKER & McLEAN, YOUNGSTOWN, OHIO.

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Choice Ferns,

From flats, strong plants, $10 per 1000. Sample 100 mailed $1.25.

8 to 10 best market sorts for jardinieres or pots, in lath sash, full sun, quite hard, in 2¼-inch pots, fit to shift, $3 per 100; $25 per 1000.

LOMARIA GIBBA, best small tree fern, for 5 or 6-inch pots, 2¼-inch, $2.50 per 100; $20 per 1000.

LYGODIUM SCANDENS, fine for cutting, on strings, like Smilax, 2¼-inch, $2.50 per 100; $20.00 per 100.

NEPHROLEPIS PHILIPPENSIS, extra fine, 2½-in., $3.00 per 100.

CLEMATIS PANICULATA, 4-in., fine, $4.00 per 100.

CLEMATIS PANICULATA, 100 strong seedlings, mailed for $1.00.

JOHN H. LEY, Good Hope, Washington, D. C.

'Dryden'

Geranium, the finest of all bedders, 3½-in. pots, $8.00 per 100; 2½-in., $4.00 per 100. Cash please.

HENRY EICHHOLZ, Waynesboro, Pa.

Pansy Seed.

The Jennings Strain.

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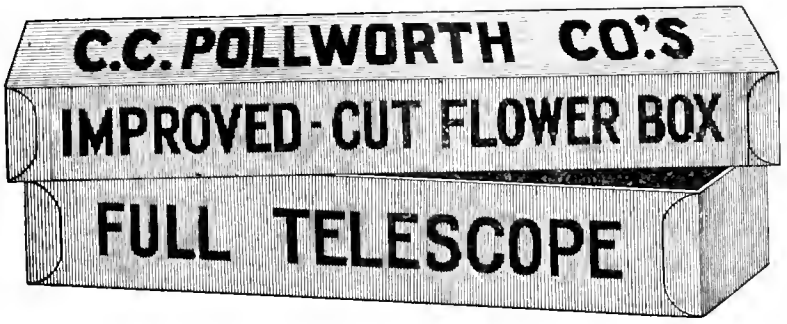

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☞ Samples free on application. No charge for printing in 500 lots or over.

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BEST RECENT INTRODUCTIONS. 2-inch pots, $3.00 per 100—500 Mme Charlotte, 300 Jean Viaud, 600 Mme. Landry, 1000 Hubert Charron.

STANDARD VARIETIES. $2.50 per 100—500 S. A. Nutt, 1000 Mars, 400 Marvel, 200 Mme. Buchner, 300 La Favorite, 250 Duc de Montemort, 150 Theo. Theulier, 200 Countess de Castiers, 100 Mme. Bruant, 100 Pierre le Brun.

STRONG FRAME GROWN. 4-inch pots, $7.00 per 100—250 Duc de Montemort, 200 Mme. Jaulin, 500 Marvel, 1000 S. A. Nutt. From 3½-inch pots, $5.00 per 100—500 Mars, 200 America.

BEGONIA REX, best varieties in 2½ and 3-inch pots, $5.00 per 100.

CYPERUS ALTERNIFOLIUS, 2-inch, 1000 at $2.50 per 100.

MATRICARIA, 2-inch, 400 at $2.00 per 100.

HELIANTHUS RIGIDUS, 2-inch pots, 250 at $2.50 per 100.

PENNISETUM LONGISTYLUM, 2½ and 3-inch pots, 1,200 at $3.00 per 100.

CAREX JAPONICA VAR., 2-inch pots, 1,500 at $2.50 per 100.

CANNAS, 3-inch pots. Pierson's Premier, Chas. Henderson, Florence Vaughan and Queen Charlotte, $5.00 per 100.

Nathan Smith & Son, Adrain, Mich.

Geraniums

Jean Viaud strong, 2½-inch, $35.00 per 1000.
S. A. Nutt, etc., strong, 2½-inch, $20.00 per 1000.
S. A. Nutt, etc., 4-inch, $5.00 per 100.

ASPARAGUS PLUMOSUS, fine 2½-inch, $5 per 100.
SMALL FERNS, for dishes, fine, 2½-inch, 4 varieties, $3.00 per 100.
ASPARAGUS SPRENGERI, strong, 2½-inch, $2.50 per 100.
HELIOTROPE, strong, bushy, 4-inch, $5.00 per 100.
CHRYSANTHEMUMS, 20 varieties, fine, 2½-inch, $25.00 per 1000
CANNAS, strong, Chas. Henderson, 4-inch, $1.00 per 100.
CALADIUMS, strong, 4-inch, $4.00 per 100.
VIOLETS, Marie Louise, 2-inch, $2.00 per 100.

Carl Hagenburger, West Mentor, O.

YOUR LAST CHANCE.

BRIDES and BRIDESMAIDS, clean healthy stock, 3-in. pots, $3.50 per 100.
GERANIUMS, bud and bloom, 3½-inch pots at $4.50 per 100; 2¼-inch, $2.25 per 100.
SALVIA, (scarlet sage), fine 2½-inch pots $2.50 per 100
ALTERNANTHERA, (3 varieties), fine 2-in. at $1.50 per 100.
AGERATUM, (3 varieties), 2-in., $1.50 per 100
GOLDEN BEDDER and ASSORTED COLEUS, 2-in. at $1.50 per 100.
Rooted cuttings of Assorted Coleus, 55c per 100.
CASH PLEASE.

R. I. HART & BRO., Hackettstown, N. J.

ASPARAGUS PLUMOSUS

4-inch strong, $10.00 per 100.

SMILAX, 2-inch, strong, $1.50 per 100.

BONE MEAL. Best in the market for Florists' use, $3.50 per 200 lb. bag.

ALBERT M. HERR, Lancaster, Pa.

Plant and Rooted Cutting List

NOW READY FOR SHIPMENT.

ROOTED CUTTINGS.

	Per 100
Coleus, Red Verschaffeltii	$ .75
Geraniums, Mme. Pollock	1.50
" Happy Thought	1.50
English Ivy	1.00
Heliotrope	.60
Chrysanthemums	1.25

POT PLANTS.

	Per 100
Pteris Tremula, 2¼-inch	$1.50
Pteris Tremula, 2½ inch	2.25
Pteris Tremula, 3-inch	4.00
Roses, Ulrich Brunner, 2½-inch	3.00
Hydrangea Otaksa, for growing on, 4-inch	5.00
Hydrangea Otaksa, " " 5-inch	7.00
Hydrangea Otaksa, " " 6-inch	10.00
Hydrangea Otaksa, " " 7-inch	15.00

CHRYSANTHEMUMS W. H. Lincoln, Jerome Jones, Golden Wedding, Philadelphia, Ivory, Thoroden, Pres. Smith, Minnie Wanamaker, Louis Boehmer, Maud Dean, Viviand-Morel, Major Bonnaffon, G. W. Childs, Mme. Bergmann, Glory of Pacific, J. G. Whilldin. Rooted cuttings, grand stuff, $1.25 per 100; $10.00 per 1000.

☞ All the above sold on the positive guarantee of their being first-class, if not, your money at once refunded.

Having to rebuild our greenhouses this season the following stock is in our way at the start. If you want any speak quick: Asparagus Plumosus, 3-year, from bed fine clumps, $18.00 per 100. Kentias, 2½-inch, very fine, $5.00 per 100. Roses—Ulrich Brunner and Paul Neyron, 2-year-old, from boxes, own roots, $8.00 per 100. Kentia Seedlings, from flats, 1-year, $3.50 per 100. Geranium Mrs. Pollock and Happy Thought, 1 and 2-year stock, plants from bench, $6.00 per 100. Cannas, 4-year-old, $5.00 per 100. Steel Wire Stakes, galvanized, No. 8 wire, 3 feet, used one season, $5.50 per 1000.

JOHN IRVINE & SONS, Bay City, Mich.

ARECA LUTESCENS, per doz.—2½-inch, 75c; 3 $1; 3½, $2; 4, $3.
KENTIA BELMOREANA, doz.—2½-in., $1.50; 3, $2; 3½, $3; 4, $3.60.
KENTIA FORSTERIANA, per doz.—2½-in., $1.50; 3-in., $2; 3½-in., $3; 4-in., $4.
LATANIA BORBONICA, per doz.—2½-in., 60c; 3-in., $1; 6-in., $7.20; 7-in., $10; 8-in., strong, $18.
PANDANUS VEITCHII, per doz.—5-in., $12; 6-in., $18; 7, $30; 8, $42.
NEPHROLEPIS BOSTONIENSIS, per 100—2-in., $4; 3-in., $8. Per doz.—5-in., $3; 7-in., $9; 8-in., $12; 9-in., $18; 10-in., $24.
ASPARAGUS PLUMOSUS NANUS, 2-in., $4 per 100; 3 in., $8 per 100.
ASPARAGUS SPRENGERI, per 100—2-in., $3; 3-in., $8; 4-in., $12; 5-in., $15.
ARAUCARIA EXCELSA, 4-in., $6 per doz.
FERNS FOR DISHES, Etc., $3 per 100.
FERN BALLS, well furnished with leaves, $3 to $5 per doz.

The GEO. WITTBOLD CO.

1657 Buckingham Pl., Chicago.

Rubber Plants

Strong young plants from 3-inch, $1.50 per doz; $12.50 per 100.
Strong, branched, 5 in., $3.00 per doz.
HYDRANGEA OTAKSA, large 4-inch pots, $5.00 per 100.
All of the above are No. 1 stock and just right to sell or shift and will be worth 3 times the money.

CINCINNATI FLORAL CO.

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Boston Ferns.

Fine plants, $25 per 100.

DRACÆNA INDIVISA, 6-inch, $6.00; 7-inch, $7.00 per doz; 2 ft. up, extra fine.
KENTIAS, 6-in., $75 and $100 per 100.
20,000 GERANIUMS, 3½ and 4-in., in bud and bloom, $7 per 100, upwards. Nutt, Jaulin, Poitevine, Mt. Snow, La Favorite, etc., etc., and new ones—Jean Viaud, Jacquerie, Thos. Meehan, etc., etc., straight kinds.
COLEUS, Verschaffeltii, Golden Bedder and mixed, 2-in., at $30 per 1000; 3-in., $40.
Alternanthera, 3 kinds, $15 per 1000.

L. H. Foster, 45 King St., Dorchester, Mass.

Please mention the American Florist when writing.

San Francisco.

TRADE CONTINUES VERY GOOD.—STOCK SCARCE AND PRICES HIGH.—SCHOOL EXERCISES CREATE STRONG DEMAND.—JOTTINGS OF THE TRADE.

Business since Memorial day has been very active and good carnations scarce. Prices have been keeping the same pace and only very poor stock of carnations can be had below the 2 cents each mark and 35 cents and 50 cents per dozen for fancies. Roses are about the same, scarce, high in price and very much sought for. Lilies have jumped up to $4 per dozen stalks and sweet peas bring 75 cents per dozen bunches; other stock in proportion. Considerable fine funeral work has been going of late and now the closing of schools with accompanying balls and dinners is causing a brisk demand for cut flowers and greens.

F. A. Miller, of 1550 Market street, who keeps the only store on that large thoroughfare, has returned from two weeks' vacation at Tocoloma, where he spent his time catching trout, baking and eating same. He is full of fish stories and good spirits and only wishes he could have enjoyed it longer.

M. Lynch, of Menlo Park, has started to dry his roses, Brides and Bridesmaids. His outside chrysanthemums are now all planted and look fairly well. Some 25,000 are grown here outside. His carnations are also looking well but somewhat off crop.

Mr. Podesta, Sr., of the firm of Podesta, Baldachini & Podesta, has sold his share to the two younger members of the firm Baldachini & Podesta, who will continue to do business at the same stand.

Fred. Cleis, our Valencia street artist and decorator, has also returned from a two weeks' vacation at the Byron Springs, where he found relief from his old malady, rheumatism.

P. W. Grallert is at present bringing in some fine Minnie Cook carnations and coreopsis and gaillardias by the thousand bunches. He says there is lots of money in that kind of stock. GOLDEN GATE.

PEKIN, ILL.—It will be just nineteen years in July since such a cyclone as that of June 10 struck this place. Geo. A. Kuhl had a brick stack sixty feet high blown down and the end of one of the houses was blown out. Trees blown down and uprooted by the hundred; 200 panes of glass broken; greenhouse stock not damaged.

KIFT'S Patent ADJUSTABLE VASE HOLDER

No. 1.—Brass, nickel, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) $2.25. Price complete (with green or white cornucopia vases) $2.50. No. 2.—Heavy 4 ft. rod, brassed and nickeled, with three clasps for 5 to 6-inch pots, each $1.75.

KIFT'S PATENT Rubber Capped FLOWER TUBES, 1½-inch diameter, per 100, $3.50.

JOSEPH KIFT & SON, 1725 Chestnut St., Phila., Pa.

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EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS

WRITE FOR ILLUSTRATED CATALOGUE

QUAKER CITY MACHINE WORKS RICHMOND, IND.

Now Come June Weddings and School Commencements. Are you prepared for same? Look over your stock, and send us your orders. We can promptly fill them from our LARGE STOCK OF UP-TO-DATE SUPPLIES. We give exceptionally good value in all lines. Catalogue for the asking.

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OUR NEW FOLDING

Cut Flower Box

IS A PERFECT GEM. SEND FOR SAMPLE.

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"Fumigation Methods"

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Every Grower needs this book..... Price $1.00

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324 Dearborn Street, ...CHICAGO.

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KEEP STOCK FREE FROM RED SPIDER, APHIS, And all other Insects with SULPHO-TOBACCO SOAP. (PATENTED.)

Cheap, Effective and Non-Injurious.

Satisfactory results guaranteed. Sold by Seedsmen. Sample cake, making 1 1-2 gallons easily prepared solution, mailed for 10 cents. Full particulars and special offer free.

LARKIN SOAP CO., Buffalo, N. Y.

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Fresh Tobacco Stems.

Bales of 300 pounds, $1.50.

CASH WITH ORDER.

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School children by tens of thousands will graduate in June and every one will want a

COMMENCEMENT BASKET

We have them to suit all tastes and all pockets; new styles and fancy material. Put a collection of them on view and they will sell themselves. There are sure to be some

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and Low Prices of outfit to complete a Wedding Decoration in Modern Style.
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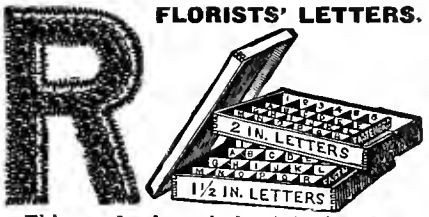
MANUFACTURERS OF **FLORISTS' LETTERS.**



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BUG KILLER and FERTILIZER. Three years of unprecedented success wherever introduced all over the United States has proved "BLACK DEATH" to be a cheap and absolute annihilator of all insects, bugs or beetles that prey on vegetation, foliage and flowers. See what Peter Reinberg said in this paper, Feb. 8. Other strong indorsements sent on receipt of postal card.

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Dry powders all soluble in water. Composts cost less than ½c per gal. Correspondence invited.

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DON'T USE OLD STORE BOXES.

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Size No. 1.	3x4½x16.	$1.75 per 100;	$15.00	per 1000
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" No. 3.	4x8x18....	2.40 "	22.00	"
" No. 4.	3x6x20....	2.75 "	25.00	"
" No. 5.	4x8x22....	3.00 "	28.00	"
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PLENTY OF GOOD STOCK AT LOW RATES. —FINE HARDY FERNS FROM NEW HAMPSHIRE.—GOOD WINDOW DISPLAYS.

At the present time business continues to hold up in good shape, with plenty of good stock that can be bought for almost any old price. With commencements and June weddings, of which latter there are a good many, although none very large, everyone is kept hustling. Just at present the supply of flowers is far greater than the demand. The way that Joost carnations are coming in just now is enough to jar one; there seems to be no end to them, and the price realized is not very much, selling as low as 50 cents per 100; in fact, the supply of colored carnations is more than abundant, while white varieties seem to be in more limited quantity. With the intense hot weather we are having just now Bride and Bridesmaid roses are getting very small and in some cases mildewed, although fairly good in length of stems. They don't bring much, however, selling as low as 50 cents per 100. Kaiserins and Carnots of excellent quality are now coming in, especially the latter. Some of the Carnot buds are as large as hens' eggs and sell well at $1 50 to $2 per dozen. Lily of the valley from outside is almost all gone. Pæonias are now arriving in large quantities and bring $6 per 100.

At last we have no longer to depend on the south for our supply of hardy ferns, which have been so unsatisfactory this year, a great many heating and spoiling in transit. Some very fine ferns are being shipped from New Hampshire.

With so many schools coming to a close at almost the same time last week the demand for flowers of good quality was heavy, particularly at Rogers Hall school, where a great many bunches of good flowers were called for.

Since the supply is greater than the output, some very fine window displays are to be seen. Patten's window last Saturday filled with Joost carnations and Asparagus Sprengeri, looked very pretty. A. M.

DUBUQUE, IA.—W. A. Harkett says he has little to report in regard to Decoration week, further than to say it was a little the busiest he ever had and thinks all good cut flower stock in the city sold, with prices the same as last year.

CYPRESS

Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

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Please mention the American Florist when writing.

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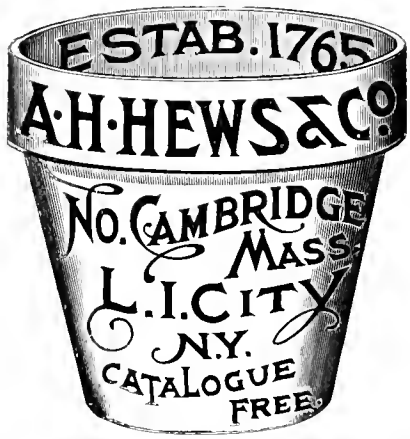
Traveling Representative, U. CUTLER RYERSON, 108 Third Ave., NEWARK, N. J.



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Pots	Price per crate		Pots	Price per crate	
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1500	2¼ "	5.25	60	8 "	3.00
1500	2½ "	6.00	48	9 "	3.80
1000	3 "	5.00	48	10 "	4.80
800	3½ "	5.80	24	11 "	3 60
500	4 "	4.50	24	12 "	4.80
320	5 "	4 51	12	14 "	4.80
144	6 "	3.16	6	16 "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers. Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.

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Minneapolis.

STOCK NOT OVER-ABUNDANT FOR A MODERATE BUSINESS.—PÆONIAS VERY PLENTIFUL AND CHEAP.—VARIOUS LOCAL NOTES.

The last seven days have witnessed something of a shortage in roses and carnations, especially with Meteor. The demand has been good and dark weather held stock back. Teas are bringing from $2 to $6 per hundred and carnations from $1.50 to $2. There is a great supply of pæonias in the market and they have been sold as low as 20 cents per dozen, but good stock is bringing from 50 cents to $1 retail and $2 to $3 per hundred wholesale.

Considering the season of the year and with the stock left for decorative purposes, there are still some fine window displays.

Donaldson & Company report an exceedingly heavy funeral trade last week.

The Elks fair, which is now on, is causing quite a demand for flowers.

C. F. R.

New Orleans.

LITTLE DOING AND SOCIETY MEETS FOR PLEASURE.—OUTING IN THE GULF.—CHRYSANTHEMUMS PLANTED.—NOTES.

Business has been very dull for the last few weeks. Plant sales have been dropping considerably and we are now experiencing hot dry weather which will make things dull for some time to come.

Our regular or special society meetings have been held lately more for pleasure than for business, the only important discussion being about our annual picnic, which will take place at Grand Isle as several times before. It will be nothing new for us, but considering the time and means at our disposal it is the best trip we can take for the occasion.

Chrysanthemums have been planted in good quality. H. Papworth has two houses full. Should his trial be successful and the season be as favorable as last year, we will have a good supply of our home production.

M. M. L.

MADISON, N. J.—A schedule of prizes has just been issued for the seventh annual flower show of the Morris County Gardeners' and Florists' Society to be held in the Assembly rooms here November 6 and 7.

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One machine will open this ventilator on houses up to 1000 feet long. Send for circular.
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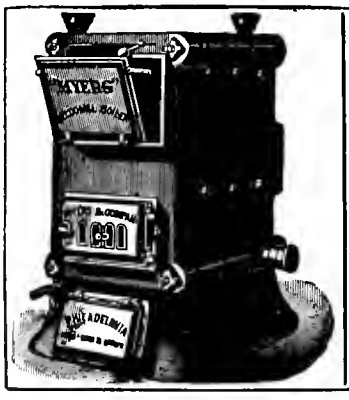

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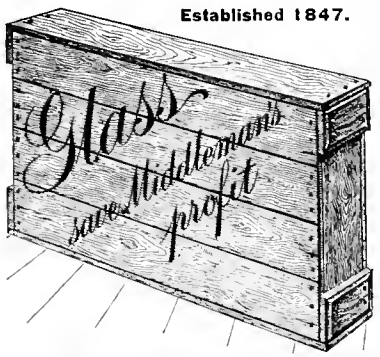

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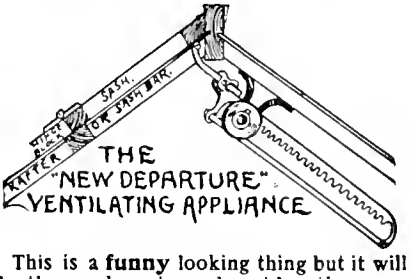

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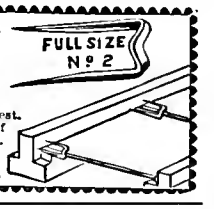
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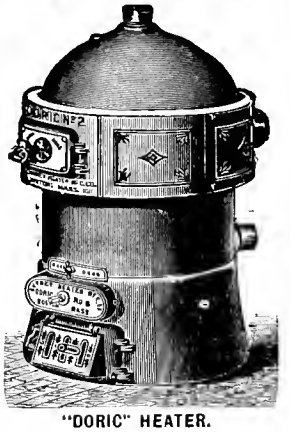
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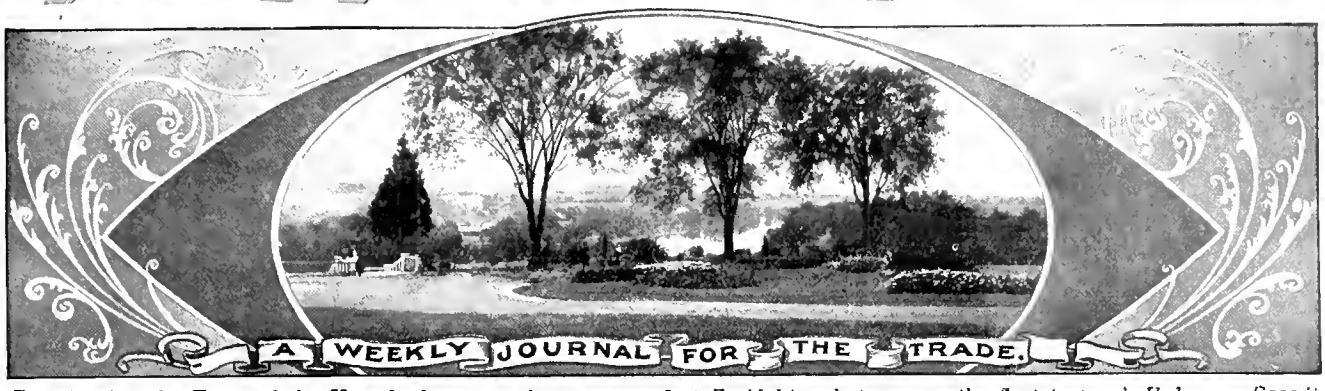

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

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THE AMERICAN FLORIST

SEVENTEENTH YEAR.

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AMERICAN ROSE SOCIETY.

Annual meeting at call of executive committee, LEONARD BARRON, 136 Liberty St., New York, secretary.

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Care of the Rose Garden.

[A paper by J. F. Huss, gardener to Jas. J. Goodwin, read before a recent meeting of the Florists' Club, of Hartford, Conn.]

To meet with success, where a permanent bed of roses is to be planted, the soil should be dug out from two to three feet in depth and should the soil prove good and wholesome, should be well mixed up with rich, rotted cow manure. The bed should be filled up with this well prepared soil. Should the soil be gravel, sandy or stony, all should be removed and my method is to fill such a bed with well prepared soil from top sod and well rotted cow manure, which should have laid on a stack for six months or a year, well cut up and mixed before filling the bed.

Planting should be done in the fall, if possible, say October or November, before frost. I find budded or grafted plants are the best. The plants should be set about two feet apart each way. The grafts should be planted two or three inches below the surface and the earth pressed gently around, which serves to protect the grafts. Planted in this manner there is much less liability of suckers being put forth from the stock, and opportunity is afforded for the plant to put forth roots from the bud or graft. This often takes place so that ultimately the plant is virtually on its own roots. I would also especially recommend, as all French rosarians do, that the roots be not cut or pruned at all. After the first frost, the plants should, in our northern latitude, where the mercury goes down to zero, be protected with a good cover of leaves, say at least six inches deep, and covered with long manure or a few pine branches to hold the leaves in place.

As soon as spring is opening, by the end of March or beginning of April, the protection should be removed, before the buds or eyes begin to swell, so that no injuries will occur. The pruning should then take place. I believe in pruning severely and keep the plants always low, from six to ten inches from the ground, and renewing every year the pruning. By keeping the plants always low we attain a good, strong, long stem and fine flower. After the pruning the soil should be dug up and loosened all about the plants. During the first week in June, when the sun is becoming warmer and the ground begins to dry, I have the rose beds mulched two inches deep with short manure. This is to prevent the soil from drying off and also to keep the roots cool and moist. This mulch will also serve to keep weeds down.

I believe in giving the roses a drenching after sundown during growth and the hot days. During the flowering season the flowers that are fading from day to day should be removed every morning, so as to give the rose garden a clean appearance. As soon as the blooms have passed I prune my plants about half way on the new growth The plants will, in this handling, invariably give another flower crop. Some varieties will give flowers all the season long.

Among these hybrid perpetual roses I find Alfred Colomb, Ulrich Brunner, Jules Margottin, Prince Arthur, Paul Neyron, Mrs. John Laing and many others. Hybrid teas are treated the same way and will give blooms from June till the frost cuts them down. Among these I would recommend the following varieties, which will give the best of satisfaction:

HARDY ROSES.

Alfred Colomb	Gloire de Margottin
Anne de Diesbach	Gloire Bourg-la-Reine
Baroness Rothschild	Grant of Battles
Captain Christy	George Washington
Captain Hayward	Prince Camille de Rohan
Comtesse de Serenye	John Hopper
Duke of Edinburgh	Paul Neyron
Duke of Teck	Prince Arthur
Fisher Holmes	Magna Charta
General Jacqueminot	Mme. Gabriel Luizet
Mrs John Laing	Ulrich Brunner
Marie Baumann	Baron de Bonstetten
Margaret Dickson	Marshall P. Wilder.

HYBRID TEA

La France	Clothilde Soupert
Souvenir de Malmaison	Maman Cochet
Kaiserin Aug. Victoria	Duchess de Brabant
Souv. du Pres. Carnot	Marie Van Boutte
Mlle. Francois Kruger	Souvenir de Wootton
Hermosa	Queen's Scarlet.

Roses In a Connecticut Park.

The hardy roses at Elizabeth Park, Hartford, Conn., have been at the height of their beauty during the past week and the magnificent display to be seen there is undoubtedly one of the finest in the country. The collection consists of about 1,300 plants and embraces over sixty varieties of hybrid remontants, a number of climbers and a few teas. All of the older, standard kinds, such as Gen. Jacqueminot, Monsieur Boncenne, Jean Liabaud, Baroness Rothschild, Countess of Oxford, Gloire Lyonnaise, and so forth, are there, likewise the newer ones, such as Margaret Dickson, Marchioness of Londonderry, Clio, Mrs. R. G. Sharman Crawford and others.

Clio is white, slightly tinged with yellowish pink, and has proven very satisfactory, its one drawback, if such it is, being its habit of producing such a quantity of buds on the end of each flowering shoot, as many as nineteen having been

counted in one cluster. It is quite different in this respect from Marchioness of Londonderry, which almost invariably has only one bud on a flowering shoot. However, this habit results in the plant bearing an enormous quantity of flowers. Mrs. Sharman Crawford is a fine pink, and is a valuable addition to the list of hardy roses.

Most of the hybrid remontants are worked plants, principally on Manetti, and are planted deeply, about two and one-half feet apart. These beds were carefully prepared by excavating to the depth of two feet and filling in with a good, heavy loam, which was afterwards enriched by a liberal application of manure and fertilizers. The beds are located in a spot which was originally quite wet, but which is now tile drained. In this way the ideal moisture conditions of the ground, conducive to the welfare of roses, are obtained.

In the spring the plants are cut down to about four inches from the ground, and all weak wood is removed entirely. This severe pruning keeps the plants low, the flowers being produced at a height of not more than two and one half feet, with the coloring, size and form brought out in superb perfection. The stems are firm and long and clothed with the richest and most luxuriant foliage. The color effect of the garden is delightful. After flowering the plants are again severely pruned, with the result that quite a good second crop of flowers is produced. In the fall soil is drawn around the stems of each plant, and the ground heavily mulched with manure.

Of the climbing and other roses now in full bloom there are the Dawson, Pink Rambler, Yellow Rambler, Russell's Cottage, Pink Roamer, and some of the hybrid sweetbriars. Manda's Triumph and South Orange Perfection are just coming in, while Crimson Rambler is beginning to show color, and Rosa setigera, one of the last of the glorious pageant, gives no hint as to the character of its bloom, except that the buds are visible in great abundance. All of the above are perfectly hardy at Elizabeth Park, with the exception of the Yellow Rambler, which is rather tender. This is a great pity, as it certainly is a fine rose. Nevertheless, enough of it survived on the trellis to give an idea of its beauty.

It is really remarkable that the so-called climbing roses are so seldom used as shrubs free from any support. A few plants of Pink Roamer at Elizabeth Park which have been left to grow as they will are now great, drooping but tall masses, studded with thousands of the beautiful single flowers of this rose. Such a sight conjures up visions of the marvelous effects to be obtained by the judicious grouping of this class of roses, not as climbers, but as shrubs, in connection with other shrubs. A large planting of this kind has been made this spring at Elizabeth Park which in two years from now will be a gorgeous sight and an object lesson as to what can be done in this line.

The following is a list of the varieties at present in the garden, supplied by Mr. Karlstrom, the city forester:

Ulrich Brunner	Gloire of Cheshunt
Doctor Andry	Jules Margottin
Victor Verdier	Baron de Bonstetten
Miss Annie Wood	Duke of Teck
Abel Carriere	Maurice Vilmorin
Gloire de Margottin	Mme. Gabriel Luizet
Etienne Levet	Duke of Connaught
Maurice Bernardine	Capt. Haywnrd
Fisher Holmes	Mrs. John Laing
La France	Magna Charta
General Jacqueminot	Clothilde Soupert
Anna de Diesbach	Francois Levet
John Hopper	Margaret Dickson
Hippolyte Jamain	Marie Baumann
Mlle. Marie Rady	Lady Helen Stewart
Marchioness of Dufferin	M. P. Wilder
Duke of Edinburgh	Prince Camille de Rohan
Alfred Colomb	Heinrich Schultheis
Gloire de Lyonnaise	Pierre Notting
Chas. Lefebvre	Paul Neyron
Senator Vaisse	Gloire de Dijon
Kaiserin A. Victoria	Baroness Rothschild
March. of Londonderry	Jean Liabaud
Bon Silene	Monsieur Boncenne
Gen. Washington	Clio
Mrs. Sharman Crawford	Earl of Dufferin
Countess of Oxford	Captain Christy
Caroline Testout	Mabel Morrison
Helen Keller	La Reine
Marchioness of Lorne	Marguerite de St. Amand
Oakmont	La Rosiere
Francois Michelon	Baroness Rothschild
Blanche Moreau	White Bath
White La France	American Beauty
Liberty	Ivory
Soleil d' Or	Mrs. Hovey
Baltimore Belle	Universal Favorite
Hybrid Sweet Briar	Russell's Cottage
Pink Rambler	Yellow Rambler
Crimson Rambler	Rosa setigera
Manda's Triumph	Pink Roamer
Dawson Rose	Queen of the Prairie

H. J. KOEHLER.

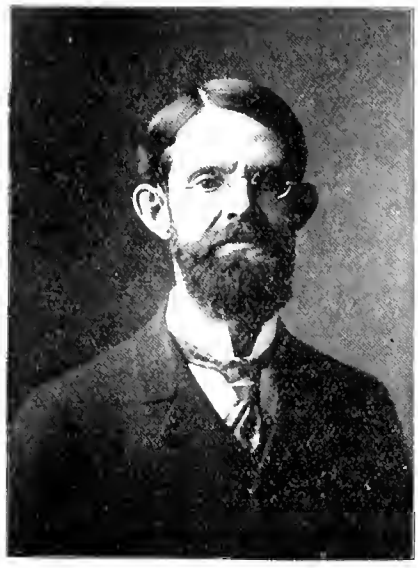
RIVERSIDE PARK, MINNEAPOLIS.

Parks of the Twin Cities.

When the seedmen and their friends get together at the Twin Cities next week they will find much of horticultural interest close at hand. Minneapolis and St. Paul have two of the finest park systems in the country and numerous private estates well worth inspection. The total acreage under the control of the Minneapolis park board is 1,553 and it had cost to December 31, 1901, a total of $3,641,623, the expenditure for 1901 being $201,103. Como Park is the pride of St. Paul, the park system in that city being now undergoing rapid development, the expenditure for maintenance

A MID-SUMMER VIEW IN VAN CLEVE PARK, MINNEAPOLIS.

WILLIAM BULL.



EMMETT S. GOFF.

ANDREW M'CONNELL.

THREE PROMINENT MEN WHO DIED RECENTLY--SEE PAGE 788.

and improvements in 1901 being $64,896. Both park systems make large use of greenhouse material and some of the picturesque views with which they abound are shown in the accompanying illustrations.

In addition to the public grounds, St. Paul has one of the finest private places in the northwest, that of James J. Hill, recently illustrated and described in these columns, and those who have an interest in orchid culture, and their number is constantly increasing, will find one of the largest collections in America in the range of houses of Dr. R. Schiffmann, St. Paul, whose place is shown and whose work is described in this issue.

The Greatest of British Exhibitions.

It is hardly necessary to say that the Temple Show attracted horticulturists to London from all parts of the kingdom, and the number of continental visitors was greater than usual. The King and Queen visited the exhibition on the first day and walked about and chatted with the officers in attendance in a most unconventional manner. They appeared particularly interested in the orchids, roses, carnations and the quaint Japanese dwarfed trees which were shown by Barr & Sons and several others.

Turner's Crimsom Rambler roses were the finest I have seen. Cuthbert's hardy azaleas were also a feature. The trusses of bloom were very large but there was an entire absence of foliage. This is a cultural detail worth noting, for it is evident that by taking off the young shoots the flowers attain greater size.

Some marvelous new orchids were seen, of the odontoglossum, lælio-cattleya and phalænopsis sections. The principal trade exhibitors were Sander & Company, Hugh Low & Company, Cowan & Company, Charlesworth & Company and J. Cypher. There were also several continental exhibitors, including Linden, of Brussels, whose exhibit was remarkable for the fine spotted forms of Odontoglossum crispum. M. Jules Hye de Crom's exhibit included O. Wilckeanum imperatorium, which gained a first-class certificate.

Cutbush & Son's group, which consisted chiefly of carnations, was a great attraction, all the best Malmaison and border varieties being represented. Calla Elliottiana was also shown and a very distinct strain of dwarf tuberous begonias, which seem likely to be valuable for bedding. There were eleven different shades of color, Little Pet, with the colors added, being the distinctive name.

Tuberous begonias of the larger-flowered varieties showed a further advance in form and size of flowers, many of the doubles being especially fine. The principal exhibitors were T. S. Ware, R. R. Davis & Son, Cannell & Sons, H. J. Jones and J. R. Box.

Cannell & Sons' group of cannas was the finest that has ever been seen at this season of the year. Hugh Low & Company's carnations were very fine, chiefly Malmaison varieties. Mr. Hudson, Leopold de Rothschild's gardener, also staged a fine group of these.

Grand groups of roses came from G. Paul & Son and W. Paul & Son, fine bush plants and tall standards, showing remarkable cultural skill. Of newer varieties Lady Battersea gives promise of being valuable. B. Cant & Son also had a fine group of roses, the tall standards among the dwarfer plants producing a fine effect.

Veitch & Sons' streptocarpi showed still further improvement, dwarf and compact in habit with plenty of bloom of large size and distinct colors. Phyllocacti were also well shown, the colors being remarkably vivid. Their large group of stove plants contained a great variety of valuable material, the nepenthes, caladiums, alocasias, dracænas and others making a most imposing group. They also had a finely arranged group of greenhouse and hardy flowering plants.

Waterer & Sons' rhododendrons were very fine, Pink Pearl being conspicuous. Fisher, Son & Sibray also had a fine group, including some distinct varieties of which Countess Fitzwilliam, Mrs. J. Clutton and Kate Waterer were worthy of special note. This firm also secured the Sherwood cup for a really grand display of hardy foliage and flowering plants, the Japanese maples being very conspicuous. Lilac Mme. Lemoine was grandly flowered. Cytisus Handsworthensis and Pyrus Aria were especially good.

T. Cripps & Sons and Messrs. Russell also had fine groups in the open, the acers being a feature. Dimorphanthus Mandshuricus fol. Argenteus marginata (a beautiful name) is good for sub-tropical gardens.

Clipped trees in various shapes were shown by Cutbush & Sons. Balchin & Sons had a fine group of hard-wooded plants, Leschenaultia biloba major being particularly worthy of note. Carter & Company occupied the whole of the center of one tent with groups of Cineraria cruenta, calceolarias, petunias and many other things. The Misses Hopkins attracted much attention with rock plants These enterprising ladies seemed to be doing a good trade.

A. J. A. Bruce had a splendid collection of sarracenias. Capt. G. L. Holford's group of amaryllises showed great cultural skill. Ferns were not quite so numerous as usual but J. Hill & Sons made a grand display, the platyceriums on cork being most conspicuous. L. J. Cling also staged an interesting group, Backhouse & Sons had a good collection of filmy ferns and H. B. May showed a fine Polypodium Mayii.

Clematises were well shown by Jackman & Sons. Among the novelties, Marcel Moser was fine, also some of the hybrids of C. calycina. Those from R. Smith & Company were also good.

Caladiums were well represented by J. Peed & Son's exhibit, and from Sander & Company came some distinct novelties. J. J. Upton showed gloxinias which had travelled from Manchester, but not a single flower had been damaged.

Schizanthus Wisetonensis was shown by H. Low & Company, also by Veitch & Sons. A grand lot of specimens of Pelargonium capitatum and other scented varieties came from Leopold de Rothschild.

Cut tulips were a strong attraction. There is a great revival in the interest taken in the Darwins, Parrots and old English garden tulips. The "St. Brigid" anemones from Reamsbottom & Company, of Ireland, attracted a deal of comment. These are sometimes called poppy anemones, and are hybrids between A. coronaria and A. hortensis, both of which were introduced over 300 years ago, but it is only recently we have had

these beautiful varieties in such perfection.

There was a beautiful display of cut roses by George Mount, many of them being cut with long stems. Frank Cant also had a fine collection, the new tea, Lady Roberts, which I referred to in previous notes, being very fine. H.

Orchids From the Philippines.

Dr. Rudolph Schiffmann, of St. Paul, is an enthusiast in orchid growing and has probably the largest collection of plants in the northwest, as well as one of the largest collections in the country, largest both in point of number of plants and varieties. The Doctor began his collection about ten years ago and has steadily added to it, both by purchase from American and European collectors and by orchid hunting trips to Mexico and Central and South America. He but recently returned from his most ambitious trip, to the Philippines, bringing the largest importation of phalænopsis ever brought to this country.

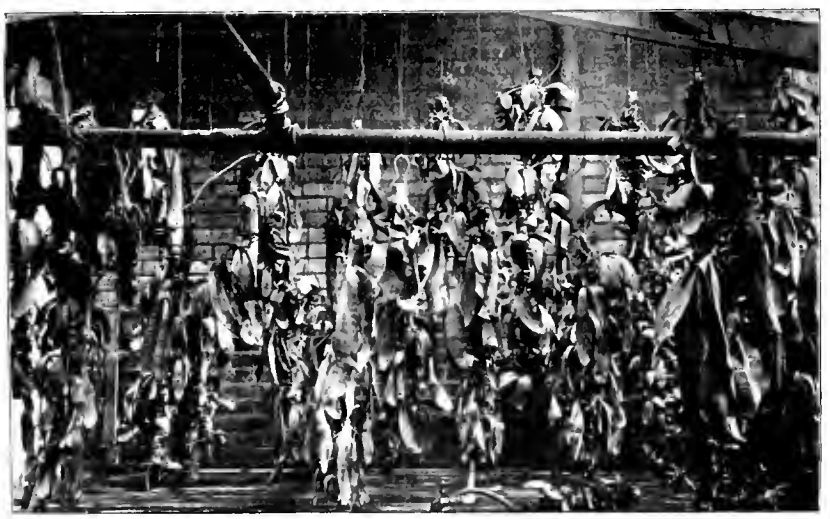
Among the thousands of plants now under cultivation Dr. Schiffmann has about 200 from the famous collection of the late Erastus Corning, of Albany. There are four houses, heated by hot water and heavily stocked. The cattleya house is 18x70 and also shelters the lælias, many of them grand specimens, also the ærides, burlingtonias, miltonias, dendrobiums and cypripediums. In the intermediate house, a lean-to 8x20 facing south, are the Mexican lælias, odontoglossums, lycastes and oncidiums.

The East Indian house is an even-span building 16x20 and in it is a splendid collection of phalænopsis in many rare varieties, saccolabiums, vandas, the heat-loving varieties of dendrobium, Cattleya Dowiana, C. chrysotoxa, C. speciosissima, C. superba, C. Schilleriana, Miltonia Rœzlii in quantity and a choice lot of ornamental foliage plants. The odontoglossum house, a lean-to 8x20, contains over 500 specimens, principally of the Odontoglossum crispum section, also some fine sobralias in variety. The climate of Minnesota, especially the cool nights in summer, seems particularly well adapted to the requirements of odontoglossums, as shown by their robust growth, healthy foliage and fine flower spikes.

With regard to the recent great importation of phalænopsis the Doctor says: "The plants were secured a year ago by my collectors and were established on blocks of wood of a uniform length, about fifty plants on each. In preparation for shipment the blocks were fixed securely to the inside of the cases and as many rows along the center as could be attached without endangering the foliage. Oblong holes were sawed through the sides and ends of the cases and these openings covered with wire cloth to protect the plants from the ravages of roaches and other insects which infest all steamers of the Orient.

"The plants were in transit thirty-two days between the Philippines and St. Paul and arrived in fine condition. Had I not accompanied them and looked after their welfare every day, giving light and air on all favorable occasions, the result would have been different. As it is, the loss will not exceed ten per cent. As an experiment a portion of the plants were securely packed in dry excelsior, with holes for air, but the cases were not opened during the passage, and these did not arrive in as good condition as those which were placed upright in cases and given occasional light and air.

"I am convinced that the reason it has been so difficult heretofore to import phalænopsis in good condition is that they had not been properly prepared for the voyage and because of the careless manner in which they are handled on ship board. It was with the greatest difficulty that the stevedores could be made to understand that the rope handles at the ends of each case were for use and not for ornament. Unless you stand by and watch each case as it is brought aboard they will be treated as though they were bales of hemp, shaking the plants loose in the cases and bruising the leaves, with consequent loss of foliage which means weeks of subsequent careful nursing.



PORTION OF DR. SCHIFFMANN'S IMPORTATION OF PHALÆNOPSIS FROM PHILIPPINES.

"Phalænopsis amabilis and P. Schilleriana are found principally on the Island of Luzon. I am told the latter is found on none of the other islands. The plants are found growing on trees and rocks near the lagoons. P. Stuartiana is found in Mindanao. While plants are said to be plentiful in the islands, yet on account of the present disturbed condition of affairs, which is likely to last for some time, coupled with the hazard of transportation and last, but not least, the absurdity of charging duty on these plants although derived from our own colony, prices are likely to be maintained for a long while to come. Steamers will receive plants only at owner's risk and refuse to assume any responsibility whatever. Besides, owing to the prevalence of cholera in the Philippines at the present time, a clean bill of health must be secured from the U. S. Marine Hospital service, or the plants are liable to be denied a landing when reaching our shores.

"Let me suggest that the Society of American Florists take up this matter of duty imposed upon plants from our new colonies at the next meeting and petition congress for a repeal. The Philippines offer a great field for exploration for floral treasures, but under present conditions England and other countries derive the benefit, which should first accrue to Americans.

"The plants I brought with me consist of Phalænopsis amabilis, P. Schilleriana, P. intermedia, P. Luddemanniana, P. leucorrhoda, P. Sanderiana and P. Stuartiana; Vanda Boxalli, V. lamellata and V. Sanderiana; Saccolabium guttatum and S. violaceum; dendrobiums in variety; Cypripedium Argus, C. Haynaldianum and Renanthera Storiei. I shall make the experiment of growing phalænopsis flowers for the market and expect to return to the Philippines next year for a still larger lot of plants, which are now being secured by my collectors." William Whatton is the gardener in charge.

ROSES.

BENCHING THE YOUNG STOCK.

All those rose growers who have not planted their young stock in the benches should lose no time in doing so. The hot weather is upon us and you will find it almost impossible to keep the plants in pots in a growing condition; they dry out so quickly that it is necessary to water at least twice a day and on account of this treatment they are soon in need of nourishment, as this frequent watering has washed all of the nutriment out of the soil.

Of course, while the planting is being done, you will be very anxious to use all your men, but do not trust this work to any but those whom you know to be competent. If you have grafted stock you will find that a careless man will either break them off or he will not plant them deep enough. In planting grafted stock sink the ball into the soil far enough to allow the union to be completely covered. By so doing you obviate the danger of breaking and it also keeps the union strong.

I think it is a good plan to place the stakes at once and if you are too badly rushed with work, make only one tie to a plant, so as to hold them in place when syringing, but as soon as possible they should all be tied, being careful to tie each branch separately and not in bunches.

After the young stock is planted and has started to grow you will find that mildew is not quite as liable to bother you as when the plants were in pots. If you see that it is appearing, the sulphur machine should be put in action. Always take advantage of a rainy day and start the fires. By doing this you will do more towards checking mildew than is possible in any other way.

Attend carefully to the disbudding and watch for the Manetti shoots to appear. These should be cut out at once, as they

CATTLEYA HOUSE OF DR. RUDOLPH SCHIFFMANN, ST. PAUL, MINN.

draw very heavily on the plants. The black spot is not liable to bother you much on Brides or Bridesmaids but many of the other sorts are very susceptible to it, such as Liberty and Beauty. As fast as this appears it should be picked off, and care should be taken not to let water remain on the foliage over night.

The houses should be gone through at least twice a week after planting to attend to the Manetti shoots and the disbudding. Do not let them flower until you have large, strong plants, as the early flowers will not pay as well as a good crop for Christmas. R. I.

Tarrytown, N. Y.

The annual rose exhibition of the Tarrytown Horticultural Society at the Academy last Monday evening brought out some brilliant and creditable displays. D. McFarlane, gardener to H Walter Webb, was the largest exhibitor of outdoor roses, staging ninety varieties in splendid form. The F. R. Pierson Company led in the climbing rose section. There were a number of other exhibitors, but Mr. McFarlane was first in all the remaining classes, and his set of twelve Margaret Dickson could not be excelled. L. A. Martin was first with a collection of fifty varieties of flowering shrubs. In this class Thos. Cockburn also made a good record. Nothing more attractive was staged than Mr. Scott's display of hardy herbaceous flowers. Strawberries from a number of contributors were splendid. The show was free to all visitors.

Chicago.

WEEK OF LARGE SUPPLIES OF POOR MATERIAL AND BRISK DEMAND FOR GOOD STOCK —ROSES AND CARNATIONS BOTH SHOW DETERIORATION.—SPLENDID PÆONIAS FROM COLD STORAGE.—LARGE SALES LIKELY TO EXHAUST SUPPLY EARLY.—SUMMER LILIES COMING IN.—MANY WEDDINGS.—MANY LOCAL DOINGS.—PERSONAL AND TRADE JOTTINGS.

Midway in June there is usually a first-class market for good stock, and such has been the case this year, with the one unfortunate circumstance that there has been no really good stock with which to meet the demand, that is, as to roses. There has been a big call for Beauties with few to be had, these small and many of them cripples. Brides have been in active demand for wedding work and Bridesmaids, too, but there are few to be had up to shipping grade even by sorting the thousands which the growers are still sending in. The graded material has only brought moderate prices because of quality and the culled stock has to be jobbed off at very low rates. There are practically no Perles and the summer rose cut is not yet large. The supply of carnations still continues above the legitimate requirements, although the cut is not quite so heavy as a few weeks ago, and quality shows a marked deterioration. There are now few really first-class carnations and the big houses have receded from their determination to keep the market up to 10 cents a bunch. At that price a large proportion of the receipts went to waste and now clean-up sales are made at almost any figure the buyer may offer. The pæonia is really queen of the market at present, although the only stock available is from cold storage. The most active call is for pæonias and there was never better stock than that now at hand, so that at from 75 cents to $1 a dozen these flowers offer considerably the best value for the money of anything in market. It is nothing for the big retailers, both local and in other cities, to each use from twenty-five to fifty dozen a day and at this rate the supply is likely to run out any day. There are quantities of gladioli arriving now, also large numbers of longiflorum lilies, a few speciosum and auratum lilies and water lilies. These last do not seem to sell as well as usual. Sweet peas are doing pretty well by reason of the numerous weddings and smilax is going to meet the same demand.

John Mangel started June 15 on a trip to his old home in Greece, also to Turkey and the south of Europe. He said he might be gone six months or a year, but his friends do not think he could deprive himself of the opportunity to admire his own handsome store front for that length of time.

We are informed that the item in this column, issue of June 14, with reference to A. F. Longren, was incorrect, as he was simply in the employ of Michel Schawel, who has the contracts for glazing work with Poehlmann Brothers, John Brod, Peter Reinberg and the George Witthold Company.

E. C. Amling says that although the school board may have shut off the use of flowers at the high school graduation exercises, thousands of bouquets find their way to the closing exercises of the grammar schools. The small retailers near the schools did a big business this week.

The big growers are getting pretty well along with the work of benching young rose stock. It is a tremendous task where there are scores of houses to plant but now there will be a breathing spell until the equally large job of moving the carnations presents itself.

Kennicotts report their pæonia supply dwindling at a great rate, but the commencements are well over and E. E. Pieser says the supply is likely to last pretty nearly as long as the demand, for the wholesalers are all expecting rather quiet times after the first of July.

Fleischman had the order for the Mandel-Mandelbaum wedding June 18, one of the largest of the season. Pæonias were the principal flower and 500 strings of smilax went into the decoration.

The Morton Floral Company, 753 Forty-seventh street, occupies a one-story store and is building a large greenhouse on the roof, which will be a considerable addition to their facilities.

The roses at the south side parks have

CORNER IN THE ODONTOGLOSSUM HOUSE OF DR. R. SCHIFFMANN, ST. PAUL, MINN.

been a great attraction in the last couple of weeks. The show has been even finer than usual but the many heavy rains did some damage to the flowers.

Bassett & Washburn had twenty-six men at work cultivating their field of carnations this week. The stock shows up nicely considering the very heavy rains.

McKellar & Winterson report the sales of baskets for commencement exercises to have been rather ahead of any previous year, but most of them went outside the city.

John Huebner, with the Central Floral Company, has the sympathy of many friends in the loss of his father, who died Thursday. Funeral June 22.

Jacob Wiesenthal, president of the Invalid Appliance Company, took unto himself a wife and went to Omaha on a wedding trip June 10.

George Reinberg has about finished his new range of houses and has things in good shape for a nice summer rose cut.

There is already talk of early closing and beginning July 1 most of the houses, if not all, will lock the door at 5:30.

Frank Garland is at work rebuilding one house and may conclude to add one or two new ones a little later.

J. J. McGill, of W. W. Barnard & Company, has been at his old home in Iowa this week, on vacation.

The Poehlmann Brothers Company is pushing along the work of glazing their new houses.

The J. D. Thompson Carnation Company increased its capital stock by $18,000 June 10.

Joseph Foerster, of George Reinberg's, is at Mildmay, Ontario, this week on vacation.

Peter Reinberg was a delegate to last week's big democratic county convention.

The latest quotation on small lots of window glass is $4.65 per box.

Jas. S. Wilson has returned from the east.

Visitors: F. H. Hall, Denver, Col., enroute to Europe; G. H. Blackman and J. C. Elspermann and wife, Evansville, Ind.; Ernest Marland, Alexandria, Ind; N. Bommersbach, Decatur; Ill., D. R. Woods, Los Angeles, Cal.

Boston.

PÆONIA EXHIBITION OF HORTICULTURAL SOCIETY PROVES GOOD.—DATE A FEW DAYS LATE.—FINE EXHIBITS FOR THE KELWAY PREMIUMS.—GRAND DISPLAY OF SPRING BLOOM AT ARNOLD ARBORETUM.—BUSINESS ABOUT AS USUAL AT THE SEASON.—VARIOUS JOTTINGS OF HORTICULTURAL INTEREST.—PERSONAL DOINGS.

The annual pæonia exhibition took place at Horticultural Hall on Saturday, June 14. Owing to the advanced season a few days earlier would have been a better date for the show, but nevertheless the display was very fine. The coveted Kelway special medals offered for eighteen named varieties of P. albiflora were won, first, by A. H. Fewkes and, second, by George Hollis. For a collection of thirty or more varieties T. C. Thurlow was awarded first premium and George Hollis second, J. H. White winning first for specimen bloom. The large vases of blooms arranged for effect were, as heretofore, an effective feature, the winners, in order named, being Mrs. J. L. Gardner, George Hollis, Mrs. E M. Gill and A. F. Estabrook. Pæonias from O. B. Hadwen and J. S. Chase, foxgloves from Mrs. Gardner and W. Whittmann and campanulas, gloxinias, pansies, roses and other seasonable flowers from many other exhibitors helped to make up a very attractive general display.

This is the month of roses at the Arnold Arboretum and the show of native and foreign species and varieties in flower is superb. The laurels are now at their best, also, following close upon the rhododendrons, all of which, except the late flowering R. maximum, are now through blooming. Viburnums and philadelphuses are still flowering profusely and the beautiful fountain-like Ligustrum Ibota is just opening. A visit to the Arboretum and other parts of the Boston park system is on the programme for the entertainment of the members of the New England Park Superintendents' Association which meets here on Friday and Saturday of this week.

Business continues about as reported last week. There is as yet no diminution of the product and considerable surplus is apparent in many lines, but the coming two weeks will provide a good market on account of the many school and college graduation exercises and the Boston school festival on June 28 will wind up the season with a snap.

A meeting was held on the evening of June 7, at the rooms of the Twentieth Century Club, of those interested in providing a fitting reception for the visitors to the convention of the American Park and Outdoor Art Association next August, at which it is expected several hundred park commissioners and superintendents will be in attendance.

The annual exhibition of roses and strawberries originally scheduled for next week is on for Thursday and Friday of this week, the extreme earliness of the season having made it necessary to change the date for the show. A full account thereof will appear in next week's notes.

Governor's Island, in Boston harbor, on which Fort Winthrop is located, has been transferred by the national government to the city for use for park purposes. It is expected that it will be the most beneficial and popular feature of the entire park system.

Fred. S. Davis, the genial secretary of the Horticultural Club, was slightly injured by being pushed from the platform against a moving car in the subway at Park street on Saturday, June 7. He had a narrow escape from serious injury.

"Uncle Dick" Richards, the rose enthusiast, of Brookline, celebrated his ninety-first birthday on June 10.

P. Welch and F. R. Mathison spent a few days at Mr. Welch's Old Orchard Beach home last week.

W. E. Doyle has vacated his old store on Tremont street.

Visitors: J. S. Wilson, Western Springs, Ill.; C. W. Ward, Queens, N. Y; Julius Roehrs, Rutherford, N. J.

THE FOUNTAIN IN LOGAN PARK, MINNEAPOLIS, MINN.

LAKE IRIS PARK, ST. PAUL, MINN.

New York.

ORGANIZATION AT BROOKLYN A NOTABLE HORTICULTURAL EVENT.—HOPE THAT NEW SOCIETY MAY ENJOY A LONG AND USEFUL LIFE —GOOD PROGRESS MADE.—A SPURT OF GOOD BUSINESS BEFORE THE SUMMER SOLSTICE.—VERY LARGE RECEIPTS AND BUYERS CRITICAL.

The most notable recent horticultural event in this neighborhood is the formation of the Brooklyn Horticultural Society. Organized principally for the purpose of perfecting arrangements for a suitable welcome to the American Carnation Society, which is to meet here next spring, it is the hope of its promoters that the new society may find encouragement and support sufficient to establish it as a permanent institution which shall at last provide the metropolis with the long-desired representative horticultural organization. Located as it is, in the midst of the largest residential community on the continent, in touch with, and yet sufficiently removed from, the active business life of the great city, it is reasonable to hope that with wise council and discerning foresight public enthusiasm may be adequately aroused and thus an honorable and useful career assured for this new enterprise. The second meeting in the work of primary organization was held in the lecture room of the Y. M. C. A., on Tuesday evening, June 17, with about twenty-five of the leading florists present, Mr. Ward presiding. Reports of progress were made by the several committees appointed at the previous meeting and the guarantee subscription list toward the expense of entertaining the visitors next spring received a number of substantial additions. A rough draft of proposed by-laws was recommitted to the committee to be presented in perfected form at the next meeting which will be held on Tuesday evening, July 1.

Business conditions are more hopeful this week, there being a continuous succession of weddings, steamer departures and school and college graduation exercises which for a brief time previous to the summer quiet will keep the retailers busily engaged. The worst feature at present is the enormous receipts at the wholesale establishments. Buyers can afford to be critical as to quality and they are. The result is a very large stock of unacceptable material which, if sold at all, must be disposed of at unquotable prices. Carnations are badly over-stocked and even those of good quality are placed with difficulty at anything more than customary rubbish price. Cattleyas are magnificent. Especially fine was a box of C. gigas noted at Young & Nugent's.

The committee in charge of the New York Florists' Club's excursion, which takes place July 7, are very anxious to hear from all who propose to participate. They are working hard to make the affair one of great pleasure to all who attend and it is due to them that a generous response should be made to their appeal and that they should know as soon as possible how many they will be expected to provide for. The boat can carry 600 or 800 people comfortably.

George M. Stumpp sailed for Europe on Tuesday and H. Looymans Wednesday on the Southward. Henry Siebrecht, Jr., sails next week.

Harry Bayersdorfer and Mrs. Bayersdorfer, of Philadelphia, sailed for Europe on June 17, on the Kaiser Wilhelm der Grosse.

Thomas Knight, American representative of Linden & Company, Belgium, will sail shortly for Europe.

Visitors: Robert Craig and Wm. P. Craig, Philadelphia.

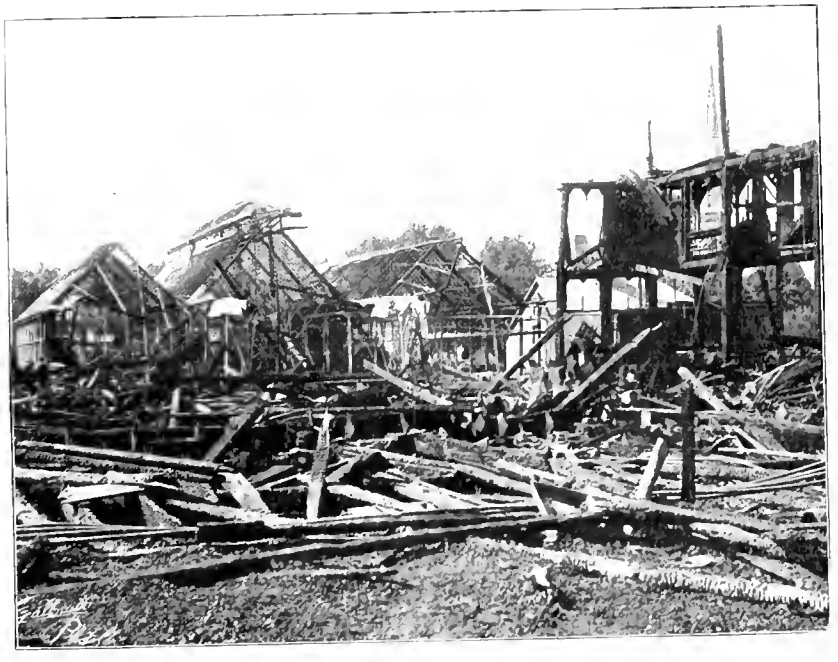
Philadelphia.

EXTREMES OF TEMPERATURE RESULT IN DETERIORATING ROSE CROP.—CARNATIONS ALSO SHOW EFFECTS OF HOT DAYS.—PRICES LOW.—TRADE FAIR.—OUTING AT BARNEGAT BAY.—HORTICULTURAL SOCIETY HOLDS GOOD SESSION.—NOTES OF VARIOUS LOCAL HAPPENINGS.

We have had some extremes of weather, one day hot enough for the shirtwaist man and the next the temperature was such that an overcoat felt very comfortable. Such rapid change has had its effect on the tea roses and many of them show it in their mildewed foliage. The percentage of specials in a shipment of Beauties is now very low and it is hard to fill orders for such stock. Teas are also very poor. Prices have fallen in proportion and $6 per hundred is about the best price for teas, with $1 50 to $2 a dozen for special Beauties. Carnations are also getting smaller and $1 per hundred is about all they will bring, except for something very fancy. Although the price is low some of the growers say they are selling well and bring in as much money per day now as at any time in the winter, as the crop is so abundant. Sweet peas are about at their height and much difficulty is experienced in getting anything like paying prices. This week winds up the commencements, which have helped the spring business more than ever before.

A number of the boys journeyed to Waretown last Saturday, at the invitation of John Westcott. His club house is right on the banks of Barnegat Bay and is everything that such a place should be. Underneath the nationa emblem which flies from a tall pole a

the front steps is a pennant of the colors of the Florists' Club. Commodore Westcott is a Philadelphia Florists' Club man to the core and never tires in doing anything that is of interest to, or for the club. It was mainly to entertain his many friends that he provided this haven of rest far from the busy hubbub of the city. Among the club members present on this occasion were Wm. Westcott, George Anderson, George Craig, John Habermehl, George Moss, John Dunham, Charles Eimmerman, Benjamin Leever, Wm. B. Westcott and George Redford. Business kept some of the craft at home, but George Watson was afraid of the tiny mosquito. As, however, there was not one to be seen he lost one of the times of his life. John N. May graced the company with his presence late Saturday. The amusements consisted of target shooting, quoits, sailing and fishing. This latter was not very successful as the fish have not commenced to run much as yet. Richard Lynex, the retired wire worker, who at one time made all the work for the florists of the city, was present and although past 80 years of age is as spry as a man of 60 and favored the boys with some great singing. On Monday morning all hands joined in cheers for their host and promises in reply to his hearty invitation to come again soon.



RUINS OF THE PAVILLION, HORTICULTURAL GARDENS, TORONTO, ONT.

The June meeting of the Horticultural Society was very well attended. There was a fine exhibition of Iris Kæmpferi, H. A. Dreer having some forty varieties. There were also fine sweet peas, gloxinias and a vase of seedling anthuriums in nearly all shades from white to dark red. Dr. Henry Skinner, entomologist of the society, gave an illustrated address on "Beneficial and Injurious Insects." The first named variety eat up the other kind and for this season are called beneficial. Seventeen year locusts, so-called, were described and the lecturer stated that they are perfectly harmless, as they do not eat except when in the ground and the only damage they do is when they deposit their eggs in the ends of the branches of trees, which does but little harm.

John Welsh Young, of Germantown, has had the best season in his business experience. His Beauties did exceptionally well and so did the English rose, Sunrise, which he will grow in larger quantities the coming season.

Trolley rides through the suburbs at this time show how popular the Crimson Rambler has become, as its gorgeous clusters of blossoms are to be seen everywhere.

Robert Craig is under the weather and has gone to the seashore to recuperate.

K.

Before and After.

The two accompanying illustrations are from photographs at the Pavillion at the Horticultural Gardens, Toronto, Ont. One shows the elaborate decorations of the banquet hall as arranged by J. H. Dunlop, for the Canadian Boards of Trade. Covers were laid for 415 guests and the decorations were undoubtedly the finest ever seen in the Pavillion. Shortly after the guests had departed fire broke out and the building, which was a frame structure, was burned to the ground with all its contents. The smaller illustration shows how it looked the next day. The Florists' and Gardeners' Association deplores the loss in particular, for it was here that the chrysanthemum and carnation shows were held, and there was no charge for rent or heat. The Pavillion was the scene of the convention of the S. A. F. in 1891.

H. G. D.

Pittsburg.

TRADE HELD UP BY WEDDING AND COMMENCEMENT ORDERS.—LITTLE ELSE DOING.—ROSES SHOW CONSIDERABLE IMPROVEMENT.—RETAILERS EXPECT PROSPERITY TO CONTINUE THROUGH JUNE.—NOTES OF VARIOUS DOINGS.

Transient business took a sudden drop during the week, but the exceptional number of orders for bouquets and baskets for commencement exercises will greatly assist in maintaining the volume of sales. Good white roses are in great demand and we do not get half enough. Some very good roses are coming in from the north. Eastern stock seems to have improved during the week. Carnot, Liberty and Beauty are first-class and there is a special demand for the two latter. Goethe is the best carnation, while Scott and Joost are good. Prosperity, in this hot weather, seems to retain very little of its pink shading and they are invariably selected for white, this absence of color being not undesirable. Lily of the valley is good and quantities of lavender and pink sweet peas are to be had, and they sell well. Orders for bridal sets are coming in with the usual regularity and they will continue to do so until the last day of June.

A great many bay trees have been sold in and around Pittsburg during the past month. The standards seem to be the best sellers. When florists order trees of this character they should have them completely encased, as the express companies charge a double or triple rate if the tops are unprotected or exposed.

Jos. H. Seaman, of Washington, Pa., who is a "W. & J." man and successor to I. S. Crall, controls the college trade, which is valuable. He had a great run on Beauties during the commencement week.

Thos. Malbranc and Schrader & Schmid, of Johnstown, Pa., are enjoying the height of the June business. Both firms have developed a fine trade and expect to increase it.

"Sid" Gibbs, of McKees Rocks and Carnegie, Pa., is more than gratified with the success of both his ventures.

A. W. Smith is displaying some pretty and nicely arranged hanging baskets.

E. L. M.

Cincinnati.

CLUB HOLDS AN ACTIVE SESSION.—MANY DEBATES.—OFFICERS ELECTED FOR THE ENSUING YEAR.—TRADE GOOD BUT STOCK IN HEAVIEST SUPPLY EVER KNOWN.—VARIOUS DOINGS OF LOCAL INTEREST.

Considering the warm weather of the past few days business continues very good, but there is not near enough call to consume all the flowers coming in. Never before have we had as many flowers in this market at this time of the year as we had last week. It seems as though flowers are coming to this city from all directions. One of the express companies had so many boxes to deliver one morning that they could not get them all on one wagon. This is something unusual for our town and this was only one company of the half dozen located here. Funeral work used up the largest percentage of the stock received. There are some wedding decorations and a few dinners now and then. Hardesty & Company had two dinners last Saturday, both calling for Beauty roses, of which they used 2,000. Of course they had to go to Chicago for these, as Beauties are a scarce article in this city at present writing. Mrs. Kresken has been very busy with funeral work, having two wagon loads of designs for Capt. Hadley's funeral last Thursday. The balance of the florists all had their share of work and seem contented.

The meeting of the Florists' Society last Saturday night, owing to the election of officers for the ensuing year, was well attended. There were twenty-two members present and the meeting proved quite a spirited one. Never before were the discussions entered into by so many different persons and it proved we have quite a number of orators in our society. It was decided to give an outing next month and Ben. George, Will Murphy,

THE PAVILLION, HORTICULTURAL GARDENS, TORONTO, ONT., DECORATED BY JOHN H. DUNLOP.

(As it appeared the night it was destroyed by fire.)

J. W. Rodgers, Max Rudolph and Richard Witterstaetter were appointed a committee to arrange for the affair. Ben. George procured a fine portrait of our late friend, Edwin Hoffmeister, to hang in the club room and was tendered a vote of thanks by the society. The following directors were then elected: Wm. Murphy, Wm. Schuman, Frank W. Ball, Ben. George and George Murphy, who went into executive session and elected the following officers: President, Wm Murphy; vice-president, Wm. Schuman; secretary, Frank Ball; treasurer, Ben. George. The next meeting of the society will be held at Chas. Pommert's place. Amelia, O All those wishing to attend this meeting will kindly notify E. G. Gillett, who will make all arrangements in regard to transportation.

Quite a hail storm struck this vicinity last Sunday evening, doing considerable damage at Hartwell and Hyde Park. J. F. Conger, of Hartwell, had about 800 feet of glass broken and congratulates himself that he has insurance. Gus. Meier, at Hyde Park, states that the hailstones that fell on his glass were of good size, but he did not lose a pane of glass.

W. T. and F. P. Butz, of New Castle, Pa., were in the city this week, visiting the different growers to get some new ideas of greenhouse building and to place an order with the Lockland Lumber Company for material for a new range of greenhouses.

Richard Witterstaetter is sending to this market at present a white carnation which is pretty hard to beat. It is about three inches in diameter and I am told the plants growing in the benches are a mass of bloom and buds.

Invitations are out for the wedding of Fred. W. Bramestrin to Miss Louisa Esther Rutley, June 25, at the home of the bride, Chatham, Ontario. At home after October 1 at Covington, Ky. D.

St. Louis.

TRADE WELL AHEAD OF THE SAME PERIOD LAST YEAR.—LITTLE GOOD STOCK TO BE HAD BUT HEAVY RECEIPTS CLEAN UP WELL.—VARIOUS LOCAL NOTES.

Trade is somewhat better this week than it has been in the past and is much better than at this same period in 1901. The exceedingly hot and dry spell of the last two weeks is showing in the quality of the flowers sent into the market. Roses, especially, are very small and of poor color. Golden Gates are about the best sent in, but a few Liberties are also very good. They bring up to $6 per hundred for the best. Some Beauties are sent in but only a few are good enough to bring fair prices. Carnations h ve stood the heat much better than roses and the receipts are large. The best varieties are Triumph and Joost, for pink, and Flora Hill and White Cloud, for white. Eldorado and Crane are also very good. Daybreak is entirely played out and very few are to be had.

F. W. Ude, Jr., is building a new greenhouse and has Mr. Berdan to help him put it up. Gross Brothers are also building some new houses.

Mrs. M. M. Ayers had bad luck last week, in that she lost both her new wagons in the fire at the Academy of Riding building, and also her harness, all valued at $600. One of the wagons was just out of the shop and the other one was not quite a year old.

Bentzen & Reuter will start on their new houses next week, for violets and carnations.

Eugene Boudinet, partner of Christ. Holst, of New Orleans, is in the city on business. R. J. M.

St. Paul.

SPRING SEASON THE BEST ON RECORD.—MANY WEDDINGS AND SCHOOL COMMENCEMENTS REQUIRE MUCH STOCK.—PLANT TRADE VERY HEAVY.—BUILDERS BUSY.—NOTES.

School commencements, weddings and funerals have created an unusually good demand for cut flowers, while civic pride coupled with good times has made the call for bedding stock very brisk. Cut flowers have been fairly abundant and of good quality, though sudden changes in temperature have mildewed some and extreme heat shriveled others. The demand for Beauties has been exceptionally good. Meteors sell at sight and are so far superior to Liberty in lasting qualities and length and stiffness of stem that this new candidate for favor will surely take a secondary place with the growers for summer blooming. Kaiserins and Brides have the call for weddings, while Golden Gates are most effective in funeral designs. Roses retail at $1.50 per dozen, with the best Meteors at $2. Carnations are feeling the effect of warm

weather. Lawsons are badly faded and discolored and cannot compare with the Marquis, which appears to be first class at all times. Prosperity is faded to nearly pure white, but Mrs. Bradt retains its size, markings and keeping qualities as in the winter. Carnations have retailed generally at 75 cents per dozen, a few of the smaller ones going at 50 cents. Pæonias have sold fairly well at from 50 cents to $1 per dozen. The flower buyers are beginning to appreciate anew the beauty of these old time favorites.

L. L. May & Company have commenced building six new houses with an aggregate of 20,000 square feet of glass and are also rebuilding their large show houses, erected fifteen years ago.

Mr. Ickes, of A. Dietsch & Company, Chicago, and J. McHutchison representing Aug. Rhotert, New York, were recent callers.

Holm & Olson have broken ground for a range of houses on Duke street near Pleasant avenue. FELIX.

Omaha.

SPRING BUSINESS ENTIRELY SATISFACTORY. —PLANTS ALL CLEANED OUT.—MUCH BUILDING UNDER WAY.—HAIL DOES DAMAGE.—A NEW STORE.—OTHER NOTES.

Business has been good all spring and all the florists around here and in the state of Nebraska say the same. Memorial day was almost as good as Christmas, only stock was scarce, which prevented the florists from doing much more business. Pæonias were almost all gone and very few could be had. After Memorial day spring bedding plants were all sold out and geraniums, cannas, verbenas and so forth could not be found anywhere. Stock sold at good prices.

Hess & Swoboda have taken new quarters one door west on Farnam street, where they have more room. After they get their new fixtures they will have one of the best stores in the country. Mr. Hess was blessed with a daughter June 12.

John Ederer & Son are building two new houses 18x125. A. Donaghue is rebuilding two houses and Hess & Swoboda are building two new houses 18x200, using Garland's iron gutter. P. B. Floth has his new range under way.

We had a hail storm in April, one in May and one in June. They did quite a good deal of damage to the north side florists A. Donaghue, Hess & Swoboda and J. Ederer were the losers each time.

The Florists' Club had its monthly meeting June 12 and decided to have an outing in July. GRIPPE.

Seattle, Wash.

MUCH GREENHOUSE BUILDING UNDER WAY. —MANY REMOVALS AND IMPROVEMENTS AMONG THE GROWERS.—TRADE GOOD ALL SPRING.—A LULL JUST BEFORE COMMENCEMENTS.—VARIOUS NOTES.

There is a boom on just now in greenhouse building which looks as if there must have been good times with the florists this last year. Malmo & Company are building a store on Broadway and East Pike street, a show house 18x50, a warehouse and cold storage and boiler house to heat four greenhouses 18x120. John Holze, proprietor of the Madison Park Floral Company, is moving to Thirteenth avenue and East Madison, where he is going to build six new houses 20x100. He says he has sold more bedding plants this year than ever before. His Alaska trade has been something extra. Bodie Bros., of East Seattle, are adding 15,000 feet of space to their establishment to grow carnations and chrysanthemums. They have planted 10,000 chrysanthemums for single stems. H. Harrington, on Vashon Island, is building five new houses 18x150, for carnations, chrysanthemums and asparagus. The Seattle Floral Company is moving to get more room at Fifth and Virginia streets, where they are putting up four new houses for general trade. The Washington Floral Company is adding one new house 18x110. Peter Saul is building 5,000 feet of glass on the east side of Lake Washington, to grow vegetables.

The florist business has been rather dull since Memorial day, but this week the florists are preparing for school commencement, which always uses up a good many flowers. Carnations are nearly done in the greenhouses but outdoor roses are plentiful and of very good quality. Outdoor carnations will be in this coming week. The state flower, the rhododendron, is just about over. Frank Bathurst, nursery manager for Malmo & Company, took a trip up to Whidby Island last week. He said that he struck one place of about twenty acres of rhododendrons that was very fine. There are thousands of seedlings on the island.

There are two new flower stores opened on Second avenue, the Evergreen Floral Company in the drug store formerly occupied by Mrs. McCoy, who moved across the street; and one at the entrance to the Butler Hotel.

The Florists' Club held a meeting on Saturday to nominate a new fruit inspector in place of W. Brown, who has been having trouble with the greenhouse men about scale on palms and ferns. J. C. R.

Cleveland.

HAIL DOES DAMAGE TO A NUMBER OF GREENHOUSE ESTABLISHMENTS.—LOSERS ALMOST ENTIRELY UNINSURED.—SINGLE THICK GLASS MOSTLY BROKEN.—GRAHAM ENDORSED FOR PLACE ON PARK BOARD.

A heavy hail storm visited this city during the early part of last week and several florists' establishments bordering on the lake front suffered considerably thereby. Herman Hart reports a loss of about fifteen boxes, Fred. Aul ten boxes, August Schmitt about thirty boxes, Jno. Mollenkopf ten boxes, D. Gamble about the same amount, and James Eadie was the heaviest loser but no estimate of his loss was obtained. Few if any of the losers were insured. Perhaps this lesson will bring them into line. The greater part of the glass broken was single thick. The hailstones were about the size of walnuts. Double thick glass did not suffer to any extent. Mr. Schmitt has decided to tear down those houses affected by the storm and rebuild, using double strength glass.

The outlook for a florist being placed on the Board of Park Commissioners is exceedingly encouraging. The probate judge to whom the resolutions adopted by the club were submitted, replied very promptly, thanking the club for their assistance in the matter and requesting the club to name some capable horticulturist. The committee thereupon agreed to submit the name of Adam Graham as the most suitable one for the position, which was accordingly done. The board is to be non-partisan and to comprise four members.

The picnic committee will report at our next club meeting when and where the outing will be held. All the members are requested to be on hand, as important matters are to be discussed. ECHO.

San Francisco.

HORTICULTURAL SOCIETY HOLDS VERY SUCCESSFUL MEETING.—PRIZE LIST NOW READY FOR FALL SHOW.—FIRST BIG OUTING PLANNED.—TRADE FAIRLY STEADY.—ASTERS IN BUT NOT WANTED.

A very successful meeting of the Pacific Coast Horticultural Society was held June 14. Five new members were initiated and four proposed. The prize lists for the approaching show were distributed. Conspicuous among the prizes are those given by the Cox Seed and Plant Company, $60 in various classes. The day for the excursion to the California Nursery Company's place at Niles was set for the first Sunday in July and it promises to be a large affair. It will be the first joint outing for all those interested in the flower and plant business and most of the flower stores will very likely be closed for that day. The first anniversary of this society will be celebrated at the same time. After the meeting the committee on entertainment kept the members together until almost midnight by music and recitals by a phonograph.

Business for the last week was good up to the last two or three days, when a considerable falling off was noticed. The visiting Shriners have made things quite interesting for the stores and go away with the very best impression of California flowers, carnations especially.

J. W. Shanahan is at present at Douglas City, in Trinity county, on pleasure and business.

Some asters are in, but do not take well as it is too early for them and the stems are too short. GOLDEN GATE.

Denver.

LIBERAL USE OF STOCK FOR SCHOOL CLOSINGS.—PÆONIA CROP A FAILURE IN MONEY RETURNS.—BUSINESS CHANGES.—BOLDT TAKES A NEW POSITION.

The use of flowers for school commencements this year was quite encouraging and seems to be gradually getting back where it belongs. Medium priced roses were mostly used, although quantities of carnations were disposed of. The old custom of sending baskets of flowers has died out and I do not know of a single instance where a basket was called for this year. Pæonias did not go off well and, while quality this season has been up to previous years, the crop has proved a failure in so far as money returns go. Of course they could be figured as a show, but then to sell them is far better, or in the vernacular, we'd rather "deliver the goods".

Quite a few changes are noted. Miss Bessie Hortop, who formerly conducted a small store on one of the side streets, has branched out into a larger one on our leading street, which gives all a little more competition. Another concern has opened under the name of the New York Floral Company, but who they are other than Greeks, I do not know.

Ben. Boldt, for the past two years foreman for the Park Floral Company, has left to take charge of the Daniels & Fisher greenhouses. Before leaving his old job he was presented with a fine watch charm by his fellow employes and Mr. Valentine, president of the Park

Floral Company, presented him with a beautiful gold watch, so Ben. went away perhaps sorrowful, but knowing he stood well with those he left behind.

B.

Detroit.

FESTIVITIES OF JUNE CREATING A DEMAND WHICH OVERTAXES THE SOURCES OF SUPPLY.—ROSES POOR BUT MOVING WELL. —CLUB HAS AN OUTING AND A MEETING.

June weddings and school commencements are giving an impetus to business that is taxing the sources of supply to the utmost. American Beauty and Meteor roses lead in the popular demand, while the stock of pink roses and colored carnations of good quality is easily disposed of, and the present activity gives indications of holding out well for another week. It is a trying time for the rose growers, as the weather is so changeable and unseasonable, close and humid one day, suddenly changing to cold and rain. Then they have the additional trouble of the dreaded thrip, which is new to most local growers, but no one is now escaping its ravages.

The club meeting Wednesday evening was given to miscellaneous work, including preparations for an outing in the near future to Bois Blanc Island. From present indications a party of about fifteen will attend the convention at Asheville in August.

A party of eighteen members of the club enjoyed an outing Thursday of last week, going to Algonac, above Lake St. Clair. The day was pleasantly spent in fishing, ending with a banquet in the evening.

J. F. Sullivan is about to build one house, for chrysanthemums, 24x100 feet.

Visitors: W. H. Watson, Lapeer, Mich.; J. W. Beghie, New York. J. F. S.

Columbus, O.

GOOD PÆONIAS FROM CHICAGO A WELCOME ADDITION TO THE STOCK.—GOOD ROSES NOT TO BE HAD.—VARIOUS NOTES.

Some very fine pæonias are still being shipped in from Chicago and they have been a great help in some of the decorations. A good rain last week helped the sweet pea crop so that we are now getting some good stock from the suburban growers. The closing of schools and colleges is creating quite a demand for roses, but the supply is short; in fact, good stock is out of the question. We are longing for the asters, of which there will be a good supply in this section if we are favored with a little more rain. Some of the growers are starting to replant their roses and it will not be long until all the old stock is replaced with a new crop.

Mr. Crabb, formerly with the Livingston Seed Company, has charge of the new establishment on West Seventh avenue. Mr. Smith, a well known furniture man of this city, is the proprietor.

CARL.

Hagerstown, Md.

HEAVY RUN OF SPRING BUSINESS —BOTH BEDDING STOCK AND CUT FLOWERS IN GOOD DEMAND.—BUILDING OPERATIONS. —THE MAYOR.

Spring trade is at its height, the florists reporting a brisk trade all along the line. Geraniums, verbenas and all sorts of bedding stock are much in demand and, while no shortage is anticipated, all indications point to a clean sweep. The usual quota of June weddings, school commencements and so forth will keep things moving throughout this month. After that a general cleaning up, rebuilding and remodeling will be the order of day. Wm. Bester has already commenced building three additional rose houses each 18x100. These are being built in the most modern, up-to-date way, with no partitions between. While at it Mr. Bester will give his other houses a general overhauling. Henry A. Bester will add two good-sized carnation houses. While growing a general stock for his retail trade. Mr. Bester will pay particular attention to the carnation. At both places I found things in splendid condition.

A call upon the mayor of the city, Hon. Henry Holzapfel, proved interesting. Mayor Holzapfel is first, last and all the time a florist of the progressive school, but to be mayor of a progressive city at the age of 27 or 28 is an honor achieved by few. He entered office with the sole purpose of doing his duty as behooves a good citizen and that the city of Hagerstown will profit by his services is a foregone conclusion. NOMIS.

Providence.

BUSINESS DULL.—STREET RAILWAY STRIKE DOES NOT AFFECT FLORISTS.—BOWLING CLUB IN PROSPECT.

Business has resolved itself into a state of pronounced quietness. Flowers are coming in fast and meet an overflowing market. One day last week a department store announced a sale of five thousand carnations at 15 cents per dozen. Carnations move with difficulty at anything over 50 cents per hundred; roses stand for 2 cents to 5 cents wholesale. Sweet peas from outdoors sell unevenly at 25 cents to 35 cents per hundred.

The city has a street railway strike on its hands, but luckily the florists have not been at a loss thereby, the busy season being over.

A florists' bowling club is anticipated for the coming season.

Early closing should be in order soon.

M. M.

Minneapolis.

The demand for flowers has been greater than the supply the whole week through, especially so in roses. Most crops are off and stock very inferior. Carnations are quite plentiful but the effects of warm weather begin to show. Some fancy pæonias have been in the market but have only averaged wholesale $2 per hundred. Kaiserin is the whole thing in the rose market now and thrives during the hot weather. Bedding trade still holds up and the plant dealers are well pleased. Rice Brothers report business progressing well.

C. F. R.

Removals and New Firms.

CANTON, N. Y.—N. E. Farmer has moved into the old library building.

SCHENECTADY, N. Y.—Chas. Limmer moved on May 26 to the handsome new Lorraine block.

SEYMOUR, CONN —Chas. F. Doll has decided to discontinue his greenhouse business.

PASSAIC, N. J.—M. L. Hundertmark has opened an attractive establishment at 5 Bloomfield avenue.

GLOUCESTER, MASS.—A. L. Tuck is erecting a new greenhouse establishment on Washington street.

NEWS NOTES.

BALTIMORE, MD.—Henry Wiedey was overcome by the heat June 14.

NEWPORT, R. I.—The annual rose and strawberry show of the Newport Horticultural Society will be held at Odd Fellows Hall on June 24 and 25.

SIOUX CITY, IA.—J. C. Rennison, who returned last Sunday from a trip to Chicago, is rebuilding three houses 20x150 and will add one house 35x80.

PORTLAND, CONN.—Chas. Sellew, who has been engaged in the florist business for the past four years, has decided to discontinue and will remove to Moscow, N. Y.

WILLIAMSPORT, PA.—Harry Chaapel lost a few dollars in damage to his seed and cut flower stock and suffered much inconvenience because of fire next door June 9.

MARLBORO, MASS —F. B. Gleason has sold his flower business in the Phœnix Block to Misses Grace and Belle A. Stevens. Miss Grace has been employed by Mr. Gleason for the past four years.

POUGHKEEPSIE, N. Y.—Cards are out announcing the arrival of a young son and heir to W. T. Rynders, who made his appearance on June 12. Roger Pritchard Rynders is the young man's name.

ROCHESTER, N. Y. — The Woman's Union, which made such a pronounced success of its flower show last fall, is planning another for September. The displays are expected to be largely amateur.

BANGOR, ME.—Contracts for supplying plants and shrubbery for the public parks have been awarded to Adam Sekenger for Chapin Park, Mrs. Thos. Allen for Whitney Park and Carl Beers for Union and Seavey Parks.

LANSING, MICH —The Lutey Floral Company has filed articles of incorporation with the secretary of state. The capital stock is $25,000. The company will take over the business of A. E. Lutey at Calumet, Mich., and the new range of houses going up at Chassell.

CADILLAC, MICH.—A. W. Tweedie had a large stock of bedding plants for spring and cleaned them out nicely, the Memorial day trade being half again larger than last year. He is building up his plant with the idea of supplying all that section of the state which naturally looks to Cadillac for plants and cut flowers.

NASHVILLE, TENN.—The pressure of work promises to keep both T. S. Joy and his son, T. C. Joy, away from the S. A. F. convention, but they will send their foreman, whose old home is in the vicinity of Asheville. T. C. Joy is already planning to attend the Brooklyn carnation meeting which he thinks will be the next best thing to tickling the angel's feet.

LYNN, MASS.—S. A. Davenport is given great credit for his fine work in planting and decorating the Common. He has altered the arrangement of the beds, sodded some portions that were before planted and laid out new beds in a very attractive manner. Under the supervision of Mr. Reeves, his head gardener, they put in some ornamental beds that are a credit to Mr. Davenport and a pleasure to the city.

THE AMERICAN FLORIST

SEVENTEENTH YEAR.

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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-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., Chicago.

THERE is a growing tendency toward the use of colored flowers at the funerals of adults.

PROF. L. H. BAILEY says that nowadays no one thinks of getting along without his trade paper.

THE article on mignonette to which "Subscriber" refers will be found on page 665, issue of January 6, 1900.

THERE seems a likelihood that machine-made window glass will shortly be turned out on a commercial scale. The trust is installing a number of machines at its plant at Alexandria, Ind.

THE men of the craft in Maryland seem to be active forces in politics as well as trade. Henry Holzaptel is mayor of Hagerstown and Orlando Harrison has recently been re-elected mayor of Berlin.

F. W. TAYLOR, acting chief of horticulture for the St. Louis exposition, says that it is practically assured that the management will provide a glass building for floriculture and a separate structure for pomology.

Is Well Pleased.

ED. AM. FLORIST:—Enclosed is $1 to renew my subscription to the AMERICAN FLORIST. I am well pleased with your paper and would not like to be without it. J. WM. SIMPSON.

Woburn, Mass.

Greenhouse Building.

Seattle, Wash.—John Holze, six houses 13x80.

Sioux City, Ia.—J. C. Rennison, one house 35x80.

Syracuse N Y.—L E. Marquisee, one house 11x256 and adding 31 feet to two houses.

Milwaukee, Wis.—N. Zweifel, one house 28x200.

Philadelphia, Pa.—Wm. Dedden, one house. J. F. Hunter, house 20x30. A. H. Ritter, house 15x33.

Leominster, Mass.—Geo. M. Kendall, vegetable house.

Fall River, Mass.—F. Bath, house 16x47.

Phillipston, Mass —Chas. H. Stewart, vegetable house.

East Mansfield, Mass.—John Conrod, one house.

South Sudbury, Mass.—F. W. Goodnow, cucumber house 20x50.

West Haven, Conn.—Charles Palmer, violet house.

Hathoro, Pa.—H. Weiss, house 24x180.

Treatment For Cycas.

ED. AM. FLORIST:—I should be pleased to have information as to the way to treat cycas in drying off growing plants and bringing dormant stems into growth. E. A. I.

Unless it may be in the case of a cycas that has become so badly infested with insects that it is necessary to cut off all the leaves, there does not seem to be any reason for drying off the growing plants, from the fact that this plant is an evergreen. But in such a case it would be best to keep the plant moderately dry at the root until it showed signs of starting a new crown of leaves, and this would probably not be very long at this season of the year. After the plant began to grow a liberal quantity of water would be needful, also a moist atmosphere and moderate shading.

The dormant cycas stems, such as are imported from Japan in such great quantities each year, are usually quite denuded of both roots and leaves, and should be potted firmly in as small pots as the size of stem will permit, given then a good watering and placed in a warm and shaded house, after which they should be syringed each day in bright weather, but not overwatered before they have a chance to make some roots. Some growers prefer to plunge the pots containing the cycas stems in a hotbed of manure or spent hops, but the disadvantage of this method is found in the fact that under such conditions the plants start into leaf before they have formed roots enough to support the foliage, and consequently the leaves do not develop perfectly. During the growth of the young foliage on the cycas it is well to be rather careful in syringing them, the unfolding leaves being very tender and readily bruised, but after the leaves are fully grown they may be syringed vigorously, and the plants should then be given plenty of air. W. H. TAPLIN.

OBITUARY.

EDWIN V. GAGE.

Edwin V. Gage, of Bradford, Mass., for many years a successful florist, died on June 8, aged 62 years. He leaves a widow and three sons.

EMMETT S. GOFF.

Emmett Stull Goff, professor of horticulture at the University of Wisconsin and a frequent contributor to horticultural literature, died June 6, as noted in our last issue. Born on a farm near Elmira, N. Y., he graduated from Elmira Academy in 1869 and was appointed horticulturist at the Agricultural Experiment Station at Geneva, N. Y., in 1882. He removed to Wisconsin in 1889. At that time the horticultural department at the Madison university was very small, with meager equipment and less than a dozen students pursuing that special branch During the past school year over 300 students received instruction from Prof Goff, in a splendid building devoted to horticulture and with the added advantage of field work in several acres of nursery and fruit plantations. This growth, though following to some extent the growth of the Agricultural College in general, was due in no small measure to the untiring efforts of Prof. Goff. His "Principles of Plant Culture" and "Lessons in Pomology" were the outgrowth of his experience in the class room. He was a pioneer in the use of fungicides. It is not generally known that Prof. Goff invented the kerosene attachment for spray pumps. This device, so commonly known as the Wood and Galloway attachment, was first applied to the old Nixon tripod pump and the original model is now in the horticultural building at Madison.

ANDREW M'CONNELL.

Andrew McConnell died at the Hahnemann hospital, New York City, of meningetis, on June 16, in his sixty-first year. Mr. McConnell has been identified with horticultural pursuits from his early boyhood. He was a thoroughly practical plantsman, especially in outdoor work. One of his earliest positions was that of gardener to R. L. Stewart, at the fine old place at 154 Fifth avenue, where he was successor to Mr. Davidson and served for seven or eight years. Later he filled the position of second gardener under the renowned Wm. Chorlton, on the estate of John C. Green, at Staten Island. Afterwards a partnership was formed and a commercial enterprise launched under the title of Chorlton & McConnell. For many years this firm was noted as the largest camellia producers in this section. On the retirement of Mr. Chorlton the business was merged into the firm of McConnell & Grimshaw. For the past eight years Mr. McConnell has been connected with the establishment of his brother, Alexander, at Fifth avenue and Forty-fifth street. While there he had charge of the planting of the Gould estate at Lakewood, N. J., for two years. His wife, who was a daughter of the late Wm. Chorlton, died some years ago, and he leaves one son only, Jas. F. McConnell, who is a salesman for J N. May and L. M. Noe at the New York Cut Flower Company's rooms The funeral took place from the residence of Alexander McConnell, at New Rochelle, on Wednesday, June 18.

WILLIAM BULL.

By the death of William Bull, of King's Road, Chelsea, British gardeners lose one of the most remarkable and enterprising gardeners and nurserymen of the Victorian era. I often think the modern florist has been born too late. All the good things seem to have been thought of by his predecessors and unless he can strike out a new and original line for himself his chances of becoming a shining light in the horticultural world are rather remote. It seems to have been a somewhat similar idea that induced Mr. Bull at the age of 32 to strike out on the lines which have since made his name a household word among gardeners of all nationalities. When about 14 years of age he started gardening in a nursery at Winchester, his native town, and three years later he entered the then famous firm of E. G. Henderson & Son, of St. John's Wood, London, now out of existence. After a time he became a traveler for his firm, and at the age of 26 he transferred his abilities to W Rollisson & Sons, of Tooting, for whom he traveled far and wide. There was some talk of taking him into partnership, but the negotiations failed and in 1861 Mr Bull started on his own account, in the King's Road, Chelsea, dealing in "new, beautiful and rare plants." He carried on the business until June 1, 1902, when he died. For many years he was a great exhibitor, but for several years past he has held a perennial exhibition of his own at his nurseries. So far as his work in horticulture is concerned, perhaps there is no one man living who has introduced so many fine plants of all kinds. He has

made introductions from all parts of the world, through such famous collectors as Dr. Berthold, Seemann, Roezl, Bruckmuller, Shuttleworth and Carder, the last-named, I believe, being the only one at present living. That Mr. Bull was honored and respected throughout the entire horticultural world is shown by the honors that were conferred upon him by various British and foreign societies. The business will be carried on as usual by his two sons, William and Edward Bull. W.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (six words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1902 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED — By Aug. 1st, in the orchid shipping business by young man, age 20. Three years' experience as a florist. Address ORCHID, care American Florist.

SITUATION WANTED — By a first-class rose grower; best of references from some of the leading rose growers of New England. Address F H A, care American Florist.

SITUATION WANTED—As manager or foreman on medium cut flower growing establishment; married. State wages, etc. Address MANAGER, care American Florist.

SITUATION WANTED — By good all-around florist and gardener. Permanent place wanted. Address K W, 156 W. Van Buren St., Chicago, Ill.

SITUATION WANTED—As foreman or grower in up-to-date, progressive establishment; sober and reliable. Good wages. A1 references. Address B J, care American Florist.

SITUATION WANTED—As foreman and grower of cut flowers and plants, age 35 years, married. Will be at liberty July 1st. Boston or vicinity preferred. Address A K, care Am. Florist.

SITUATION WANTED—By experienced grower of roses, carnations, 'mums and general stock; design work; would work on shares; 20 years' experience; age 39, married. Address Box 27, Stamford, Conn.

SITUATION WANTED—As foreman and grower of cut flowers and plants. Have been foreman with prominent florists around Chicago for a number of years. Address FLORIST, Box 54, Hinsdale, Ill.

SITUATION WANTED—As foreman, or second man, in first-class florist business around St. Paul or in state of Minnesota; 18 years' experience in the business; well up in all branches. Address E H, care American Florist, Chicago.

SITUATION WANTED—By thoroughly experienced grower of cut flowers. Roses and carnations a specialty. Also experienced in grafting. Capable of taking full charge. Address C. HEIDE, 1041 E. Belmont Ave., Chicago.

SITUATION WANTED—As foreman or carnation grower; 8 years' experience—last five in carnations; age 27. Best of references. Wholesale place preferred. Address WM. M. TAYLOR, care Peter Fisher, Ellis, Mass.

SITUATION WANTED—Practical single German, age 28; 14 years' experience with palms, ferns, forcing stock, bedding plants, cut flowers. Private or commercial. Chicago preferred. CARL JAHN, 509 Madison Ave., Grand Rapids, Mich.

SITUATION WANTED—As foreman by thoroughly practical florist. Good decorator, designer, etc. Grower of No. 1 roses, carnations and 'mums. First-class commercial or private position. Good wages expected. Address G. FOREMAN, care P. O., Canton, O.

WANTED—Florist for general greenhouse work. Call 2780 North 40th Ave., Chicago.

WANTED—Two good carnation growers near Chicago. Address C C, care Am. Florist.

WANTED—Married man, good gardener and greenhous man for country place. MRS. P. R. KING, Delavan, Wis.

WANTED—Single man with some experience in greenhouse work; steady and sober. C. H. KUNZMAN, 3710 High Ave., Louisville, Ky.

WANTED AT ONCE—A young man with some experience in carnation growing. A steady place for the right party. Apply to E. J. BOLANZ, Akron, Ohio.

WANTED—Young man to learn the greenhouse business, growing of roses and carnations. State age. Apply to JOHN L. WYLAND, De Haven, Pa.

WANTED—Rose growers and helpers; also one man that understands growing chrysanthemums. The highest wages and steady work. BASSETT & WASHBURN, Hinsdale, Ill.

WANTED—A good florist, to grow roses, chrysanthemums, carnations and violets for cut flowers, also a general stock of plants. State wages. E. POWER, Frankfort, Ky.

WANTED—A young man with some experience in greenhouse work. State wages with room and board. Must be sober, reliable and good worker. FRED. J. KING, Ottawa, Ill.

WANTED—Young man for private place, to take care of lawn and beds; must be sober and reliable. Address, with references, age and nationality. S. J. REUTER, Westerly, R. I.

WANTED AT ONCE—A capable, sober, industrious florist, a good grower of roses, carnations, 'mums and general stock; $35 a month with room and board. Address O. L. BAIRD, Dixon, Ill.

WANTED—A young man for retail florist place; must be well posted on ferns and palms; not afraid of work, and have A1 references. Address H. F. HALLE, 548 West Madison St., Chicago.

WANTED—A young man who understands something about orchid and fern growing. State where last employed and wages wanted, with board. Address J. M. GASSER CO., Euclid Ave., Cleveland, O.

WANTED—Hot water boiler capable of heating 3,000 to 4,000 feet of glass. Give all particulars as to size, make, how long used, condition and price. Address THE POLSLEY FLORAL CO., Wahoo, Neb.

WANTED—An all-around florist, capable of growing first-class roses, carnations and general stock. Must be sober, industrious and reliable. State wages wanted with board and room. Reference. Address S E H, care Florist.

WANTED—Young man with 2 or 3 years' experience in general greenhouse work and gardening. Must be strictly sober. Wages, $20.00 first 3 months, with board and room; after that $25.00, if satisfaction is given. Steady situation. C. L. VAN METER, Monticello, Iowa.

WANTED—At once a reliable florist, must be sober, honest and a good worker; one who is capable to take full charge of medium size place and grow a general collection of plants and cut flowers for retail store trade. State wages with board and send good references of recent date in first letter. Good wages and steady place to right man. FRED J. KING, 220 Madison St., Ottawa, Ill.

FOR SALE—Greenhouses 4,000 square feet of glass, ground and dwelling; on electric car line and railroad; good retail business. Good chance for a young man. Address T, care American Florist, Chicago.

FOR SALE GREENHOUSE, 2,000 ft. glass, furnace and pipe all complete, 85 hot bed sash; plant 4 years old. Purchaser to remove same at once.
5411 WOODLAWN AVE., CHICAGO, ILL.

FOR SALE Greenhouse of 5,000 feet of glass, land and good dwelling house of 11 rooms and all out-buildings; doing a good business; within 10 miles of coal mines. 7,000 Carnations in stock. Established 30 years. Carnations are my specialty; have yearly contract with a Columbus firm for all I raise and 3 times as many more. Going out of business on account of old age. Will sell from 1 to 10 acres. Remember I am situated in the carnation belt of Ohio. Call on or address **HENRY GOMPF, Box 284, LOGAN, OHIO.**

For Sale or Lease.

OLD ESTABLISHED BUSINESS.

Established 40 years one acre of ground, six greenhouses under about 20,000 feet of glass, and well stocked, within limits of growing city having 40,000 population; twenty minutes by rail from Philadelphia, Pa.; two trolley lines pass the door; within fifty yards of two large cemeteries; a good local trade in potted plants, cut flowers, funeral designs, decorating, etc. An unexcelled opportunity for an enterprising and energetic man. Change made because of death of proprietor. Address

J L J, care American Florist, Chicago.

For Sale at a Bargain

Greenhouses, 25,000 square feet of glass, all in good condition and paying well; within 20 miles of Chicago. Owner is going to retire from business. Address F S, care American Florist.

FOR SALE—Florist Business.

3,000 feet of glass, established over 20 years. Plenty of land for extension of business; best location in city of Rome 16,000 inhabitants, center of New York State, on New York Central R. R., five hours' ride from New York City. Progressive party can make a lot of money. Address

MRS. MORRIS R. JONES, Rome, N. Y.

For Sale or Lease.

OLD ESTABLISHED FLORIST BUSINESS—11 acres of ground, 11 greenhouses, outhouses, barn, office, dwelling house, and good water mill (Corcoran build), in City of New York, Borough of Bronx. Entire property will be sold at reasonable price, or leased for number of years. Greenhouses heated by hot water boiler, all in good order. Good chance for right party.

FRANK GASS, Unionport, Westchester, New York City.

For Sale.

I offer for sale, on account of impaired health my seed establishment, 64 and 66 N. Front street, Philadelphia, Pa., finely located at the terminal of four trolley lines and near all steamboat and railroad depots; rent very moderate; stock is small, clean and fresh; complete fixtures; several specialties; well advertised; good retail counter trade. An established market gardeners' and wholesale trade. Will be sold as a whole at a moderate price to good party.

H. G. FAUST,
64-66 No. Front St., PHILADELPHIA, PA.

Greenhouses For Sale.

At public auction. On Wednesday, June 25th, at 2 p. m., the Reinert Greenhouse property at Etna, N. J., will be sold at public auction. Two acres of land, water tower, six hot houses with about 8,000 sq. ft. of glass, etc., etc. Terms liberal. Property is situated at Etna on the line of the N. J. and N. Y. R. R.; 20 miles from New York; near the R. R. station. For information address CHAS. REINERT, Northport, N. Y., Or M. H. ANGELL, ETNA, BERGEN CO., N. J.

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 establish permanent business with the best trade in the United States.

PRICE LIST.

BEAUTIES.	Per doz.
Long stems	$2.50 to $3 00
Medium stems	1.50 to 2.00
Short stems	.75 to 1.00
	Per 100
Brides	$4.00 $6.00
Maids	4.00 6 00
Meteors	4.00 6.00
Gates	4.00 8 00
Carnations	2.00 2 50
" large and fancies	3.00
Lilium Harrisii	10.00 12.50
Sweet Peas	.50
Valley select	4.00
Valley, outdoor	2.00
Asparagus Plumosus, per stg.	.50 .75
Asparagus Sprengeri	3.00 4.00
Ferns, per 1000, $2.50	.25
Galax per 1000, $1.25	.15
Leucothoe sprays	1.00
Adiantum	1.00
Smilax, per doz.	1.50 2 00

Prices subject to change without notice. Above prices are for first-class stock. Lower grades billed accordingly.

Paeonias

ALL CHOICE VARIETIES
THE BEST IN CHICAGO.

Festiva Maxima

$6 00 per 100,

Other Sorts, $3 to $4 per 100.

51-53 Wabash Ave.

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or any part of Great Britain.

Messrs. WILLS & SEGAR will attend to any commission from American florists for the supply of Cut Flowers, Birthday Flowers, Bouquets, High Class Floral Designs, etc., to their clients who may be traveling in England.

WILLS & SEGAR, Court Florists to His Majesty, The King.
ROYAL EXOTIC NURSERY,
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J. OLBERTZ, ERFURT, GERMANY

CHEAP RATES TO NEW ENGLAND.

$18.90 to Providence, R. I., and return, via Nickel Plate Road, July 7, 8 and 9. Particulars at City Ticket Office, 111 Adams St., Chicago, and Union Ticket Office Auditorium Annex. Write John Y. Calahan, General Agent, Chicago. 22

FOURTH OF JULY EXCURSION

over Nickel Plate Road, at one fare for the round trip, within a radius of 200 miles from starting point. Tickets on sale July 3rd and 4th, with return limit of July 7th. Three daily trains in each direction between Chicago, Cleveland, Buffalo, New York, Boston and New England points. Every facility offered for comfort of the traveling public. Individual American Club Meals, ranging in price from 35c to $1.00, and meals a la carte in dining-cars on Nickel Plate Road. Write John Y. Calahan, General Agent, 111 Adams St., Chicago, for special rates to eastern points. 21

Wholesale Flower Markets

MILWAUKEE, June 19.

Roses, Beauty, long, per doz.	2.50@ 3.00
" " med. "	1 00@ 1.50
" " short "	.50@ .75
" Liberty	6.00@10.00
" Bride, Bridesmaid	4.00@ 6 00
" Meteor	4.00@ 6.00
" Golden Gate	4 00@ 6.00
" Perle	4.00@ 6 00
Carnations, ordinary	1.00
" fancy	2.00
Paeonias, per doz., 50c to .75	
Harrisii	10 00
Lily of the valley	4.00
Adiantum	.75@ 1.00
Smilax	18.00@20 00
Asparagus	65.00
Common ferns	.25

PITTSBURG, June 19.

Roses, Beauty, specials	20.00@25.00
" " extras	12.00@15.00
" " No. 1	4.00@ 6.00
" " No. 2	2 00
" Bride, Bridesmaid	1.00@ 4 00
" Meteor	1.00@ 4 00
Carnations	.50@ 2.00
Lily of the valley	2.00@ 3.00
Harrisii lilies	6 00@10 00
Daisies	.50@ 1.00
Sweet Peas	.20@ .50
Smilax	10.00@12.50
Adiantum	.75@ 1.00
Asparagus	35.00@40.00

CINCINNATI, June 19.

Roses, Beauty	5.00@15.00
" Bride	1.00@ 4.00
" Bridesmaid	1.00@ 4 00
" Meteor	1.00@ 4 00
" Perle	1.00@ 4 00
" Liberty	1.00@ 4.00
Carnations	1.00@ 2.00
Lily of the valley	3.00@ 4 00
Sweet Peas	.25@ .50
Longiflorum lilies	10.00
Gladiolus	5.00
Asparagus	50.00
Smilax	12.50
Adiantum cuneatum	1.00
Common ferns	.15

ST. LOUIS, June 19.

Roses, Beauty, short stem	3.00@10.00
" " long stems	12.50@20.00
" Bride, Bridesmaid	2.00@ 5.00
" Golden Gate	2.00@ 6.00
Carnations, ordinary	.75@ 1.00
" choice	1.50
Lily of the Valley	3.00@ 4.00
Sweet peas	.15@ .25
Smilax	12.50@15.00
Asparagus Sprengeri	1.00@ 1.50
" Plumosus	1.00@ 1.50

SMILAX 2-inch, $1.00 per 100.
ROSES Brides and Maids, 2-inch, $2.00 per 100; $18.00 per 1000.
McALLISTER & COMPANY, Batavia Ill.

A good adv. in a good paper will bring good returns.

E. H. Hunt,

WHOLESALE.....

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THE "OLD RELIABLE."

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All telegraph and telephone orders given prompt attention.
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The Cincinnati Cut Flower Co.,

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Consignments Solicited.
Special Attention Given to Shipping Orders.

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WM. DILGER, Manager,
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Full line of Florists' Supplies and Decorations. Special attention to shipping orders.

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Special attention to shipping orders. A complete line of Florists' needs. Send for price list. Prompt returns on all consignments.

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A complete line of Wire Designs.

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It is not always easy to find supplies of satisfactory stock in the season of June

Weddings and Commencements

There is heavy call for good stock and our Beauties, Carnations and Roses always grade as well as any. Paeonias are extra fine and in great demand. Ours are from the best source and when we can't supply you there will be no more to be had in this market.

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L. D. PHONES CENTRAL 1999 AND 1977.

PRICE LIST.

BEAUTIES.			
30-36-inch stems,	per doz.,		$3.00
24 "	"	"	2.00
20 "	"	"	1.50
16 "	"	"	1.00
12 "	"	"	.75
6 to 8-in. "	per 100	$4.00	5.00
			Per 100
Brides		$2.00	5.00
Maids		2.00	5.00
Meteors		2.00	5.00
Gates		2.00	5.00
Carnations		1.00	1.50
Callas	per doz.,	1.00	1.25
Paeonias		6.00	8.00
Sweet Peas		.25	.40
Valley, select		4.00	5.00
Marguerites		.50	.60
Asparagus plumosus, per str,		.60	.75
" Sprengeri		3.00	6.00
Galax	"	1.25;	.15
Ferns	per 1000, $1.10,		.20
Adiantum			1.00
Smilax	per doz.,	1.50	2.00

Prices subject to change without notice

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37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

DAGGER and FANCY FERNS

$1.00 PER 1000.

GALAX LEAVES Bronze or Green, 75c per 1000. Use our **Laurel Festooning** for your June Decorations. Its the best and cheapest in the market. 4, 5 and 6c per yd. Bunched laurel and laurel wreaths when wanted.

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4 Washington Street, CHICAGO

Send for weekly price list and special quotations on 1000 lots.

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Consignments solicited.....

ONION SETS—NO MORE OF THEM.

Sow my Hardy White Onion.

SEND FOR CIRCULAR.

BEAULIEU, the Pansy Man, WOODHAVEN, N. Y.

Wholesale Flower Markets

CHICAGO, June 20.

Roses, Beauty, 30 to 36-inch stems		3.00
" " 24 " "		2.00
" " 20 " "		1.50
" " 15 " "		1.00
" " 12 " "		.75
" " 6 to 8 " " per 100	4.00@	5.00
" Bride, Bridesmaid	2.00@	5.00
" Meteor	2.00@	5.00
" Perle	2.00@	5.00
" Golden Gate	2.00@	5.00
Carnations	.75@	1.50
Lily of the valley	4.00@	5.00
Harrisii	6.00@	10.00
Callas, per doz.	1.00@	1.25
Paeonias ... per doz.	.75@	1.00
Cattleyas ... per doz.	6.00	
Sweet Peas	.30@	.40
Asparagus, per string, .6 @ .75		
Adiantum	.75@	1.00
Common ferns, per 1000, $1.50		.20
Galax leaves, per 1000 ... $1.25		.15
Smilax ... per dozen	1.50@	2.00

LILY of the VALLEY

The finest now ready to cut.
Fine pips from cold storage, $13 per 1000.

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Chicago Carnation Co., Joliet, Illinois

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Choice American Beauties.

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600,000 FEET OF GLASS.
Headquarters for American Beauty.

51 Wabash Ave., - CHICAGO, ILL.

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Week days and every day
Sundays and holidays,
All over the country,
At home and abroad.

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June Weddings
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OPEN AT 6 A. M. DAILY.

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Best Quality
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Open for Cut Flower Sales at 6 o'clock Every Morning .....
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JOHN DONALDSON, Secretary.

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On July 5 to 9, inclusive, the Nickel Plate Road will sell tickets at one fare for round-trip to Portland, Me., and return, with final return limit August 15th. Particulars at City Ticket Office, 111 Adams St., Chicago. 25

Wholesale Flower Markets

BOSTON, June 18.

Roses, Beauty, extra	12.00@15.00
" " medium	6.00@10.00
" " culls	2.00@ 4.00
" Queen of Edgeley	10.00@20.00
" Bride, Bridesmaid, Meteor	1.00@ 2.00
" extra	3.00@ 6.00
Sweet Peas	.25@ .60
Carnations	1.00@ 2.00
Lily of the valley	2.00@ 3.00
Lilies	4.00@ 6.00
Pæonias	3.00@ 5.00
Spiræa, stocks	.50@ 1.00
Adiantum	.75@ 1.00
Asparagus	50.00
Smilax	12.00@16.00

PHILADELPHIA, June 18.

Roses, Tea	6.00@ 7.00
" " extra	7.00@ 8.00
" Beauty, extra	20.00@25.00
" " firsts	10.00@15.00
" Queen of Edgely, extra	20.00@25.00
" " " firsts	10.00@15.00
Carnations	1.00@ 3.00
Lily of the valley	4.00@ 5.00
Asparagus	25.00@50.00
Smilax	12.50@15.00

BUFFALO, June 19

Roses, Beauty	7.00@35.00
" Bride, Bridesmaid, Meteor	4.00@ 8.00
Carnations	1.00@ 3.00
Pæonias	3.00@ 5.00
Lily of the valley	3.00@ 4.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.50

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Roses, Carnations and all kinds of Seasonable Flowers in stock.
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Headquarters, 56 West 26th Street,
WRITE, TELEGRAPH OR TELEPHONE. Opposite Cut Flower Exchange, NEW YORK CITY.

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$1.00 per 1000, best quality; discounts on larger orders. Galax Green and Bronze, $1.00 per 100; 5,000 to 10,000 lots, 75c per 1000. Laurel Festooning, 4c, 5c and 6c per yard. Also everything in the evergreen line, from a blade of grass to a 50 ft. tree. All orders by mail, telephone or telegraph promptly attended to.

HENRY M. ROBINSON & CO.
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We sell Electros of the fine illustrations used in the AMERICAN FLORIST at 15 cts. per square inch. Send list of your needs to.....
THE AMERICAN FLORIST CO.

Valley and Beauties
Of Extra Fine Quality.
During June will be open from 7 A. M. TO 8 P. M.

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RECEIVER AND SHIPPER OF FRESH CUT FLOWERS. DAILY STOCK OF ALL THE CHOICEST VARIETIES FROM BEST GROWERS WHO SHIP TO NEW YORK.

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WM. H. GUNTHER,

30 West 29th St., New York.

Telephone 551 Madison Square.

Frank Millang

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ESTABLISHED 1872.

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Write for Terms. 115 West 30th St., New York.

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OPEN 6:00 A. M.

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New Telephones No. 798 & 799 Madison Sq.

Wholesale Flower Markets

NEW YORK, June 18.

Roses, Beauty, select	10.00@15.00
" " medium	5.00@ 6.00
" " culls	.50@ 1.00
" Bride, Bridesmaid	.50@ 4.00
" Liberty	2.00@ 8.00
" Meteor, Golden Gate	.50@ 4.00
" All kinds, job lots	.25@ 1.00
Carnations	.50@ 1.00
Lily of the valley	.50@ 4.00
Callas, Lilies	3.00@ 5.00
Paeonias	.50
Sweet Peas, per 100 bunches, $2.00	
Cattleyas	30.00@50.00
" gigas	40.00@60.00
Smilax	8.00@12.00
Adiantum	.50
Asparagus	35.00@50.00
" Sprengeri, per doz. bun.	2.00@ 3.00

CHAS. MILLANG,

50 W. 29th St.,

NEW YORK.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

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REPRESENTS THE BEST GROWERS OF

ROSES, CARNATIONS, VALLEY.

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BEST FLOWERS SHIPPED AT LOWEST NEW YORK PRICES.

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Twentieth annual convention, Minneapolis, Minn., June 24-26, 1902.

VISITED CHICAGO: G. B. McVay, of the Amzi Godden Company, Birmingham, Ala.

DRY weather prevails in the tuberose districts and the crop is suffering somewhat therefrom.

L. A. BUDLONG, of Chicago, has returned to his home after an enjoyable fishing trip in Texas.

HENRY F. MICHELL, of Philadelphia, has suffered a loss of $3,000 from fire in an adjoining store. The property is fully insured.

THUS far a sleeper and a half have been engaged for the Minneapolis trip on the Chicago, Milwaukee & St. Paul R. R., train leaving Union Depot, Chicago, at 6:30 p. m., June 23.

CHARLES A. HEATH, of the Albert Dickinson Company, Chicago, is at Williams College, Williamstown, Mass., for commencement week. He is an alumnus of the class of 1882.

H. G. Faust to Retire.

We are sorry to learn that H. G. Faust, trading as H. G. Faust & Company, Philadelphia, is by the advice of his physicians compelled to relinquish business on account of his health. The house was established in 1887 at the present location, 64-66 North Front street and 100 Arch street, in the double five-story buildings, and by means of catalogues and advertising combined with hard work a growing business was established in wholesale, retail and market gardeners' lines. Close attention was paid to several specialties in which a large trade has been done at home and abroad. The business will be sold as a whole.

A High Handed Proceeding.

The United States Treasury Department issued June 4 the following remarkable order:

At the instance of the Secretary of Agriculture, it is hereby directed that, commencing July 1, 1902, and continuing for six months, 2-ounce samples of all importations of 100 pounds or more of grass, clover and forage plant seeds be prepared at the earliest practicable date after entry and forwarded to the Seed Laboratory, Department of Agriculture, Washington, D. C., labeled with names and addresses of consignors and consignees, name of seed as given in the invoice, and quantity of the consignment.

Charles D. Boyles, secretary of the Albert Dickinson Company, Chicago, in reference to the above said: "This order is news to us. The Secretary of Agriculture did not favor us with an announcement of his intentions. Had he done so I think we should have felt it necessary to file our objections. I do not see how the operation of this order could accrue to the interest of the large importers who are spending their money to discover and keep in touch with the best sources of supply. On the other hand, much harm might result. It all depends on what Mr. Pieters proposes to do with the samples, labeled with all possible information except the price, when they reach the Seed Laboratory. Nothing is said on that point and it may be that the Department does not intend to publish the valuable information thus collected, but in view of the well known propensity of the Department to print all it knows I think this order may be a cause for alarm on the part of those houses which have invested considerable capital in perfecting their European connections."

Charles A. Heath, manager of the grass seed department of the same house, said: "If this order is to be carried into effect the importers who wish to safeguard their European sources of supply will doubtless find it expedient to have shipments pass through the hands of forwarding agents, but it will add to the expense of doing business."

A H. Goodwin, of the Goodwin, Harris Company, Chicago, said: "We are living under a strenuous government."

European Seed Crops.

There has been too much rain in nearly all the seed growing sections of continental Europe, according to the *Horticultural Advertiser* of June 11. The weather has also been cool and the season is generally backward. Among vegetables, cucumbers (now too late to sow again), beans, lettuce, tomatoes, potatoes and peas have all been injured. Plants of carrots and beets have also suffered in southern France and kohlrabi and turnips in Germany. Prospects for radish, spinach, celery, leek and cabbage seem good. Favorable weather from date onward will materially change the outlook. Flower seeds have not been specially damaged so far. Pansies are looking well, myosotis not so good.

American Seed Trade Association.

President Northrup advises us as follows regarding railroad fares to the Minneapolis meeting of the American Seed Trade Association, June 24-26: "Western Passenger Association, Trunk Line Association and New England Passenger Association grant fare and one-third rate for round trip. Receipts for fare paid will not be accepted in lieu of certificates."

CHICAGO TO MINNEAPOLIS.

Seedsmen from the east and south of Chicago should purchase tickets from starting point through to Minneapolis, taking certificate receipt for same. This receipt when properly executed at Minneapolis will secure return ticket at one-third of the regular rate. In purchasing tickets be sure to see they read from Chicago to Minneapolis via the Chicago, Milwaukee & St. Paul R. R., so as to accompany the Chicago party, who are very desirous that all visitors passing through Chicago travel in the same car or cars, leaving Chicago from the Union Depot at 6:30 p. m., June 23. Reservation on sleeping cars can be made through J. C. Vaughan, 84 Randolph street, Peter Hollenbach, 12 North Halsted street, or Goodwin Harries Company, 115 East Kinzie street, all at Chicago.

AT ST. PAUL.

L. L. May is planning to entertain the seedsmen on Wednesday, June 25. A trip down the river, a carriage ride around the city, supper at the club and a trolley ride in the evening are a few of the pleasures planned.

LILIUM HARRISII.

Indispensable for Early Forcing.

OUR own growers pack all our Bermuda Bulbs and personally grow half our supply. Careful attention to the growing crop, weeding out diseased plants, proper grading of the bulbs when dug, business-like packing and handling, all go to make success with Harrisii. We invite your orders under these conditions. Our bulbs will pay you.

Write for Prices before closing any forcing stock orders.

VAUGHAN'S SEED STORE,
14 Barclay Street, NEW YORK.
84-86 Randolph St., CHICAGO.

Florists' Calendar FOR JUNE.

	100	1000
ASPARAGUS PLU. NANUS, selling out	$ .75	$6.50

CINERARIA HYBRIDA max. grandi., pkt., 500 seeds, 25c; 5 pkts., $1.00.
CINERARIA HYBRIDA nana, dwarf grandi., pkt. 500 seeds, 25c; 5 pkts., $1.00.
CALCEOLARIA HYBRIDA grandi., max. or nana, dwarf grandi., either pkt., 500 seeds, 25c; 5 pkts., $1.00.
CALCEOLARIA, SHRUBBY, RUGOSA, pkt. 25c.
FERN SPORES, finest sorts mixed, pkt. 25c.
PRIMULA SINENSIS FIMBRIATA, the finest ENGLISH STRAINS in pure white, Chiswick red, Kermesina rose, blood red, Cerulea True Blue, each 100 seeds, 25c; in 1000 lots, $1.75. All colors mixed, 100 seeds, 20c; 1000 seeds, $1.50.
FRESH PANDANUS UTILIS SEED, 100, $1; 1000, $8.50.

SEND FOR OUR
NEW LIST
all Summer and Fall Forcing Bulbs.
Save 10 per cent and get good stock.
Address H. H. BERGER & CO.,
Established 1878. 47 Barclay St., NEW YORK CITY.
Please mention the American Florist when writing.

ESTABLISHED 1802
THORBURN'S SEEDS

CYCAS REVOLUTA STEMS.
We have just received a large shipment in assorted sizes from 3 to 12 pounds (most of them 8 or 10 pounds) which we offer at 10c per pound. Special price on large quantities

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

"Some firms have some things part of the time," but

KENNICOTT'S

HAVE EVERYTHING ALL THE TIME.

If you want the Finest PAEONIAS for School Closings and June Weddings, go to

KENNICOTT BROS. COMPANY

Wholesale Commission Florists,

42 and 44 E. Randolph St., CHICAGO.

Wittboldii Ferns....

A rare chance to get stock of this fine fern cheap. 2½-in. $5, 3-in. $8, 5-in. $20 per 100. Bench plants, good for 2½-in. $3, 3-in. $5, 4-in. $6, 6-in. $25 a 100.

CASH PLEASE.

A. J. BALDWIN, Newark, O.

PANSIES

New Giant Mme. Perret, the prize strains exhibited at the Pan-American Exposition, true stock. trade packet, 50c; $5.00 per ounce. Our choicest mixture of the best strain procurable, 50c trade packet; ⅛-ounce, $2.00; ounce, $7.00.

Walter Mott Seed & Bulb Co.
JAMESTOWN, N. Y.

Carnations, Geraniums Cannas, Etc.

Prices quoted upon application.

The Cottage Gardens, Queens, L. I.

S. S. SKIDELSKY,

708 N. 16th Street,
PHILADELPHIA, PA.

CORRESPONDENCE SOLICITED.

GALAX

Bronze or green, 75c per 1000, in 2 00 lots or over; single 100), $1.00. Fern, Fancy, $2.50 per 1000; Fern, Dagger, $1 50 per 1000. Leucothœ Sprays, bronze and green, assorted sizes, $1 per 100. Green sheet moss, $2.50 per bbl. bag.

L. J. KRESHOVER.
110-112 W. 27th Street, NEW YORK CITY.
Telephone call, 597 Madison Square.
HARRY A. BUNYARD, Mgr.

Please mention the American Florist when writing.

The Sensational New Rose for 1902.

MRS. OLIVER AMES.

For description, prices, etc., see Trade List.

$100.00 IS OFFERED IN PRIZES for Cut Flowers of this Rose at Madison Square Show next fall.

Extra fine plants of the grand pillar rose **CRIMSON RAMBLER**, from $2.00 to $6.00 per dozen, according to size and age. Also all the **STANDARD** forcing roses in variety, now ready for shipment.

JOHN N. MAY, Summit, N. J.

SPECIAL BARGAINS

10,000 Roses, all kinds.
5,000 Coleus 2-inch pots.
1,000 Cannas, 3 and 4-inch.
5,000 Smilax, 2x2½-inch.
5,000 Plumosus and Sprengeri.
5,000 4 5, 6, 7, 8 and 10-inch Boston Ferns.
Vincas, Fuchsias, Pelargoniums, Hibiscus, etc., etc., for stock. Write

GEO. A. KUHL, PEKIN, ILL.

ROSE PLANTS

2½ inch Rose plants, fully as good as any we have ever sent out:

METEOR, $2.50 per 100; $20.00 per 1000.
MAIDS, 3.00 per 100; 25.00 per 1000.

J. A. BUDLONG,
37-39 Randolph St. CHICAGO.

Wanted--To buy 400 strong Dormant Poinsettia Roots. State price. Apply to
JOHN L. WYLAND,
De Haven P. O., Pa.

Rose Plants

Strong plants from 2½-inch pots, choice stock in every particular.

	Per 100	Per 1000
AM. BEAUTY PLANTS, 2½-inch	$6.00	$50.00
" " 3-inch	8.00	75.00
METEORS, 2½-inch	2.50	20.00
" 3-inch	4.00	35.00
BRIDE	3.00	25.00
BRIDESMAID	3.00	25.00
METEOR	3.00	25.00
GOLDEN GATE	3.00	25.00
PERLE	3.00	25.00

GEO. REINBERG,
51 Wabash Ave., Chicago.

Asparagus

PLUMOSUS NANUS....

From flats, $2.50 per 100; $20.00 per 1000. 25 at 100 rates; 250 at 1000 rates, prepaid. CASH.

LOOMIS FLORAL CO.
LOOMIS, CAL.

Please mention the American Florist when writing.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

CHAS. A. ILGENFRITZ, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y. Twenty-eighth annual convention, Detroit, Mich., June, 1903.

VISITED CHICAGO: Martin Foley, of the Great Northern Nursery, Baraboo, Wis.

ONE of the features of the past season is said to have been the demand for weeping trees.

THE Greenmount Nurseries, of Philadelphia, are in bankruptcy, E. F. Hoffman, 560 Bullitt building is referee.

CONIFERS were planted in increased numbers this spring, particularly the Colorado blue spruce and the Douglas spruce.

EXTENSIVE advertising in journals of general circulation has resulted in greatly increasing the call for Schwedler's maple. It is a splendid tree for the lawn.

N. W. HALE, of Knoxville, Tenn., says that he considers the woolly aphis a more dangerous pest than the San Jose scale, the Hurrah scale, as N. H. Albaugh calls it.

The Catalpa As An Economic Tree.

The hardy catalpa, C. speciosa, has long been recognized as a tree of great economic value by individual botanists, foresters and business men, but it is only now meeting with the wide acceptance to which its utility entitles it. Recent practical experiments with the catalpa in the west are described in a bulletin of the Kansas State Agricultural College and are summarized as follows:

"Two species of catalpa are native to the United States, Catalpa catalpa (C. bignonioides), indigenous in the southeast, and Catalpa speciosa in the central west. Planting of the southeastern species in the west long caused confusion between the two trees, since both were planted together indifferently, under the supposition that they were of the same species. The low, scraggy habit and the tendency of the tops to winter-kill, seen in many catalpa trees, and peculiar to C. catalpa, was a supposed characteristic of all catalpa trees. C. speciosa was first distinguished as a separate form by Warder in 1853, and first described by Engelmann in 1880.

"Catalpa speciosa is distinguished from the other native species by greater stature, hardiness north of the forty-fourth parallel, north latitude; larger flowers, fewer in panicles, and appearing about two weeks earlier than those of C. catalpa; by furrowed rather than scaly bark and by wider and more deeply notched seeds, bearing a fringe of hairs not drawn to a point, as in C. catalpa.

"Wood of C. speciosa is remarkable for durability in contact with the soil. Well authenticated and reliable observations give life-record of 100 years for timber from large, mature specimens. Seasoned timber from trees ten inches or more in diameter will last fifteen to thirty years in continuous contact with the soil.

"Seed should be sown about twenty-five to the foot, in shallow drills one inch deep. Spring sowing is best in northern states. Seedlings 'heeled in' over winter are set permanently the following spring. Planting should not be closer than 5x8 feet and thin to 10x8 from the eighth to twelfth year. Thinning should be continued until the trees stand 20x16 feet, or 16x16 if the original planting was 8x8. Crops of corn, etc., can be grown between the eight-foot rows the first year after setting. If cut to the ground the second year from setting and a single sprout allowed to grow, the resulting trunk will be straighter than if not cut back. Sprouts from older roots produce post timber in four years. Pruning is necessary for the formation of straight trunks, the first pruning in the fifth or sixth year, the second in the tenth year. Trees in the forest increase in diameter from one-third to one-half inch annually, if not planted closer than 5x8 feet (1,000 trees per acre). Trees standing 16x16 feet (170 per acre) may increase in diameter one inch annually up to about the twelfth year. From that time on, the probable annual rate of increase will be one-half inch. Post timber is produced in from seven to ten years, tie timber, telegraph and telephone poles in from fifteen to twenty-five years.

"White oak, the best tie timber hitherto used, is nearing exhaustion. The expense of chemically treating cheap ties of perishable wood is great. Metallic ties are out of the question on American roadbeds. A strong demand exists for durable tie timber to replace oak. In 1900 there were 535,668,000 ties in the tracks in the United States. The renewals in that year were 48,000,000, worth, at 40 cents apiece, $19,200,000, nine per cent of the total in track. If laid with catalpa ties, annual renewals would not exceed four per cent, counting the life of catalpa ties at but fifteen years. They have been known to last twenty years. The annual saving of expense of renewals thus affected, estimating the cost of catalpa ties also at 40 cents apiece, would be $10,600,000.

The durable quality of catalpa renders it especially valuable for fence posts and for telephone and telegraph poles. The value for post timber lies not only in its resistance to decay, but also in its not checking or splitting with age.

"The first catalpa forest was planted in southern Missouri in the late 70's by the St. Louis, Iron Mountain & Southern railroad. It was not cared for and finally abandoned.

"The Farlington plantation, near Farlington, Kan., owned by the 'Frisco system, has 640 acres, planted between 1879 and 1882. The trees were planted 4x4 feet, not regularly thinned or pruned and consequently the trees have not made proper development. Thinning now going on and plantation may yet be successful.

"The Tincher plantation of sixty acres, near Wilsey, Kan., is successful and promising, producing in some parts of the plantation 2,000 posts per acre, at 10 cents each. The trees are well pruned and properly thinned. It is a commercial success, the soil an upland prairie.

"The Yaggy plantation, situated in the Arkansas river valley, near Hutchinson, Kansas, consists of about 500 acres in trees. Conditions at this plantation are better adapted for growth of the catalpa than those of any other in the state. Cropped entirely for posts, the trees are in splendid condition and the plantation a decided success.

"Cost and profits in catalpa growing depend on local conditions. Careful estimates based on the Yaggy forest give the total cost of growing and marketing the timber on one acre for ten years as $51.70; gross value of product in ten years, $267.15; net profit, $215 45; net profit less six per cent compound interest on expenditures, $197.55 per acre; net annual profit for first ten years, $19 75; owner's estimate of present gross value of product (three years later than above valuation) $400 per acre; annual income of plantation at present, as estimated by owner, $50 per acre.

JACKSONVILLE, ILL.—Joseph Heinl says that he sold several hundred dollars worth of cuttings of his specialty, Juniperus compacta, while at the nurserymen's convention at Milwaukee. He has a large stock of it and it is a fine thing but difficult to propagate.

Import Freight Agents Delaware, Lackawanna & Western Railroad Co. at New York, N. Y.

ENERGY. ECONOMY. DISPATCH.

F. B. VANDEGRIFT & CO.,

Publishers of Vandegrift's United States Tariff.

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NEW YORK Office, 66 Beaver Street Telephone, 948 Broad. | A. B. C. Code Used Cable Address, Vangrift. | CHICAGO Office, 315 Dearborn St. Phone Harrison 840.

P. LOEF AZ. & CO.,

BOSKOOP, HOLLAND,

Growers of HARDY AND ORNAMENTAL NURSERY STOCK in large quantities.

New York Address care

P. J. VAN HEININGEN, 136 Water Street.

Send for our wholesale price list.

LAUREL HILL Nurseries, F. BRUNTON Manager.

Importers and growers of Choice Hardy Perennials. Native Trees, Shrubs, Specimen Evergreens. We grow large quantities of Iris, Paeonies, Tritomes, Phlox, Delphiniums; stock is perfectly hardy, true to name. Send for Special Catalogue of New Hardy Alpine Iris, now in the press. STOCKBRIDGE, MASS., U. S. A.

B. W. DIRKEN,

Oudenbosch, Holland.

ORNAMENTAL AND FOREST TREES A SPECIALTY.

Conifers, Evergreens, Hollies, Etc.

Prices on Application.

Park Architects and Dealers

will find whatever they want in the

Holland Nurseries, De Bilt near Utrecht

HOLLAND.

SPECIALTIES ARE: Conifers, Evergreens, Hardy Shrubs, Lilacs, Ornamental Trees, Fruit Trees in different forms, Azaleas, Rhododendron Ponticum and Hybridum.

Please send list of your wants and write for general catalogue. We will make you special offers. Write to

GROENEWEGEN & ZOON,

De Bilt, near Utrecht, Holland.

ROBT. CRAIG & SON,

Roses, Palms

and Novelties in Decorative Plants

Market and 49th Sts., Philadelphia, Pa.

Specialties for School Closings and June Weddings

CUT FLOWERS

WRITE OR WIRE FOR SPECIAL PRICES.

McKellar & Winterson Co.

45-47-49 Wabash Ave., Chicago.

Araucaria Excelsa.

We control the American market of this splendid pot plant. Our houses are now full of them. May importation per steamers Vaderland, Penland and Keusington. We sell plants raised from top cuttings only (no seedlings), at the lowest cash prices, as follows: Each

5 to 5½ inch pots, 3 tiers, 10 in. and above, 50c
5½-inch pots 3 tiers, 12 in. and above, 60c to 75c
6-inch pots, 4 tiers, 15 to 18 inches and above ..... 75c to $1.00
KENTIA FORSTERIANA, 25 to 28 inches high, 5 leaves, 5½-inch pots 75c
KENTIA BELMOREANA, 20 inches and over, 5 leaves 5½ inch pots 75c
FICUS ELASTICA, 4 inches ..... 20c to 25c
BEGONIA, tuberous rooted 5-in. pots, $1.80 per doz.

Cash with order, please. ☞ Mention if pots are wanted.

GODFREY ASCHMANN,
WHOLESALE GROWER AND IMPORTER OF POT PLANTS,
1012 Ontario Street, PHILADELPHIA, PA.

A FEW GOOD THINGS YOU WANT.

KENTIA Belmoreana and Forsteriana, also Areca Lutescens, 3 plants in a pot, extra clean and well grown plants, 2½, 3, 4 and 5-in., $8, $15, $30, $50, $75, $100 to $125 per 100.
REX BEGONIA, 2 and 3-inch, $4 and $6 per 100.
BOSTON FERN, $4, $8, $15 and $30 per 100 for 2, 3, 4 and 5-inch.
FERN, Cordata Compacta, 2 and 3-inch, $4 and $10 per 100.
ASPARAGUS Plumosus, 2-inch, $5; 3-inch, $8. Sprengeri, 2-inch $3; 3 inch, $5, per 100.
DRACAENA INDIVISA, 3, 4 and 5-inch, $6, $10, $25 per 100.
ENGLISH IVY, 2 and 3-inch, $3 and $6 per 100.
A full line of the best bedding **GERANIUMS** for stocking up, 2-inch, $3, 3-inch, $5 per 100.
SMILAX, Vinca Var., Campbell Violets, Lobelia, Coleus, Alternanthera, Ageratum, Scarlet Sage, Lemon Verbena, Giant Alyssum, 2-inch, $2; 3-inch $4 per 100.

Let me price your wants. Cash or C. O. D.
GEO. M. EMMANS, NEWTON, N. J.

Shasta Daisy

THE LATEST FLORAL WONDER.

Plants 25c each; $2.50 per doz.; $15.00 per 100; $100.00 per 1000. 25 at 100 rate. 500 at 1,000 rate. 100 seeds, 50 cents.

CALIFORNIA CARNATION CO.
LOOMIS, CAL.
Please mention the American Florist when writing.

All The Best CARNATIONS

Orders booked now for fall delivery.
SEND FOR PRICES.
Rotted cuttings and young plants all out.
GEO. HANCOCK & SON,
GRAND HAVEN, MICH.

Clearing Sale of Rose Plants

We have on hand the following Rose Plants that we must dispose of immediately as we are obliged to have the room. They were grown for our own use but we have concluded to grow only grafted stock, therefore this stock is for sale. We fully guarantee the plants to be in first-class condition in every respect, and to get rid of them we will sell at the following low prices:

7,000 MAIDS in 3 inch pots	at	$30.00	per 1000
4,000 MAIDS in 2-inch pots	at	20.00	"
3,500 MAIDS in 4-inch pots	at	40.00	"
2,000 GOLDEN GATES in 4-inch pots	at	40.00	"
1,000 GOLDEN GATES in 3 inch pots	at	30.00	"
1,000 GOLDEN GATES in 2-inch pots	at	20.00	"
1,500 METEORS in 4-inch pots	at	40.00	"

250 AT 1000 RATES.

This stock is as good as can be grown and guaranteed to be so.

Bassett & Washburn,

76 WABASH AVENUE, CHICAGO.
GREENHOUSES, HINSDALE, ILL.

Roses

For Winter Flowering.

Fine healthy stock from selected cuttings: Perles, Brides, Maids, Kaiserins, Wootton, Bon Silene, Mme Hoste, Meteor, Safrano, Papa Gontier, Golden Gate, 3-inch pots, $7.00 per 100; 4 inch pots $10.00 per 100.

American Beauty, Sunrise, Liberty, 3-inch pots, $9.00 per 100; 4-inch pots, $12.00 per 100.

GRAFTED ROSES.

Kaiserin, Golden Gate, 3½-inch pots, $15.00 per 100.

J. L. Dillon, Bloomsburg, Pa.

PALMS.

HOME-GROWN, FINE, CLEAN STOCK; GROWN COOL.

Write for Price List. **J. B. HEISS,**
The Exotic Nurseries, DAYTON, OHIO.

BEGONIA GLOIRE DE LORRAINE,

2¼-inch pots, $15.00 per 100.

Write for prices on large lots. Stock guaranteed absolutely free from disease.

THOMAS ROLAND, Nahant, Mass.
Please mention the American Florist when writing.

Carnation Floriana.

We believe this to be the best pink carnation introduced to date, was disseminated in the spring of 1901 by originators, Messrs. Fillow & Banks. Price, $6 per 100; $50 per 1000. 50 at 100 rate, 500 at 1000 rate. Less than 50, 8c each.

Dailledouze Bros, Carnation and Chrysanthemum Specialists,
FLATBUSH, BROOKLYN, N. Y.

BEGONIA GLOIRE DE LORRAINE,
Begonia Light Pink Lorraine,
For June and Later Delivery,
$15.00 per 100; $140.00 per 1000.
Edwin Lonsdale, Wyndmoor, near Chestnut Hill, Pa.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 79 Milk St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

Bowling at Asheville.

The bowling committee of the Florists' Club of Philadelphia had a meeting on June 10, and made arrangements for a series of four outside matches, open to all active members of the club, on each Wednesday, beginning June 18, to determine who shall be on their team at Asheville.

Incidentally some talk was indulged in about prizes at the convention and two members put their names down for $10 each as a starter.

It is about time now that we were hearing something from the officers of the Bowling League, if that august body is still in existence. If not then some other means should be adopted to work up a programme for the convention.

Perhaps some of our enterprising horticultural supply concerns want to put up a trophy this year? In that direction $25 or $50 would prove a very good advertisement. G. C. WATSON.

At Philadelphia.

"They're off." The convention contests have begun, at least the preparatory ones. It was announced that the Philadelphia team will be composed of those scoring highest in four matches to be rolled June 18 and 25, July 2 and 9, but the name of the alleys is not given out, so there can be no practicing. Sixteen players turned up for the first contest, on the Pennsylvania Bicycle Club's alleys, which shows the interest taken. Harris and Westcott, the veterans, were made captains and sides chosen. The point winners were Moss, 544; Robertson, 488; Starkey, 481; Kift, 478; Polites, 473; Craig, 465, and Anderson, 460. The team scores follow:

Player	1st	2d	3d	T'l
Harris, Capt.	167	126	157	450
Connor	123	167	149	439
Adelberger	122	132	122	376
Habermehl	124	146	180	450
Gibson	109	132	134	375
Robertson	154	166	168	488
Craig	154	138	173	465
Falk	120	125	124	369
Total	1073	1132	1207	3412

Player	1st	2d	3d	T'l
Westcott, Capt.	170	129	137	436
Moss	169	224	151	544
Starkey	146	160	155	481
Polites	159	166	148	473
Anderson	154	158	148	460
Kift	154	153	171	478
Watson	127	160	123	410
Dunlop	99	123	126	348
Total	1178	1273	1159	3610

At New York.

The attendance at the bowling alleys last Monday evening was gratifyingly large and enthusiastic. It was decided to give up the Eighth street alleys and meet weekly at Thum's alleys, at Thirty-first street and Broadway for the summer. These are the most perfect alleys in New York and it is expected that the practice on the strange floor will so develop and perfect the rollers that when they go to Asheville they will be practically invincible. A proposition to do something towards providing trophies to be contested for at Asheville was defeated by a unanimous vote. A feature of Monday's rolling was the rivalry between F. H. Traendly and W. H. Siebrecht, the result of which was the transfering of most of Mr. Siebrecht's loose change to Mr. Traendly's pocket as a beginning towards the purchase of a $200 Panama hat at a cut price. Following are the scores:

Player	1st	2d	3d	4th
Lang	177	158	169	135
Bunyard	140	140	166	126
Traendly	143	159	188	117
Shaw	154	167	131	109
Thielmann	145	116	154	161
O'Mara	109	134	187	165
Siebrecht	113	121	132	122
Sorly	161	102	140	120

Springfield, Mass.

NO LARGE WEDDING JOBS THIS SEASON BUT MUCH SMALL WORK.—CUT FLOWER TRADE BRISK.—OUTDOOR STOCK BENEFITS BY RAINS.—NOTES.

Business is quite brisk, although we are not favored with any large wedding decorations so far. The store men have been quite busy with smaller decorations and there is a good demand for cut flowers, which are fair considering the very warm weather, more like August than June. We have had some good showers, which have helped the carnations, asters and sweet peas, which else must have suffered with the extreme heat. Bedding out is all done and reports are very satisfactory. Everything was sold out. Cleaning up is in order now and refilling benches for chrysanthemums, of which quite a number are grown here.

L. D. Robinson reports sales away ahead of last year, with good prospects for fall.

Mark Aitken is going to build two houses 10x50 feet. A. B.

LYNN, MASS.—The wedding of Alex Solomon and Miss Annie Maud Brewer is announced to take place in June.

FALL BULBS

Tulips, Hyacinths, Narcissus, Lilies. You can save money by placing order now. Send us your list; we will make bottom prices.

James Vick's Sons, Rochester, N. Y.

J. van Reisen & Son,
VOORHOUT, HOLLAND,
Wholesale Bulbs and Roots.
NEW YORK ADDRESS
care P. J. VAN HEININGEN, 136 Water St.

ORCHIDS! A RARE Opportunity ORCHIDS!

To make room for a large importation with which I have just returned from the Orient, I offer healthy, well established plants of the following varieties at reduced rates. Write for what you want. I will make the price right. Aerides Quinquevulnerum, extra fine in spike; Cattleya Bowringeana, Eldorado, Forbesii, Gaskelliana, Guttata, Intermedia, Labiata, Mendellii, Mossiæ, Quadricolor, Skinneri, Trianæ; Dendrobium Superbum; Lælia Purpurata and Superbiens; Lycaste Skinneri, strong.

ODONTOGLOSSUM CRISPUM.

Of this variety I can spare about 100 fine healthy, vigorous plants.

PHALAENOPSIS.

Amabilis, Amethystina, Intermedia, Leucorrhoda, Luddemanniana, Rosea, Sanderiana, Schilleriana, Stuartiana; Pilumna Fragrans (strong plants); Renanthera Storiei; Saccolabium Violaceum; Vanda Sanderiana, Lamellata, Boxalli.

Above plants all sizes, small to specimen plants. Write for prices.

R. Schiffmann, M. D., St. Paul, Minn.

....AN....

Indispensable Adjunct

TO a successful wholesale business is an up-to-date, accurate, complete Trade Directory. Such a book, 418 pages, containing the name and address of every florist, nurseryman and seedsman in America, new list of private gardeners and horticultural supply concerns and much other information will be mailed from this office on receipt of $2.

AMERICAN FLORIST CO.
324 Dearborn St., CHICAGO, ILL.

ROSE PLANTS

Well Established.

	Per 100	Per 1000
AM. BEAUTY, 3-in. pots	$8.00	$75.00
AM. BEAUTY, 2½-in. pots	6.00	50.00
PERLE, 2½ in. pots	3 00	25.00
GOLDEN GATE, 2½-in. pots	3 00	25.00

All plants sold under express condition that if not satisfactory when received they are to be returned immediately, when money will be refunded.

PETER REINBERG,
51 Wabash Avenue, CHICAGO.

STRONG, HEALTHY

ROSE PLANTS

300 Am. Beauties, 2½-in. pots, $6 per 100.
700 BRIDE, 2½-inch pots, $2.50 per 100.
200 MAIDS, 2½-inch pots, $2 50 per 100.
How much for the lot? We guarantee satisfaction or money will be refunded.

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Please mention the American Florist when writing

Extra Value in ROSES

Excellent well-grown stock, in the most perfect condition to plant now:

	Per 100	Per 1000
AMERICAN BEAUTIES, 3-inch	$8.00	$75.00
" " 2½-inch	6 00	55.00
PERLES, very fine, 3-inch	5.00	
GOLDEN GATES 3-inch	5.00	45.00
KAISERINS, 3-inch	5.00	45.00
METEORS, 3-inch	4.00	40.00
BRIDES, 3-inch	5 00	45 00
" 2½x3-inch	3.00	25 00

This stock will satisfy the most critical buyers.

W. H. GULLETT & SONS, LINCOLN, ILL.
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ROSE PLANTS

from 3½-inch pots. Also Geraniums.
1,000 BEAUTIES, at 7c each; $65.00 per 1000.
100 SUNSETS, 6c each. 800 G. GATES, 6c each.
300 HONTE, 6c each. 200 MAIDS, 6c each.
300 METEORS, 6c each.
2,000 GERANIUMS, 6c assorted.

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Fine Rose Stock

HEALTHY AND VIGOROUS.

GOLDEN GATE, 3-inch	$5.00
MAIDS, 3-inch	5.00
BRIDES, 3-inch	5.00
BEAUTIES, 3-inch	10.00
KAISERINS, 3-inch	6 00

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Roses from 3-inch pots, healthy plants—Am. Beauty, Bride, Maid, Wootton, La France and Golden Gate, cheap for CASH.

Rubber Plants, per doz.—12-inch, $2 50; 18-in., $3 50; 18 to 24 in., $5.00; 24 to 30-in., $7.00; 30 to 36-in., $9 00.

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Unquestionably the best mixture of Chinese Primroses. It contains the largest variety of the best selling colors. Flowers large, beautifully fringed, borne in large clusters well above the rich green leaves. Pkt., (250 seeds), 50c; 5 pkt., (1250 s.), $2 00.

CHINESE PRIMULA, Chiswick red; Alba Magnifica, white; blue, pink, striped. Each, per pkt. of 250 seeds, 50c; 1000 seeds, $1.75.

DOUBLE CHINESE PRIMULA, white, pink, red or mixed, per pkt., 50c.

CINERARIA VAUGHAN'S COLUMBIAN MIXTURE. A mixture of the best English and German strains, unsurpassed. Pkt. (1000 seeds) 50c; 3 pkts., $1.25.

CALCEOLARIA HYBRIDA, choicest mixture, pkt. 50c.

10 PER CENT discount on flower seed orders amounting to $2.00 and over for **CASH WITH ORDER.**

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Such as Cyclamen, Pansies, Perennials. Send for our midsummer list of bulbs, etc. Sent free to florists on request.

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6-inch pot, 3 plants, 20 to 22 inches high.....75c each; $75.00 per 100
6-inch pot, 3 plants, 24 to 26 inches high.....$1.00 each; $100.00 per 100
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KENTIA BELMOREANA:

6-inch pot, 6 leaves, 24 inches high.....$1.25 each; $15.00 per doz.
6-inch pot, 6 to 7 leaves, 26 to 28 inches high..... 1 50 each; 18.00 per doz.
8-inch pot, 6 to 7 leaves, 30 to 32 inches high..... 3.00 each; 36.00 per doz.
8-inch pot, 6 to 7 leaves, 36 to 40 inches high..... 4.00 each.

HOME GROWN, CLEAN AND HEALTHY.

10,000 Roses

Meteors, Brides, Maids, Kaiserins, Beauties, Liberties Golden Gate, La France, Belle Siebrecht. Write.

GEO. A. KUHL, PEKIN, ILL.

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Semple's Branching and Queen of the Market, in white, pink, blue and red, fine plants, grown from the finest seed saved by myself, at $2.50 per 1000; 40c per 100.

J. C. SCHMIDT, BRISTOL, PA.

ROOTED CUTTINGS

Estelle, $5.00; Lawson, $4.00; Marquis and Elm City, $2.00; Crocker and Lord, $1.00 per 100. Other varieties on application.

DANA R. HERRON, OLEAN, N. Y.
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SPECIALTIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery,
CHRYSANTHEMUMS,
SMILAX, VIOLETS.

In Best Varieties

Prices Low. Send for List.

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THE COMING FERN IS MY NEW NEPHROLEPIS

"ANNA FOSTER"

DELIVERY IN SEPTEMBER.

Orders booked now at **$25 per 100** for small plants. Larger plants, prices on application.

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FAXON'S "WHITE HOUSE" PANSIES.

The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.

In Trade Packets at $1.00 each.

M. B. FAXON,
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Correspondence solicited.

Dallas, Tex.

TRADE DOWN TO THE INACTIVE SUMMER LEVEL.—STOCK NONE TOO PLENTIFUL.—CANNAS IN FULL BLOOM.—VARIOUS NOTES OF LOCAL AND TRADE INTEREST.

Business is virtually at a standstill, little doing outside of school commencements and funeral work. The stores are making but little showing in the way of window display and the dull season is on in full force. Sweet peas are quite plentiful but carnations and roses are rather scarce. While outdoor stock is doing well, the ground is getting a little dry and a good rain would do much good. Roses and carnations in the fields are looking fine and prospects are good for nice stock for fall planting.

Cannas are blooming finely this season and many displays are to be seen in the parks and private estates. The canna lives out all winter with little or no protection. The fancy sorts such as Italia and Austria, are grand at this writing. Chas. Henderson is a great favorite here and is the best red for this climate, although President Cleveland is largely planted.

The street merchants are selling gardenias "three for a nickel," and nearly everyone you meet has one or more pinned on. There are lots of this flower sold here during the flowering season, and you can get all you want for 50 cents per hundred. There is one consolation, they will soon be a thing of the past for this season.

The planting at the City Park is up to its usual standard and gives great credit to the superinsendent, Mr. Dietz. There is a movement on foot for a large park, also for several more small parks, one for each ward. This is something Dallas is deficient in.

Several of the boys are contemplating attending the convention at Asheville in August, but nothing definite as yet. It will depend somewhat on the rates to be had. LONE STAR.

Washington.

Trade in general is good. Most of the florists are kept busy with commencement exercises, of which quite a number took place last week. Carnations are plentiful and of good size and color. Roses are not so plentiful. Home-grown American Beauties are rather light in color. There are some fine ones used from out of the city. Yuccas and hardy phloxes are coming in handy. A Gude & Brother had a number of decorations for commencement exercises, including Georgetown University, The National College of Pharmacy, National University and N. U. Law department, also for the Georgetown University Debating Society. P. G.

TROY, N. Y.—John H. Duke has a modern greenhouse at Sycaway. It is 20x100, divided into two sections by a partition. The house and heating apparatus were built by Lord & Burnham. Mr. Duke has 5,000 carnation plants in the field in fine shape.

NICKEL PLATE EXCURSIONS,

To Portland, Me., July 5th to 9th, inclusive.

To Providence, R. I., July 7 to 9, inclusive.

ONE FARE FOR ROUND TRIP.

By depositing tickets with agent terminal line, an extension can be obtained until August 15th returning. Write John Y. Calahan, General Agent, 111 Adams St., Chicago, for particulars. 27

Cannas, Roses, Palms, Etc.

CANNAS. Strong, 3-in. pot plants unless noted at $4.00 per 100.
Florence Vaughan, Italia, Queen Charlotte, Pres. Cleveland, J. D. Cahos, Sophia Buchner, Egandale, Burbank, Duke of Marlborough, Alsace, Robert Christie.
Martha Washington, at $6.00 per 100.

ROSES. A general assortment of Everblooming varieties, strong, 2-inch and 2½-inch pots, $2.50 per 100; $20.00 per 1000.

GERANIUMS. S. A. Nutt, Mme. Barney, Richelieu, La Favorite, John Doyle, Mme. Charles Molin and Beaute Poitevine, $30.00 per 100.

	Per 100
Marquis de Castellane	$6.00
Set of 4 New Beaunts for 60c.	
Set of 8 New Doubles for $1.50.	

In good assortment our choice of varieties, $27.50 per 1000.

	Per 100
PRIMULA FORBESI	$3.00
HELIOTROPES	2.00
SELAGINELLA Emmeliana	2.00
FUCHSIAS, in good assortment of varieties, 2½-in. pots	2.50
BEGONIAS—Vernon and Vulcan	2.50
LANTANAS in variety	2.50

PALMS.

Areca Lutescens, 2½-in. pots, $30.00 per 100	4.00
Areca Lutescens, 3-in. pots	8.00
Areca Lutescens, 4-in. pots., 3 plants in a pot	20.00
Kentia Belmoreana, 2½-in. pots	7.00
Kentia Belmoreana, 3-in. pots	15.00
Latania Borbonica, 2½-in. pots	3.00
Latania Borbonica, 3-in. pot, $40 per 1000	5.00
Pandanus Utilis, 2½-in. pots	5.00
Pandanus Utilis, 4-in. pots	15.00
Pandanus Veitchii, 4-in. pots, $6.00 per doz.	

The Storrs & Harrison Co.

PAINESVILLE, OHIO.

FOR SALE.

1800 Myrtle Plants

From 2½-inch pots, extra heavy stock, at **$3.00** per 100. **$25.00** per 1000. Rooted Cuttings from flats **$1.50** per 100; 2½-inch size. Planted out now will make nice stock for Winter Trade.
Unknown parties cash with the order.

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Please mention the American Florist when writing.

Imperial Violets.

Fine, strong plants, from 2-inch rose pots, $2.50 per 100; $22.50 per 1000.

CENTRAL MICHIGAN NURSERY,
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A NEW BOOK

"How to Make Money

GROWING VIOLETS"

by George Saltford 30 years' practical experience. PRICE, 25 and 50 cents, postpaid—Money order preferred. **VIOLET CULTURE CO.,**
61 Quincy Street, BROOKLYN, N. Y.

..Violet Plants..

Ready for immediate shipment.

Imperial	$2.75 per 100	$25.00 per 1000
Swanley White	2.75 per 100	25.00 per 1000
M. Louise	2.75 per 100	25.00 per 1000
Lady Campbell	2.50 per 100	22.50 per 1000

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CYCLAMEN

Persicum Splendens Giganteum. Finest strain in the world, in four true colors, well-grown plants, from 2½-inch pots $4.00 per 100; $35.00 per 1000. Extra selected, $5.00 per 100; $40.00 per 1000. Satisfaction guaranteed

PAUL MADER, East Stroudsburg Pa.

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YOUNG ROSE Stock

Cuttings from Grafted Plants.

3 inch Maids, Brides and Meteors, $5.00 per 100; $45.00 per 1000.
3½-inch Maids, Brides and Meteors, $6.00 per 100; $55.00 per 1000.

ADIANTUM GUNEATUM.

2½-inch pots, $2.75 per 100; $22.50 per 1000.
Cash with order. Send for sample.

The F. R. Williams Co.
CLEVELAND, OHIO.

Please mention the American Florist when writing.

Violet Plants

WELL ESTABLISHED		Per 100	1000
IMPERIAL	2¼-inch	$2.75	$25.00
MARIE LOUISE	"	2.75	25.00
FARQUHAR	"	2.75	25.00
SWANLEY WHITE	"	2.75	25.00
CAMPBELL	"	2.50	22.50

GRAND RAPIDS VIOLET CO.
GRAND RAPIDS, MICHIGAN.

GERANIUMS IN BLOOM.

Fine stocky plants 4-inch, $6.00 and $8.00 per 100; 3 inch, $5 per 100.
SALVIA, in bloom, 2½ and 3-inch, $4.00 per 100.
COLEUS, 2 in., $2 per 100; 3 inch $4 per 100.
ALTERNANTHERA, 2½-inch, $2.50 per 100.
ASPARAGUS SPRENGERI, 4-in. $12.50 per 100.
ROSE PLANTS, Brides, Bridesmaids, Meteors and Golden Gates, 2½ and 3-inch $3.50 per 100. 4-inch Kaiserin, $10.00 per 100. Cash or C. O. D.

W. J. & M. S. Vesey, Ft. Wayne, Ind.

Liberty Roses

1,500 2x2½-in. pots, ready to send out.

Write **GEO. A. KUHL, Pekin, Ill.**

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1,000 SPECIMENS, PYRAMIDS and STANDARDS. We are the largest importers in America.

BOXWOOD PYRAMIDS AND STANDARDS, globe and bush.

250,000 BOXWOOD EDGING.

KENTIAS

Belmoreana and Forsteriana,

Araucarias and Aspidistras

We have just received the largest shipment of Palms ever brought to U. S. Send for catalogue and special prices. We import **BULBS** in large quantities. Send us lists for quotations. When in New York City don't fail to visit our nurseries.

BOBBINK & ATKINS,
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Boston Ferns.

Fine plants, $25 per 100.

DRACÆNA INDIVISA, 6-inch, $6.00; 7-inch, $7.00 per doz ; 2 ft. up, extra fine.

KENTIAS, 6-in., $75 and $100 per 100.

20,000 GERANIUMS, 3½ and 4-in., in bud and bloom, $7 per 100, upwards. Nutt, Jaulin, Poitevine, Mt. Snow, La Favorite, etc., etc., and new ones—Jean Viaud, Jacquerie, Thos. Meehan, etc., etc., straight kinds.

COLEUS, Verschaffeltii, Golden Bedder and mixed, 2-in., at $30 per 1000; 3-in , $40.

Alternanthera, 3 kinds, $15 per 1000.

L. H. Foster, 45 King St , Dorchester, Mass.

100,000 SMILAX.

Strong plants from 2½-in. pots, ready for planting, $1.25 per 100; $10.00 per 1000; $75.00 per 5000.

Double Fringed Petunias.

If you want stock of Petunias forward us your order at once and secure a superb collection of ten novelties. Strong plants from 2½-inch pots, in bud and bloom, $1.25 per 100; $10.00 per 1000; 250 at 1000 rate. Cash.

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BARGAINS in Chrysanthemums and Fuchsias, named varieties, at $2.50 per 100.

Allamanda Williamsii	$4.00 per 100
Acalypha Sanderii	3.00 per 100
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All good 2½-inch plants.

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FOR WINTER FORCING.

All our 2½-inch stock has been shifted from 2-inch pots. Our rose plants are all grown for the trade (we do not grow cut flowers), and such plants we claim are well worth more money than ordinary surplus stock:

	2½-in. Per 100	3½-in. Per 100
AMERICAN BEAUTY	$6.00	$12.00
BRIDESMAID	3.50	8.00
GOLDEN GATE	3.50	8.00
KAISERIN	5.00	12.00
METEOR	3.50	8.00
PERLES	4.00	10.00
BRIDES	3.50	8.00
IVORY, White Golden Gate	12.50	20.00

MRS. OLIVER AMES, 4-inch per doz., $10.00.

BEDDING ROSES in large assortment, strong 2½-inch, per 100, $3.00.

CANNAS Strong 3-in. pot plants, per 100, $4.00.

Alemannia	Burbank
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Asparagus Plumosus, 2-inch pots, per 100, $4.00
" " 4-inch pots, per 100, $15.00.
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" " 3-inch pots, per 100, $6.00.
Smilax, per 100, $2.50.
Chrysanthemums, large assortment, $3 to $4 per 100.
Fern Balls in leaf, 7 to 9 inches, per doz., $6.00.
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Vaughan's Seed Store,

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WESTERN SPRINGS, ILL.

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5,000 plants, strong, from 2-inch pots at 2c—Chadwick, Robinson, Yanoma, Silver Wedding, Lady Fitzwygram, Golden Wedding, Appleton, 3c; Eaton, 3c.

...ROSES...

500 Brides from 4-inch pots, 6c.
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300 Brides from 3-inch pots, 4c.
500 Maids from 3-inch pots, 4c.

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Standard Varieties

White	Yellow	Pink
Fitzwygram	Maj. Bonnaffon	Glory of Pacific
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Mrs. Jerome Jones—rooted cuttings, $1.50 per 100.

From 2½-inch pots, $2.50 per 100.

Monrovia, earliest yellow
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Lavender Queen
Col. Appleton, yellow
} Rooted Cuttings, $2.50 per 100. From 2½-inch pots, $4 per 100.

Timothy Eaton, white
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Mrs. W. B. Chamberlain, pink
} Rooted Cuttings $3 per 100. From 2½-in. pots, $1.50

GEORGE HARRER, Morton Grove, Ill.

Rubber Plants

Strong young plants from 3-inch, $1.50 per doz ; $12.50 per 100.

Strong, branched, 5-in , $3.00 per doz.

HYDRANGEA OTAKSA, large 4-inch pots, $5.00 per 100.

All of the above are No 1 stock and just right to sell or shift and will be worth 3 times the money.

CINCINNATI FLORAL CO.
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'Dryden'

Geranium, the finest of all bedders, 3½-in. pots, $6.00 per 100; 2½-in., $4.00 per 100. Cash please.

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Chrysanthemum...

TIMOTHY EATON, well-rooted cuttings, $2.25 per 100. Sample 20 for 50 cts., express prepaid: Plants, $3.00 per 100, express not prepaid. All healthy and strong.

Aster Plants.

Queen of the Market, white, red, pink and mixed.

Florists' Upright Branching, outer petals recurved, center petals incurved, superb cut flower, pure white, daybreak pink, fiery scarlet and lavender.

Late Branching or Semple's, white, rose pink, lavender, red and mixed.

All the above are the best money makers for florists, strong, healthy plants, assorted to suit, 50c per 100, $4.00 per 1000. Express prepaid for cash with order.

DES MOINES PLANT CO.,
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'MUMS

We have a large stock of fine plants from 2½-inch pots, ready to ship on short notice. Our selection of standard varieties, $20.00 per 1000; $12.00 per 500. Write for prices on large orders. Following is a partial list. Send for complete list.

T. Eaton	$4.00	R. Halliday	$4.00
Nellie Pockett	8.00	Major Bonnaffon	3.00
Lady Roberts	8.00	Philadelphia	5.00
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Golden Beauty	8.00	Nagoya	3.00
Mrs. Chamberlain	8.00	M. de Montmort	3.00
Mme. F. Bergmann	3.00	Glory of the Pacific	3.00
Willowbrook	3.00	Lady Harriett	6.00
Merry Monarch	3.00	Maud Dean	4.00
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G. S Kalb	3.00	Geo. W. Childs	4.00
Ivory	3.00	Intensity	4.00
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'MUMS.

E. G. Hill, Modesto Yanoma, Bloodgood, Maud Dean, Robinson, Bonnaffon, Dailledouze, Ivory, Bigelow, $2 per 100; $15.00 per 1000.

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Chrysanthemums.

Strong rooted cuttings of EATON and APPLETON at $2.00 per 100. Other varieties will be offered for sale later.....

GEO. R. GEIGER, Nazareth, Pa.

THE KINNEY PUMP.

For applying liquid manure it has no equal. Sent prepaid for $2.00.

THE HOSE CONNECTION CO., Kingston, R. I.

Oil City, Pa.

TRADE REPORTED AS A GOOD INCREASE OVER LAST YEAR.—NEW RANGE OF HOUSES IN PROSPECT.—CARNATIONS THE PRINCIPAL CROP.

"A marked advance over that of last season." Such was the report obtained by your correspondent from W. M. Deyoe & Company. The tardy spring in no wise checked the sales of bedding stock. Everything sold well, the supply being about equal to the demand. Ground has been cleared and a range of five houses, the combined dimensions of which will be 76x100, will soon be in course of construction. This will make a handsome addition to their already extensive place. A new boiler of sufficient capacity to heat the entire range will be put in. Gas is the fuel used.

It is Mr. Deyoe's intention to devote most of his space to carnations, for besides his retail trade, he ships considerable stock to the wholesale market. They have over 15,000 plants in the field and they look clean and vigorous. Flora Hill, as grown here, is decidedly the best white. Its weakest point, the stem, has certainly improved in this soil. Marquis and Lawson are the leading and only pinks worth growing on the place and Crane is still the leader among scarlets.

NOMIS.

RUSHVILLE, ILL.—Miss Effie Pemberton is just starting in the flower and plant business here.

Geraniums

BEST RECENT INTRODUCTIONS. 2-inch pots, $3.00 per 100—200 Mme. Charotte, 125 Jean Viaud, 250 Mme. Landry.

STANDARD VARIETIES. $2.50 per 100—1000 Mars, 400 Marvel, 200 Mme. Buchner, 300 La Favorite, 250 Duc de Montemort, 150 Theo. Theulier, 100 Mme. Brunnt, 100 Pierre le Brun, 300 Wm. Pfitzer.

STRONG FRAME GROWN. 4-inch pots, $7.00 per 100—250 Duc de Montemort, 200 Mme. Jaulin, 500 Marvel, 1000 S. A. Nutt. From 3½-inch pots, $5.00 per 100—500 Mars, 200 America.

BEGONIA REX, best varieties in 2½ and 3-inch pots, $5.00 per 100.

FEATHER GRASS.

Excellent for bordering beds for tall growing plants.

PENNISETUM LONGISTYLUM, (White Plumed), 2½ and 3-inch pots, $2.50 per 100.

PENNISETUM RUPPELIANUM, (Purple Plumed), 2½-inch pots, $2.50 per 100.

SALVIA SPLENDENS, 300 $2.50 per 100.

Nathan Smith & Son, Adrain, Mich.

Please mention the American Florist when writing.

MEETING B. Y. P. U., PROVIDENCE, R. I.

The Nickel Plate Road will sell tickets July 7, 8 and 9 at one fare for round trip, with stopover at Niagara Falls and Chautauqua Lake if desired; also via New York City if preferred. For sleeping-car accommodations, call at City Ticket Office, 111 Adams St., or address John Y. Calahan, General Agent, Chicago. 23

CHEAP RATES TO NEW ENGLAND VIA NEW YORK CITY.

One fare for the round trip via Nickel Plate Road to Providence, R. I., and return, July 7, 8 and 9; final limit returning Aug. 15th. Three trains daily, with first-class modern equipment. Meals in dining cars at reasonable price. Going and returning via New York, if desired. Write John Y. Calahan, General Agent, 111 Adams St., Chicago, for particulars. 24

Plant and Rooted Cutting List

NOW READY FOR SHIPMENT.

ROOTED CUTTINGS.

	Per 100
Coleus, Red Verschaffeltii	$ .75
Geraniums, Mme. Pollock	1.50
" Happy Thought	1.50
English Ivy	1.00
Heliotrope	.60
Chrysanthemums	1.25

POT PLANTS.

	Per 100
Pteris Tremula, 2¼-inch	$1.50
Pteris Tremula, 2½ inch	2.25
Pteris Tremula, 3-inch	4.00
Roses, Ulrich Brunner, 2½-inch	3.00
Hydrangea Otaksa, for growing on, 4-inch	5.00
Hydrangea Otaksa, " " 5-inch	7.00
Hydrangea Otaksa, " " 6-inch	10.00
Hydrangea Otaksa, " " 7-inch	15.00

CHRYSANTHEMUMS W. H. Lincoln, Jerome Jones, Golden Wedding, Philadelphia, Ivory, Thornden, Pres. Smith, Minnie Wanamaker, Louis Boehmer, Maud Dean, Viviand-Morel, Major Bonnaffon, G. W. Childs, Mme. Bergmann, Glory of Pacific, J. G. Whilldin. Rooted cuttings, grand stuff, $1.25 per 100; $10.00 per 1000.

☞ All the above sold on the positive guarantee of their being first-class, if not, your money at once refunded.

Having to rebuild our greenhouses this season the following stock is in our way at the start. If you want any speak quick: Asparagus Plumosus, 3-year, from bed fine clumps, $18.00 per 100. Kentias, 2½-inch, very fine, $5.00 per 100. Roses—Ulrich Brunner and Paul Neyron, 2-year-old, from boxes, own roots, $8.00 per 100. Kentia Seedlings, from flats, 1-year, $3.50 per 100. Geranium Mrs. Pollock and Happy Thought, 1 and 2-year stock, plants from bench, $6.00 per 100. Cannas, 4-year-old, $5.00 100. Steel Wire Stakes, galvanized, No. 8 wire, 3 feet, used one season, $5.50 per 1000.

JOHN IRVINE & SONS, Bay City, Mich.

ARECA LUTESCENS, per doz.—2½-inch, 75c; 3 $1; 3½, $2; 4, $3.
KENTIA BELMOREANA, doz.—2½-in., $1.50; 3, $2; 3½, $3; 4, $3.60.
KENTIA FORSTERIANA, per doz.—2½-in., $1.50; 3-in., $2; 3½-in., $3; 4-in., $4.
LATANIA BORBONICA, per doz.—2½-in., 60c; 3-in., $1; 6-in., $7.20; 7 in., $10; 8-in., strong, $18.
PANDANUS VEITCHII, per doz.—5-in., $12; 6-in., $18; 7, $30; 8, $42.
NEPHROLEPIS BOSTONIENSIS, per 100—2-in., $4; 3-in., $8. Per doz.—5-in., $3; 7-in., $9; 8-in., $12; 9-in., $18; 10-in., $24.
ASPARAGUS PLUMOSUS NANUS, 2-in., $4 per 100; 3 in., $8 per 100.
ASPARAGUS SPRENGERI, per 100—2-in., $3; 3-in., $8; 4-in., $12; 5-in., $15.
ARAUCARIA EXCELSA, 4-in., $6 per doz.
FERNS FOR DISHES, Etc., $3 per 100.
FERN BALLS, well furnished with leaves, $3 to $5 per doz.

The GEO. WITTBOLD CO.

1657 Buckingham Pl., Chicago.

COLEUS.

	Per 100
300 Verschaffeltii out of 2½-inch pots, good stocky plants, 300 for $7.00	$2.50
400 R. C. Coleus Verschaffeltii	.50
Mixed varieties out of 2-inch pots	1.50

CANNAS.

Austria, C. de Bouchard, Q. Charlotte, Allemania, L. Vaughan, Souv. de A. Crozy, M. Berat, F. Bismarck, F. Vaughan, Italia and Burbank out of pots at $5.00 per 100. Mixed varieties at $4.00 per 100.

	Per 100
Vincas, trailing, 4-inch pots, long runners.	$10.00
Swainsona, Alba and Rosea, 2-inch	2.50
Umbrella Plants, 2-inch	2.00
Asparagus Sprengeri, 2-inch	2.00
Lophospermum, 2-inch	1.50

Cash or satisfactory reference with order.

GEO. L. MILLER, Newark, Ohio.

Please mention the American Florist when writing.

Surplus Stock at a BARGAIN

	Per 100
25,000 Asparagus Sprengeri, 3 inch pots	$3.00
500 Kentia Belmoreana, 3-inch pots	10.00
1,500 Kentia Forsteriana, 3-inch pots	10.00
1,500 Kentias, from boxes	8.00
1,000 Latanias, 3-inch pots	5.00

20 Ficus Elastica, 8-inch pots, 5 to 6 feet, at $1.25 each.

Also a fine lot of Standard Sorts of Chrysanthemums, strong plants in 2½ and 3-inch pots; prices on application.

Brides, Maids, Golden Gates, Meteors, Perles and Mme. Hoste, 2½-inch pots, at $3.00 per 100.

WALKER & McLEAN, YOUNGSTOWN, OHIO.

'MUMS! ROSES! SPECIAL!

Col. Appleton, 2½-inch, $20.00 per 1000; rooted cutting, $15.00 per 1000. Maj. Bonnaffon, 2½-in., $18.00 per 1000; rooted cuttings, $11.00 per 1000. Our selection in proper proportion of color, 2½-inch, $20 per 1000; rooted cuttings, $12.00 per 1000.

100,000 2½ and 3-inch Maids, Brides, Gates and Meteors. 25,000 2½-inch Stevia and rooted cuttings, $20 and $12 per 1000.

Printed price list furnished on application.

Poehlmann Bros. Co., Morton Grove and Chicago, Ill.

Please mention the American Florist when writing.

Choice Ferns,

From flats, strong plants, $10 per 1000. Sample 100 mailed $1.25.

8 to 10 best market sorts for jardinieres or pots, in lath sash, full sun, quite hard, in 2¼-inch pots, fit to shift, $3 per 100; $25 per 1000.

LOMARIA GIBBA, best small tree fern, for 5 or 6-inch pots, 2¼ inch, $2.50 per 100; $20 per 1000.

LYGODIUM SCANDENS, fine for cutting, on strings, like Smilax, 2¼-inch, $2.50 per 100; $20.00 per 100.

NEPHROLEPIS PHILIPPENSIS, extra fine, 2½-in., $3.00 per 100.

CLEMATIS PANICULATA, 4-in., fine, $4.00 per 100.

CLEMATIS PANICULATA, 100 strong seedlings, mailed for $1.00.

JOHN H. LEY, Good Hope, Washington, D. C.

ASPARAGUS.

	Per 100
Sprengeri, 2-in. pots	$2.00
Plumosus, 2-in. pots, ready June 15	3.50
Smilax, 2-in pots	1.50
Geraniums, to close out, mixed	2.00
PRIMROSES, CHINESE, OBCONICA and FORBESI, ready July 1st	2.00

CASH OR C. O. D.

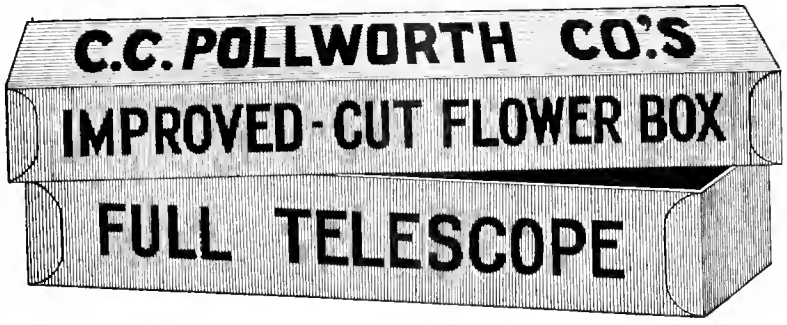
JOS. H. CUNNINGHAM, Delaware, O.

Orchids!

Arrived in fine condition: Cattleya labiata, C. Skinneri, C. Dowiana, Oncidium varicosum Rogersii and Peristeria elata; also a fine lot of Anthurium Scherzerianum. Write for our illustrated, descriptive catalogue of orchids. Special list of freshly imported unestablished Orchids, just ready. Write for a copy.

LAGER & HURRELL, SUMMIT, N. J.

Orchid Growers and Importers.



WHEN IN NEED OF

BOXES

Try our improved folding box, with superior white finish and improved corner lock.

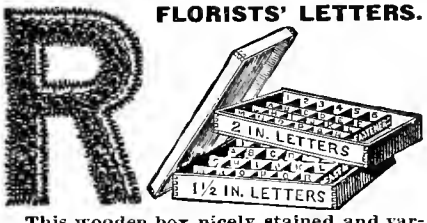
Samples free on application. No charge for printing in 500 lots or over.

C. C. Pollworth Co., Milwaukee, Wis.

Boston Florist Letter Co.

MANUFACTURERS OF

FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1½ or 2-inch size, per 100, $2.00.
Script Letters, $4. Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager,
84 Hawley St., BOSTON, MASS.

GERANIUMS!

About 2,000 Assorted Colors, 3 1-2-inch pots, $4 per 100, while they last. Cash with order. The

LIVINGSTON SEED CO.
COLUMBUS, OHIO.

Geraniums

Jean Viaud strong, 2½-inch, $25.00 per 1000.
S. A. Nutt, etc., strong, 2½-inch, $20.00 per 1000.
S. A. Nutt, etc., 4-inch, $5.00 per 100.
ASPARAGUS PLUMOSUS, fine 2½-inch, $5 per 100.
SMALL FERNS, for dishes, fine, 2½-inch, 4 varieties, $3.00 per 100.
ASPARAGUS SPRENGERI, strong, 2½-inch, $2.50 per 100.
HELIOTROPE, strong, bushy 4-inch, $5.00 per 100.
CHRYSANTHEMUMS, 20 varieties, fine, 2½-inch, $25.00 per 1000
CANNAS, strong, Chas. Henderson, 4-inch, $4.00 per 100.
CALADIUMS, strong, 4-inch, $4.00 per 100.
VIOLETS, Marie Louise, 2-inch, $2.00 per 100.

Carl Hagenburger, West Mentor, O.

Pansy Seed.

The Jennings Strain.

Will be ready July 1st. STOCK THE FINEST.
E. B. JENNINGS, Lock Box 254, Southport, Conn.
Grower of the Finest Pansies.

ESTABLISHED 1866 **EMIL STEFFENS** SUCC.TO N. STEFFENS AND STEFFENS BROS

MANUFACTURER OF

FLORISTS' WIRE DESIGNS & SUPPLIES

335 EAST 21ST ST. NEW YORK CITY.

"BLACK DEATH" (POWDER) TO EAT THEREOF IS TO DIE.

BUG KILLER and FERTILIZER. Three years of unprecedented success wherever introduced all over the United States has proved "BLACK DEATH" to be a cheap and absolute annihilator of all insects, bugs or beetles that prey on vegetation, foliage and flowers. See what Peter Reinberg said in this paper, Feb. 8. Other strong indorsements sent on receipt of postal card.

Western Sales Agency, 235 Franklin St., Chicago.
HANDLED BY SEEDSMEN. **S. D. STRYKER, Agent.**

TO KILL ALL

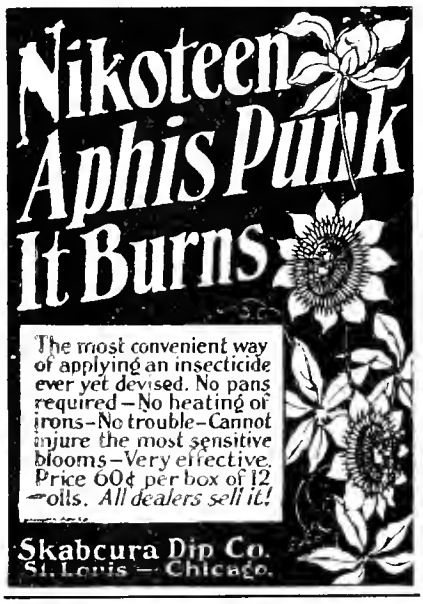
Greenhouse Bugs

USE

"NICOTICIDE"

Clean and harmless as **Fumigant** or **Spray**. Ask your seedsman for it or write to

The Tobacco Warehousing and Trading Co.,
1000 Magnolia Ave., - Louisville, Ky



GALVANIZED WIRE—AT BARGAIN PRICES.

Fifty car loads of new galvanized wire, in short lengths. Never was used. Comes from 6 to 1 gauge. Put up 100 lbs. to a coil and only one size wire to each bundle.

Prices range from $1.40 to $1.90 per 100 pounds.
Our Free Catalogue No. for the asking. We handle all kinds of supplies from Sheriff's and Receiver's Sale.
Chicago House Wrecking Co.
West 35th and Iron Sts., Chicago.

ASPARAGUS PLUMOSUS

4-inch strong, $10.00 per 100.
SMILAX, 2-inch, strong, $1.50 per 100.
BONE MEAL. Best in the market for Florists' use, $3.50 per 200 lb. bag.

ALBERT M. HERR, Lancaster, Pa.

WE NOW OFFER

"Chemicals"

for making **LIQUID COMPOST.**

Dry powders all soluble in water. Composts cost less than ½c per gal. Correspondence invited.

EASTERN CHEMICAL COMPANY,
620 Atlantic Ave., Boston.

PROVIDENCE, R. I., AND RETURN, $18.90.

On account of the B. Y. P. U. meeting at Providence, the Wabash will sell excursion tickets from Chicago as above July 7, 8 and 9, via Niagara Falls. Return limit, Aug. 15. Write for B. Y. P. U. illustrated folder containing maps and full information. City Ticket Office, 97 Adams St., Chicago.

Lowell, Mass.

BUSINESS WELL MAINTAINED ON WEDDING AND SCHOOL ORDERS. — SUPPLY VERY LARGE. — DEPARTMENT STORE GETS CHEAP CARNATIONS.—NOTES OF A VARIETY OF PERSONAL DOINGS.

Trade continues to hold up remarkably well with an extra spurt now and then, although funeral work is not coming in as fast as it was a while ago. Supply is more than enough to meet the demands. Auratums have made their appearance and fill the bill since longiflorums are on the wane. Smilax is about the only green that is short in supply, for a very large amount has been used the past two weeks for weddings.

The florists of this city will follow the rule of last year and close their stores every Thursday at noon during the month of July and August. It has been rumored that a base ball team will be organized to play on that afternoon.

A grower of carnations not many miles from Lowell, and who makes this his market during the winter, furnished the Bon Marche with 15,000 carnations last Saturday for 25 cents per hundred.

This has been a very busy season for the plantsmen; some of them say it goes ahead of last year. Harvey Green has just finished delivering his contract for plants to the city.

C. L. Marshall, who is located next to the Union National Bank, has moved into temporary quarters, to make room for the bank people, who are remodeling their building.

John W. Parker, assistant superintendent at the Edson Cemetery, has resigned to return to his old position as foreman with J. J. McManamon, at Brookside.

Thomas Waterworth has returned to town after being away several months on the estate of F. W. Ayer.

Geo. W. Patten left last Monday for Vermont, on a fishing and hunting trip.

A. M.

DOVER, DEL.—The Dover Nurseries have been sold to Harry C. Walker.

KIFT'S Patent ADJUSTABLE VASE HOLDER

No. 1.—Brass, nickel, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) $2 25. Price complete (with green or white cornucopia vases) $2.50. No. 2.—Heavy 4 ft. rod, brassed and nickeled, with three clasps for 5 to 6-inch pots, each $1.75.

KIFT'S PATENT Rubber Capped FLOWER TUBES, 1½-inch diameter, per 100, $3.50.

JOSEPH KIFT & SON, 1725 Chestnut St., Phila., Pa.

GARDENING

This is the paper to recommend to your customers, the leading horticultural journal in America for amateurs ....

$2.00 Per Year. Sample Copies Free.

Liberal terms to florists who take subscriptions.

THE GARDENING CO. MONON BUILDING, Chicago, Ill., U.S.A.

EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS

WRITE FOR ILLUSTRATED CATALOGUE

QUAKER CITY MACHINE WORKS, RICHMOND, IND.

Please mention the American Florist when writing.

FOURTH OF JULY

rates via Nickel Plate Road. One fare for the round trip, July 3rd and 4th, within 200 miles of starting point. Return limit July 7th. Write John Y. Calahan, General Agent, 111 Adams St., Chicago, for particulars. 20

Now Come June Weddings and School Commencements. Are you prepared for same? Look over your stock, and send us your orders. We can promptly fill them from our LARGE STOCK OF UP-TO-DATE SUPPLIES. We give exceptionally good value in all lines. Catalogue for the asking.

Leading Florists' Supply House.

M. RICE & CO., Importers and Manufacturers

918 Filbert St., Philadelphia, Pa.

OUR NEW FOLDING

Cut Flower Box

IS A PERFECT GEM. SEND FOR SAMPLE.

HOLTON & HUNKEL CO.

MILWAUKEE, WIS.

"Fumigation Methods"

BY PROF. JOHNSON.

Every Grower needs this book..... Price $1.00

AMERICAN FLORIST COMPANY,

324 Dearborn Street, ...CHICAGO.

INSECTS

KEEP STOCK FREE FROM RED SPIDER, APHIS, And all other Insects with SULPHO-TOBACCO SOAP. (PATENTED.)

Cheap, Effective and Non-Injurious.

Satisfactory results guaranteed. Sold by Seedsmen. Sample cake, making 11-2 gallons easily prepared solution, mailed for 10 cents. Full particulars and special offer free.

LARKIN SOAP CO., Buffalo, N. Y.

KILLED

Fresh Tobacco Stems.

Bales of 300 pounds, $1.50.

CASH WITH ORDER.

W. C. BECKERT, Allegheny, Pa.

TIN FOIL

Plain, Fancy, Printed & Mounted.

Manufactured by

The Conley Foil Co.

521 to 541 West 25th St., NEW YORK.

A. HERRMANN,

Cape Flowers, ALL COLORS; Cycas Leaves, Metal Designs, AND All Florists' Supplies.

Send for Prices.

404-412 West 24th St., NEW YORK.

The Horticultural Trade Journal

THE LARGEST, BRIGHTEST AND BEST

Horticultural Trade paper in the British Isles. It contains MORE ADVERTISEMENTS, MORE ILLUSTRATIONS and MORE NEWS than any of its contemporaries. Read by the whole of the British trade and all the best European houses every week. Annual subscription, 75 cents. Specimen copy post free. Published weekly.

Horticultural Trade Journal Co., Padiham, Lancs., Eng.

Sigmund Geller

Importer and Manufacturer of

FLORISTS' SUPPLIES

Complete Stock—New Goods—New Illustrated Catalogue Now Ready. Send for it.

108 W. 28th St., near 6th Ave., NEW YORK.

American Florist Ads. always do business,
Every day in the week, all over the country,
At Home and Abroad.

NEXT! HOW ABOUT GRADUATIONS?

School children by tens of thousands will graduate in June and every one will want a

COMMENCEMENT BASKET

We have them to suit all tastes and all pockets; new styles and fancy material. Put a collection of them on view and they will sell themselves. There are sure to be some

WEDDINGS IN JUNE

Write Us For List

and Low Prices of outfit to complete a Wedding Decoration in Modern Style.
YOUR CUSTOMERS WILL BACK YOU UP.

H. BAYERSDORFER & CO.,

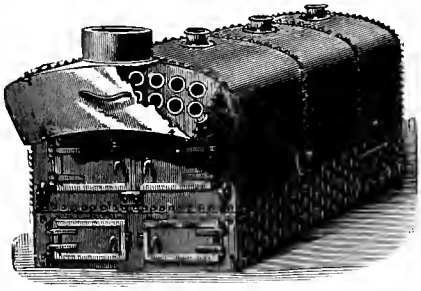
Manufacturers of and Dealers in Florists' Supplies of Every Description.

Most Extensive Stock on the Continent. 50-56 N. 4th St., PHILADELPHIA, PA.

KROESCHELL BROS. CO.
IMPROVED

Greenhouse Boiler,

45 Erie St., CHICAGO.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

IRON RESERVOIR VASES AND Lawn Settees

Manufactured by

McDonald Bros.
COLUMBUS, O.

The Largest Manufacturers of these Goods in America.

Send for Catalogue.....

LUMBER AT HALF PRICES.

WE PURCHASED THE PAN-AMERICAN EXPOSITION
SEND US YOUR LUMBER BILL FOR OUR ESTIMATE.

Pipe, Machinery and Building Supplies in General.

FREE CATALOGUES ON APPLICATION.
CHICAGO HOUSE WRECKING CO.,
PAN-AMERICAN, DEPARTMENT 6. BUFFALO, NEW YORK.

Boilers

OF HIGH GRADE..

For GREENHOUSES.

See Our Catalogue.....

Steam and Hot Water. **Giblin & Co., Utica, N. Y.**

New Twin Section Boiler.

Clear Gulf CYPRESS GREENHOUSE MATERIAL.

Glass AND Boilers

S. JACOBS & SONS, 1366 to 1373 Flushing Ave., BROOKLYN, N. Y.

Estimates furnished for Erecting.

Send 4 cts. for Boiler Catalogue.

GET OUR PRICES BEFORE ORDERING.

GREENHOUSE MATERIAL.

Cal. Red Cedar and La. Cypress.

BEST GRADES. PERFECT WORKMANSHIP.

Write for Catalogue and Estimates.

A. Dietsch & Co. 615-621 Sheffield Ave. Chicago, Ill.

GEO. M. GARLAND,
IRON GUTTERS AND POSTS

Testimonials from leading growers.
Send for Catalogue.
GEO. M. GARLAND, Des Plaines, Ill.

JOHN C. MONINGER CO., CHICAGO, SELLING AGENTS.

Please mention the American Florist when writing

GOOD A GENERATION AGO!
Good Today! Good Always!

The WEATHERED BOILER

and the principles on which it is constructed have stood the test of years. If you want a reliable heater, there are none as good as the WEATHERED. Endorsed by hundreds of Florists. Send for descriptive list.

Thos. W. Weathered's Sons,
56 MARION ST., NEW YORK CITY.

The Standard

The lightest running, most rapid and powerful ventilating machinery in the market.

Duplex Gutters,

Made of wrought or cast iron with self adjusting sash bar clips. The only Drip Proof Metal Gutter offered to the Public. Send for my catalogue free.

E. Hippard,
Youngstown, O.

Los Angeles.

TRADE FAIRLY ACTIVE FOR THE SEASON.—BUSINESS CHANGES GOING ON.—TRADE ASSOCIATION ELECTS NEW OFFICERS.—PERSONAL DOINGS AND OTHER NOTES.

Business continues fairly good and there is always something doing to consume a large supply of flowers. As the dull season approaches some of the growers are making material changes. F. Ed. Gray, of the Ingleside Nurseries, is removing all his greenhouses from Alhambra to Main and Adams streets, this city. Captain Gray has found it very inconvenient and expensive to grow his decorative plants and cut flowers under glass ten miles away from the store and will save the expense and damage to plants of a twenty mile drive for every decoration by this location.

Miss Ethel Lord has disposed of her remaining interest in the business at 440 South Broadway to Hugh Evans and will hereafter devote her entire attention to growing plants and cut flowers at her Elysian Gardens. Mr. Evans has purchased the entire stock of the Meserve Nursery, at 635 Broadway, and has removed the plants to 440 Broadway, where he now has his space filled to overflowing.

At the last meeting of the Los Angeles Florists' and Nurserymen's Association the following officers were elected: President, A. Campbell Johnson; vice-president, L. P. Edlefson; secretary, John E. Dey; treasurer, Jacob Dietrich; executive committee, Miss Reese, Mrs. R. F. Whittlesey, Miss Lord, John Dey and E. F. Rust.

W. A. Peschelt, the landscape gardener and florist, has gone to San Francisco to spend several months.

Morris Goldenson is highly pleased with the business he is doing in his new location.

D. R. Woods is on a long business trip in the east. D. R. W.

CYPRESS

Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO., LOCKLAND, OHIO.

Please mention the American Florist when writing.

LOW RATES TO ATLANTIC COAST POINTS.

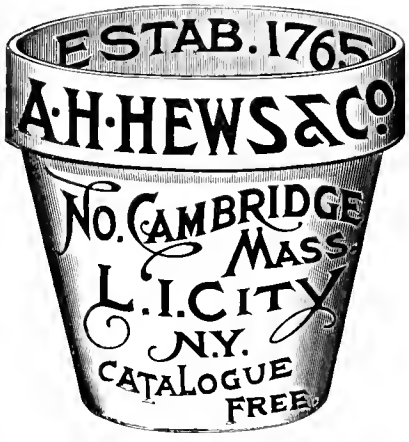
July 5 to 9, inclusive, the Nickel Plate Road will sell tickets to Portland, Me., and return, at one fare for the round trip. It will be to your interest to obtain rates via that road before purchasing elsewhere. Three daily trains. Write John Y. Calahan, General Agent, 111 Adams St., Chicago. 26

AWARDED THE ONLY FIRST CLASS CERTIFICATE OF MERIT BY THE SOCIETY OF AMERICAN FLORISTS AT BOSTON MASS AUG 21ST 1890 FOR STANDARD FLOWER POTS.

WHILLDIN POTTERY CO.

JERSEY CITY LONG ISLAND CITY PHILADELPHIA

Traveling Representative, U. CUTLER RYERSON, 108 Third Ave., NEWARK, N. J.



Standard Flower... POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.....

W. H. ERNEST, 28th and M Streets, WASHINGTON, D. C.

GEO. KELLER & SON, MANUFACTURERS OF FLOWER POTS. Before buying write for prices. 361-363 Herndon Street, near Wrightwood Ave., CHICAGO, ILL.

Please mention the American Florist when writing.

FLOWER POTS ALL KINDS. STANDARD POTS A SPECIALTY. List and SAMPLES FREE. SWAHN'S POTTERY MF'G CO., P. O. Box 78. MINNEAPOLIS, MINN.

Please mention the American Florist when writing

WRITE A. F. KOHR, 1521-23 N. LEAVITT ST., CHICAGO, ILL., FOR PRICES OF Standard Pots which for strength and porosity combined are the best on the market.

THOSE RED POTS "STANDARDS" FULL SIZE AND WIDE BOTTOMS. BULB PANS AND AZALEA POTS. DETROIT FLOWER POT M'F'Y, HARRY BALSLEY, Rep. DETROIT, MICH., 490 Howard St.

Please mention the American Florist when writing.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

Pots	Price per crate		Pots	Price per crate	
1500	2-in., in crate,	$4.88	120	7 in., in crate,	$4.20
1500	2¼ "	5.25	60	8 "	3.00
1500	2½ "	6.00	48	9 "	3.60
1000	3 "	5.00	48	10 "	4.80
800	3½ "	5.80	24	11 "	3.60
500	4 "	4.50	24	12 "	4.80
320	5 "	4 51	12	14 "	4.80
144	6 "	3.16	6	16 "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers. Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.

MILFINGER BROS' POTTERY, FORT EDWARD, N. Y. OR ... AUGUST ROLKER & SONS, New York Agents, 31 BARCLAY ST., NEW YORK CITY.

Adjustable Plant Stands

THE BEST ON THE MARKET.

1 Stand $1.50; 3 Stands $4.00; 6 Stands $7 50; 12 Stands $14.00.

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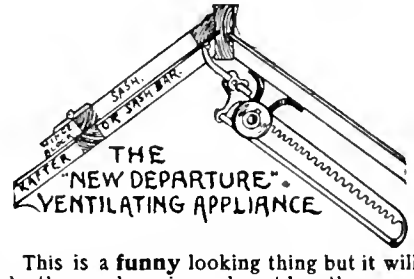

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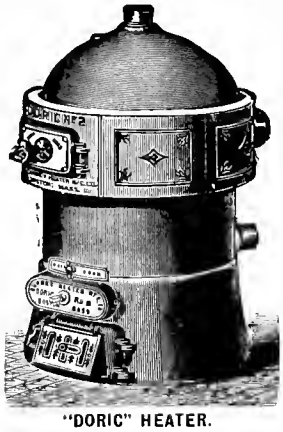
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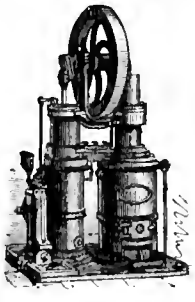

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Vol. XVIII. **CHICAGO AND NEW YORK, JUNE 28, 1902.** **No. 734.**

THE AMERICAN FLORIST

SEVENTEENTH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—JOHN BURTON, Philadelphia, Pa., presiden J. W. C. DEAKE, Asheville, N. C., vice-president, WM. J. STEWART, 79 Milk Street, Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa.; treasurer. The eighteenth annual meeting will be held at Asheville, N. C., August, 19-22, 1902.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Brooklyn, N. Y., February, 1903. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Asheville, N. C., August, 1902. Edwin Lonsdale, Chestnut Hill, Pa., Sec'y.

AMERICAN ROSE SOCIETY.

Annual meeting at call of executive committee, LEONARD BARRON, 136 Liberty St., New York, secretary.

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Notes on Fern Growing.

The present is a time of action among plants in general and the ferns are no exception to the rule, for while we find some few ferns that will continue to grow with more or less rapidity throughout the year under favorable conditions, yet the special season for growth in most cases is during the spring and summer. Comparatively few florists grow specimen ferns, with the possible exception of that universal favorite, the Boston fern, but this condition will not always prevail, for with the growth of the conservatory habit among our wealthy people there will gradually arise a greater demand for specimen plants in general and the quiet loveliness of the ferns will appeal to the more cultured taste of the plant-loving public.

That this fact is becoming more apparent is evidenced by the great interest taken in the displays of specimen ferns that are seen at some of our exhibitions of late years and also in the demand that has been created for ferns of larger sizes in the chief cities of our country. The general public must be shown improved plants, just as they have been shown improved flowers, if the florist desires to create a market for such stock, and one of the ways to bring these matters before the public is through the medium of the local exhibition, a method that is admitted to be a good way of advertising at low cost. Some magnificent Boston ferns have been shown by various growers within the past five years, and the easy culture and rapidity of growth that has been proved in the case of this variety may readily be duplicated with some other species.

There was an idea prevalent among growers at one time that in order to grow any fern one had to have a carefully compounded soil of which peat was the foundation, and that to apply stable manure to the roots of a fern was rank heresy, but we grow wiser as the years roll by, and we now discover that these fine Boston ferns, specimen adiantums of several species, and a number of others make the best of progress in just about the same compost that we may grow our show chrysanthemums in. Adiantum Farleyense is another fern in the culture of which there has been somewhat of a revolution, or rather in regard to which there has been a wider dissemination of knowledge of late years, for the approved method of growing this fern in pure loam with a goodly quantity of manure was practiced by a few growers fully twenty years ago, and with just as good results. The chief points in the successful culture of this most beautiful fern are to keep it moving during the growing season, to give it enough to feed upon, to ventilate freely but carefully so as to avoid direct drafts, and to use a little judgment in watering the freshly potted plants. If these points are observed there is no great difficulty in growing a well furnished plant in a 10 inch pan from a young plant in a 2½ inch pot within a year, a sufficiently profitable operation if one has a market for plants of that character.

Another fern that has displayed its merits to the trade of late years is Cibotium Schiedei, one of the most graceful of the tree ferns, and one that shows its beauty to some extent by the time it is established in a 6-inch pot, and from that time forward is indeed a thing of beauty, whether it be in the florist's window or in the window of his customer, it being a good fern for house purposes.

Other tree ferns will doubtless be taken up by some of our enterprising growers as the probability of a market for them is seen, and some of the dicksonias are among the most likely subjects for experiment, the species of this genus usually possessing fronds of much substance and likely to prove durable under adverse conditions. There may be a possibility of profit in Woodwardia radicans, a cool house fern of strong growth and elegant habit, and having much-divided fronds of good substance. Another advantage in the woodwardia in question is the fact that propagation would be easier than in the case of some of the tree ferns, for this fern not only produces spores but is also to some extent viviparous, young plants frequently appearing quite thickly near the ends of the long drooping fronds.

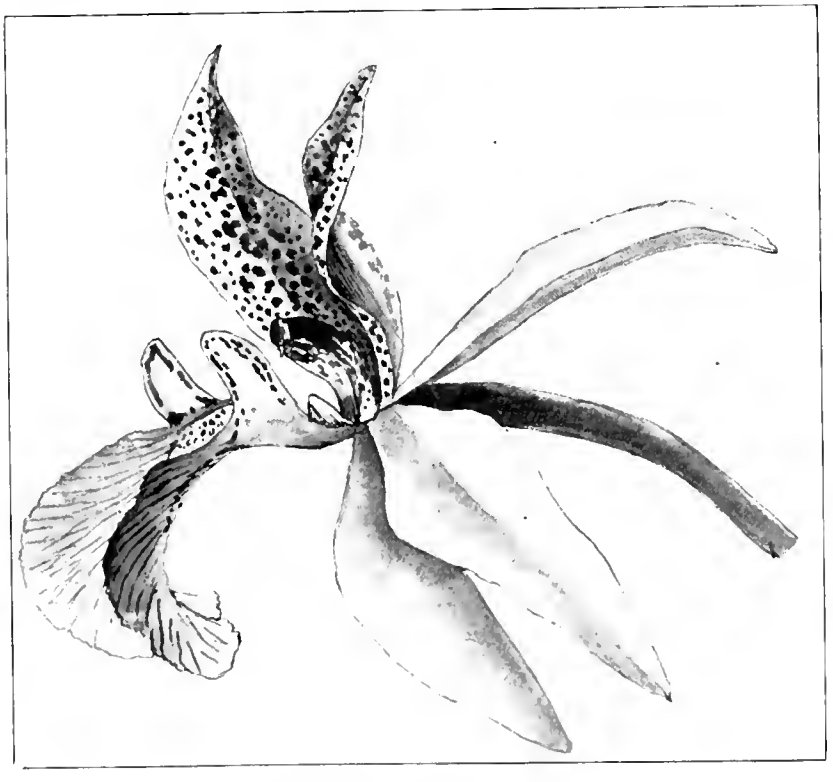
Cyrtomium falcatum is also a cool house fern that has been used in large quantities in the past for table ferneries, seedling plants in 2 inch and 3-inch pots being used for this purpose, but this being a fern of strong and rapid growth and also evergreen, may be readily gotten up into larger sizes and quite attractive and salable plants by potting up two or three of the small plants together in a 5-inch or 6 inch pot, just as one may do with small plants of the Boston fern late in the season.

Those intending to grow Adiantum cuneatum for cutting from next winter should not now delay planting out the young stock, for not only do these young

plants suffer from starvation when neglected in small pots, but there is also the loss of valuable time if the planting out be postponed. The planting and treatment of this fern were considered only a few weeks ago in these columns, and it is not therefore necessary to refer to it in detail at this time, but it may be remarked that while the plants are still small and do not cover the bench to any great extent some weeding and cultivating with a hand weeder may be required, but after the plants are well started it is best to stir the surface of the soil but little, many of the young roots being quite near the surface and likely to be disturbed by careless stirring of the soil. It is also quite an easy matter to perpetuate the stock from an established bench of Adiantum cuneatum, the spores falling on the soil beneath the plants and germinating freely, from whence they may be pricked out into pans or flats as soon as the seedlings are large enough to be handled.

The Boston fern and its various sports or variations will be planted out on the benches in many establishments in greater numbers than ever, this being one of the easiest methods of handling this easy subject and producing large and handsome plants in a short time, but there is a somewhat mistaken idea that is sometimes met with to the effect that a Boston fern that is lifted from a bed will become established in a pot or pan in a week or two. Such a plant may have the appearance of being established, but it is not quite a square deal toward our friend, the retail florist, to send him such stock, for these recently lifted plants often fail in the hands of his customers in the course of a week or two, and in consequence the well-earned reputation of this fine plant may be torn to flinders in that particular locality.

The seedling fern business is largely in the hands of a few specialists nowadays, but there are still some growers and retailers who prefer to sow for themselves, and those who did so during the past winter should now have some stock that is ready for potting off, and the sooner that operation is performed the better. And in connection with the potting of these seedling ferns the suggestion may be offered that it is best not to expose these delicate young growths to the air any longer than is absolutely necessary, to water them in at once after potting and also to protect the young plants from the sun and from drafts until they become established. And unless it may be in the case of some specially choice species that one is desirous of having in single plants it is preferable to pot up the seedling ferns in clusters, thus gaining bushy plants quickly. Those of limited experience in fern culture sometimes fail to understand how readily these dust-like seeds may become mixed, and thus may find fault with their source of supply, when a few minutes' observation would soon prove to them how easy it is for such seeds to be blown from one plant to another or to be carried from one greenhouse to another on the clothing of those employed there or passing through. An example may be cited as follows: In a certain range of houses under my observation no ferns had ever been cultivated, and yet within three years from the time these houses were built I counted no less than twenty-six species of ferns growing in one of them, the spores having been carried from other houses on the clothing of those passing through. W. H. TAPLIN.



CYMBIDIUM RHODOCHEILUM.

(A new species, never before figured botanically in any journal.)

AMELIA, O.—Charles Pommert hopes to see a great many florists at his place the day of the July meeting of the Cincinnati Florists' Society there. He promises a good time to all who can attend.

The Dutch Horticultural Society.

At the meeting of the Dutch Horticultural Society, Overveen, near Haarlem, on May 14, the floral committee awarded first-class certificates to Odontoglossum Hunnewellianum var. nigrum as a rare plant, exhibited by W. C. Baron Van Boetzelaer, Maartensdijk; to Odontoglossum cirrosum, from H. C. Hacke, Baarn. Awards of merit were made to Oncidium Marshallianum and Cattleya Mendellii from H. Hornsveld, Baarn; to Primula elatior Zwijndrecht's Gloire as a new plant from Van Namen Bros., Zwijndrecht. Honorable mention was given to Odontoglossum Rossii aspersum from H. C. Hacke, Baarn; to Odontoglossum crispum from C. J. Vrikkert, Haarlem. A silver gilt medal was awarded to a fine collection of odontoglossums from J. H. Van Vloten, Haarlem. A silver medal went to C. J. Vrikkert, Haarlem, for a collection of orchids. Bronze medals were awarded to the collections of orchids grown in different materials, from J. H. Van Vloten, W. C. Baron Van Boetzelaer, H. Hornsveld, J. C. Ballego and C. J. Vrikkert. The committee could not determine which material was the best since all were a success.

A Remarkable Cymbidium.

For many years past there has been talk in orchid circles of a scarlet-lipped cymbidium which grew somewhere in the swamps of Madagascar and which had cost the lives of more than one intrepid collector in search of it. When in June, 1892, a plant under the name of Cymbidium Loise Chanvieri was shown in London, and secured a botanical certificate it was mistakenly thought the "scarlet" cymbidium had arrived. It had been discovered by Leon Humblot, in Madagascar, but there was nothing scarlet whatever about its flowers. These were of a yellowish green, with black spots on the petals and blotches of a similar color on the three-lobed, wrinkled lip, the whole flower reminding one forcibly of Cœlogyne pandurata owing to the peculiarity of its coloring and markings.

The new cymbidium, however, now under notice is a quite distinct plant. It has been named C. rhodocheilum by Mr. Rolfe, of Kew, and now that it has flowered for the first time in cultivation in that establishment, it is unanimously admitted to be one of the most remarkable cymbidiums in cultivation. It has oblong, conical pseudo-bulbs, more or less compressed and about six inches in length. The leathery leaves are two to two and one-half feet long, not more than an inch broad, channeled down the front, and strongly keeled behind. The flower spike springs from the base of the new and leafy pseudo-bulb, and is two feet or more high. It stands quite erect, and carries about twenty flowers. Only about eight or nine of these, however, are open at the same time, and the still unopened buds are remarkable for the exudation of large drops of crystalline nectar at the base.

The flower itself is about four inches across, with oblong, lance-shaped sepals of a soft and pleasing yellowish green without any spots. The petals stand more or less erect, but are broader. They have the same ground color as the sepals but are heavily blotched and dotted with black all over the surface, the blotches being thicker in the center. The lip, however, is the remarkable feature of the flower. It is very large in proportion to the other segments, and has an extraor-

FOR ADMIRAL SAMPSON BY Z. D BLACKISTONE, WASHINGTON.

FOR LORD PAUNCEFOTE, BY GUDE & BRO., WASHINGTON.

TWO OF THE HANDSOMEST FLORAL DESIGNS OF THE SEASON.

dinary spreading front lobe, broadly obcordate in outline, and of a rich and pleasing rosy-red color with deeper veins radiating from the center to the margins. The side lobes at the base stand erect, one on each side of the bright yellow disk, with purple warts, while at the very base is a raised semi-circular callus of shining ivory white, somewhat similar to the boss in the flower of Cycnoches chlorochilon.

Cymbidium rhodocheilum was introduced from Madagascar by a Belgian collector named Warpur, in the year 1890. One or two plants were sent to Kew. One has now flowered there and enabled me to furnish this description and illustration. A few other plants were put into commerce, but so far they have not flowered, although they are doing well. In its native state this cymbidium is invariably found growing on masses of stag's horn fern, Platycerium Madagascarlense. It seems to delight in plenty of peat and a very humid atmosphere, but not too much water. Judging by the Kew specimen it is an easy plant to grow if one has just the right kind of house, and it is a great pity that only a few plants of it are known. W.

The Coal Strike Versus Florists.

Fortunate is the florist whose greenhouse heating apparatus is equipped with gas, and those who are not so equipped may do well to turn their attention to the heating of their plants with oil, for, as these hot days are upon us, it might be dangerous to the mental equilibrium of the florist, working as he is obliged to work, some of these days, with the temperature up to 120°, to worry over the question of the coal strike. This may be a very serious problem to the florists here in the vicinity of Scranton, Pa., and to others who depend upon hard coal for heating purposes, as the question of the settlement of the strike looks very grave from this standpoint. The men are prepared for a long struggle. Mr. Mitchell, with his corps of officers is upon the ground here watching every move of the operators, who appear to be very indifferent as to when they resume operations. They have undoubtedly fortified themselves for a long struggle and it looks as though it would be a case of "the survival of the fittest."

Hundreds of florists have made no provision for their winter supply, and many of the smaller florists, buying only in small quantities, possibly may be required to shut down operations if they depend upon hard coal, and who can divine but that the soft coal men may be called out before fall. If so, there would be a wailing among the florists equal to that of the Israelites when they were in the wilderness without food. Already we have heard of florists in this vicinity who had intended increasing their plants to a considerable extent, but the question of coal supply has called a halt upon their projects. These parties already have their glass on hand but are waiting developments.

Those florists who are out of the gas belt would do well to look into the oil heating appliances, and I believe in the end they will find it a cheaper fuel than the use of either hard or soft coal. While the coal strike will have its most serious effect here in the anthracite regions, and before snow flies there will be thousands of hungry men, women and children and much suffering, yet, with all this, general and permanent good will come out of this strike. New devices and schemes will be developed and put into use because of the necessities that these conditions are making. Heating by electricity and the use of oil as a fuel will take a great stride forward.

Oil is being produced by the millions of gallons, and at some wells is sold as low as 50 cents per barrel. With the proper equipment a barrel of oil will do as much work as two tons of coal, so, here is an opportunity for some ingenious florist to make a fortune in perfecting a device of this kind, else it may be possible that they will have to resort to the old time fuel, wood, for heating purposes.

Many florists have said, and are saying now, "O, these difficulties will be settled before our need of coal." They are looking forward more with hope than with any assurance of these grave matters being settled. To me it is a most serious state of affairs and florists should not allow their interests to be jeopardized with hope, for if fall comes on and no coal is being mined, to what will the florists resort? I do not believe in looking at things with a pessimistic view, but a number of florists were caught without much of a supply in the 1900 strike, which caused many serious countenances over the shortage of supplies. The strikers' idea is to force these stringent necessities and with these necessities will be sure to come an advance in price when coal is again on the market. Much could be said upon this matter, but these lines will serve to call attention to the florists' relation to the condition of affairs and will give many an opportunity to make other provisions for winter in case the strike continues. G. R. CLARK.

CHAMPAIGN, ILL.—Thos. E. Franks will sail July 8 for a summer visit to England.

EMSWORTH, PA.—Mrs. J. F. Zimmerman died June 6, aged 36 years. Mr. Zimmerman is gardener at Dixmont Hospital.

The Importation of Bay Trees and Palms.

The accompanying illustrations give an idea of the proportions to which the importations of bay trees have grown in the past few years, although this is an exceptional shipment, the largest of which there is any record. It was recently entered by Bobbink & Atkins, of Rutherford, N. J., and a special train of ten cars was made up to convey the consignment from the dock to the nursery. One illustration shows the train, the other the trees themselves, almost 1,500 in all. In addition to this Bobbink & Atkins recently brought from Europe a consignment of palms which amounted to eight carloads.

The Rose Show at Boston.

The annual rose and strawberry exhibition of the Massachusetts Horticultural Society was held in Horticultural Hall on Thursday and Friday, June 19 and 20. The roses were excellent, much better in fact than has been the case in recent years so far as local exhibitors are concerned. Mr. Walsh, of Wood's Holl, who has put up invincible rose exhibits annually for a number of years, was unable to compete this year, owing to his plants having been badly damaged by a "smoke nuisance." The most prominent exhibitors of roses were J. H. White, Jas. Wheeler, gardener; Miss E. J Clark, John Ash, gardener; Dr. O. S. Paige, Mrs. E. M. Gill, Peter B. Bradley, A. F. Estabrook, Geo. Barker, gardener; W. J Clemson, Ed. Powell, gardener, and Mrs. J. L. Gardner, Wm. Thatcher, gardener.

The special Theodore Lyman prizes for twenty-four hardy roses went, first, to J. H. White and, second, to Miss Clark In the other classes Mr. White secured three first prizes and one second and Miss Clark two firsts and four seconds and her exhibit of Black Hamburg grapes was a prime attraction for visitors. The best single bloom of any variety was adjudged to be Mr. Bradley's Paul Neyron and the second best Dr. Paige's Her Majesty. The stands of 100 bottles each for general display were well filled, the six premiums being won by Mrs. Gill, Messrs. Clemson, Paige, Mrs. Gardner, Miss Clark and Mr. Bradley respectively. In other classes the prizes were well distributed among the above named exhibitors.

On sweet williams the prizes were won by W. J. Clemson, Mrs. J. L. Gardner and W. E. Coburn. There was a small tank of nymphæas from Miss E. A. Wilkie and large vases of pæonias, foxgloves, delphiniums and other seasonable flowers from various contributors. H. A. Wheeler showed a group of Amaryllis formosissima and F. J. Rea received a silver medal for Campanula persicifolia Moerheimii, a handsome double, or rather triple flowered variety. George Hollis showed ten of his seedling pæonias, receiving certificates of merit for Maud H. Richardson and Goliath and honorable mention for an unnamed seedling.

Oakes Ames exhibited for the first time a plant of Cypripedium × Y'Mir var. Hallii, with a flower stem two feet high and a pedigree as long as a clothesline. There were two splendid groups of decorative plants from Mrs. J. L. Gardner and E. S. Converse, D. F. Roy, gardener. The contributors to the orchid classes were J. E. Rothwell, E. J. Mitton and H. A. Wheeler. E. S. Converse also staged a fine group of tuberous begonias and Mr. Roy received a certificate of merit for superior cultivation of Pteris ensiformis var. Victoriæ.

Strawberries were up to the usual standard.

Pennsylvania Horticultural Society.

The usual meeting of the Pennsylvania Horticultural Society was held at Horticultural Hall, Philadelphia, June 17, Edwin Lonsdale presiding. Dr. Henry Skinner, Professor of Entomology, gave an instructive and interesting lecture entitled "Beneficial and Injurious Insects," illustrated by colored lantern slides. The June meeting for some years past has developed into an annual sweet pea exhibition, liberal prizes having been offered by the seedsmen for collections and mixed varieties. We have in the past had excellent displays, but nothing to equal the range of varieties and quality of exhibits seen at this meeting. These same competitions have developed several expert growers and consistent winners, showing that cultural methods tend toward success rather than localizing the seed crop in a given neighborhood, as Mr. Hutchins suggested in a recent issue of this journal.

The display of Japanese irises, about seventy-five vases, including some thirty varieties, were much admired, and a collection of seedling anthuriums of the Andræanum type, covering a range of colors from pure white to Daybreak pink and the varying shades of red. Among other exhibits were well grown gloxinias, vases of Rambler roses and dahlias, also cucumbers and lettuce. The attendance was large and included a number of visitors.

The prize winners were: The Bodine prize for best pair of gloxinias, first to G. McCracken, gardener for Mrs G. B. Roberts, Bala, Pa; second to William Robertson, gardener to John W. Pepper, Jenkintown. The Michell prizes for vase of mixed sweet peas, first to Ernest Schreiber, gardener to W. L. Elkins, Ogontz, Pa.; second to R. Carey, gardener to T. Hoyl, Rosemont, Pa. For best collection of sweet peas, first to William Robertson, second to Ernest Schreiber. The Dreer prizes for sweet peas were divided between Wm. Robertson and Ernest Schreiber, the judges being unable to decide between the two exhibits. The prize for Iris Kæmpferi went to Joseph McGregor, gardener to Edgar Scott, Landsdowne, Pa.

The Dreer premium for All Heart lettuce went to John McCleary, gardener to Wm. Weightmann, Germantown, Pa. Henry A. Dreer and Joseph McGregor received certificates of merit for collection of Japanese irises. Alphonse Pericat, gardener to Mrs. G. B. Wilson, Philadelphia, received a certificate for seedling anthuriums. Special mention went to John McCleary for cucumbers.

The new schedule for the chrysanthemum show just issued bears evidence to the concerted efforts of some of the gardener members of the society. A great

A SPECIAL TRAIN CONVEYING BAY TREES TO THE NURSERIES OF BOBBINK & ATKINS, RUTHERFORD, N. J.

THE RECENT IMPORTATION OF BAY TREES BY BOBBINK & ATKINS, RUTHERFORD, N. J.

many of the regular prizes have been subscribed by business firms and private individuals, and show a desire to have the society in as prosperous a condition financially as when the old hall burned down in 1893. In this connection one member, Thomas Long, gardener to G. W. C. Drexel, Bryn Mawr, secured subscriptions amounting to over $300.

FRANCIS CANNING.

The Newport Rose Show.

The Newport Horticultural Society held its annual rose and strawberry show at Odd Fellows Hall, Newport, Tuesday and Wednesday, June 24 and 25. The date was rather early for a full display and the exhibits were not as extensive as has frequently been the case, but the quality of the roses was excellent. There was much interest manifested, both by the visitors, the exhibitors and their gardeners.

The principal trophy was the Mrs. Burke-Roche silver cup for the best display of roses arranged for effect. This was won by H. Perry Belmont, W. Barth, gardener, with a group mainly composed of American Beauty and Bridesmaids. Second prize went to Mrs. Robert Goelet, Calib Robertson, gardener; third to Mrs. Cornelius Vanderbilt, Jr., Hugh Williamson, gardener.

On other rose classes Mr. Belmont won one first and one second, Mrs. Goelet, three firsts; Mrs. Vanderbilt, one first and one second; Miss E. J. Clark, John Ash, gardener, one first and one second; Mrs. Arthur Beebe, James Nichol, gardener, one first and three seconds; J. J. Van Alen, Richard Gardener, gardener, two firsts.

Prizes for gardeners' assistants were won as follows: Basket of flowers, first to Thomas Fieldhouse, assistant to A. Griffin; second, to A. Jenkins, assistant to A. Meikle; third, to Samuel Williams, assistant to W. Barth. Corsage bouquet, first, to John Finn, with C. Robertson; second, to Thomas Fieldhouse. J. J. Van Alen showed a group of Cattleya gigas, well grown and well arranged, for which a special prize was given. Commodore E. T. Gerry, A. Griffin, gardener, was represented by two showy specimens of Clerodendron fallax and by a fine collection of Spanish irises. Miss Helen Mason, John Falkenholm, gardener, showed campanulas and foxgloves. Miss Clark staged an exceptionally meritorious group of hothouse fruit.

There was no competition for the S. A. F. medals for new plants.

It is expected that the show at the Casino July 21 and 22 will be a record breaker.

CHRYSANTHEMUMS.

SPECIMEN PLANTS.

Our specimen chrysanthemums are going into 10-inch and 12-inch pots this week. As our soil this season is rather heavy, we shall pot them only moderately firm and shall leave about half an inch more than the usual space, for a top dressing later. The pots are clean. If new they should be soaked well before being used. They are well drained. Over the crocks we place a layer of crushed charcoal. We prefer to use it in this way to mixing with the soil. It better answers the purpose for which it is intended, as a filter. We see that the plants are thoroughly watered the day before potting, and if by any chance we find the balls dry, they are soaked. By doing this it is not necessary to water more than to settle the soil, for a day or two, and then sparingly, until root action is well in evidence.

Our soil is moderately rich, but we have been in the habit of mixing, say, a 5-inch pot of Clay's fertilizer with a barrow-load of soil at potting time. Bowker's greenhouse chemicals are equally good, but we should be careful about using any artificial manure we are not well acquainted with. We object to bone meal at potting time. It is an excellent manure, if mixed some time previously, and allowed to heat up and cool again before using

Our plants for decorative purposes, now in 5-inch pots, will go into "sevens" and "eights" in a week or two. They are stopped somewhat, but in general we allow them a natural growth. Such plants have a better effect when not too set in form. The Mizpahs in pink, white and yellow; Midge, Mrs. Mitchell, a gem of a dwarf Chinese incurved; Garza, white, anemone; Savannah and Antonius, yellow pompon anemones; Garda and Firefly, a small red anemone; Golden Ball and Crimson King make naturally dwarf bushy plants which need little or no pinching, or staking, and are indispensable for the front line.

Some stopping will be necessary for a few weeks yet and runaway shoots must be looked after well into August. Thrip and the red mite make havoc if allowed to get hold and must be watched carefully. A plentiful use of water will keep them down, but we must spray occasionally with some tobacco compound. Duplicates may be planted out. Some of these will make better plants than those kept in pots and may be taken up later.

T. D. HATFIELD.

NOTES ON SEASONABLE TREATMENT.

After planting is done the principal work connected with the culture of chrysanthemums for a little while will be to keep the weeds down. They will begin to come up quite thickly in a very little time and should be removed as soon as large enough to handle. This should be done thoroughly, so that after the first weeding or so there will be very little trouble from weeds. The beds can then be leveled off and made as even as possible.

Extra care will be necessary in watering your plants until they have commenced to take hold of the soil and as a general thing after once being well watered in at planting time they will get enough water from the syringing for the first two weeks, except in places at the edge of the bench where the soil dries out much faster.

Some varieties soon begin to branch out and all surplus shoots must be removed without delay to give the main one, which is being reserved to do the work, all the strength possible.

We are having moist hot weather just now, which seems to make the black aphis thrive exceedingly. They need attention at once or in a little while they

get to be more than troublesome. The most effective remedy I have found is to take a large-sized watering can, fill it as full as possible with tobacco stems, covering them with water, and let it stand about twenty-four hours. The strength will then be thoroughly drawn out of the stems. Then strain the liquid and apply with a sprayer. If the aphides are very thick it will take two or three applications to remove them, after which we spray our plants every week as a preventive. It is safest to do the spraying after the sun has left the house, not that we have ever found it to burn the young shoots any but we like to be on the safe side.

If it is your intention to grow some single-stemmed stock or some late plants, the cuttings should be put into the sand right away. They will need clean, sharp sand, with ample watering. At this season a north-side propagating house is the best place in which to root them.

C. W. JOHNSON.

American Art Industries.

The third of a series of illustrated articles under the above heading appeared in the *New York Tribune* June 15 and was devoted to the manufacture of the modern conservatory, being a description of the development of that industry in the hands of the Lord & Burnham Company. It said that the business was founded by Frederick A. Lord, who was building greenhouses as early as 1856, and in which year he invented the ventilating apparatus now in use. But it was not until 1881 that the modern greenhouse made its appearance, that being the year in which the first iron-frame structure was erected, at Irvington, N. Y., for the late Jay Gould. The article on greenhouse construction in Bailey's Cyclopedia of American Horticulture was written by W. Addison Burnham, son-in-law of the founder of the firm, who came into the business in 1872 and is now president of the company.

WITH THE GROWERS.

N. ZWEIFEL, MILWAUKEE, WIS.

The most thoroughly modern establishment producing cut flowers for the Milwaukee market is the new range of carnation houses built last season by N. Zweifel, at North Milwaukee, about seven miles from the city. Here this enterprising grower has three houses 28x200 built on the plan approved by the most successful and the largest growers in the country. They are such houses as are being added to the big ranges about Chicago and this is doubtless the embryo from which a very large establishment will grow, for the first season's success has been so satisfactory that Mr. Zweifel is now proceeding with the erection of one more house of the same dimensions.

The houses are high, light and airy, being built with the Garland iron gutter and no partition walls. The glass used is 20x24, and excellent ventilation is provided. Each house has four benches, the heating system being admirably constructed. A Kroeschell hot water boiler does the work, the main supply pipe and the return being down the center crossway of the range. Under each bench there are four 2-inch pipes, one flow and three returns. So well does the water circulate that the foreman states that all last winter one of the returns was cut out, being unnecessary.

The entire range is devoted to carnations, and the results achieved in the first season are particularly good in view of the fact that the stock was planted late and that the soil in the benches was taken directly from the field, without the addition of manure or any other fertilizer. Neither has liquid food been supplied during the winter. With the use of the compost now prepared for next fall's benching, much better results should be secured, although one could find little cause for complaint in a cut of 19,000 blooms in the first week of June.

The varieties grown are G. H. Crane, Flora Hill, Genevieve Lord, Guardian Angel, Estelle, Triumph, Evanston, Norway, Armazindy, Melba and Pern. The latter will be dropped next year, as the few plants on trial have failed thus far to produce any perfect flowers. Melba

FRED W BARTELDES AT MINNEAPOLIS.

(From the *Minneapolis Journal*)

is a good pink but it is hardly up to the present day requirements. Crane has given good results, the cut being heavy and the plants showing very little trace of stem rot. At least in health Crane has the advantage of Estelle, the latter being badly affected with rust; otherwise Estelle has the preference and it will be more largely planted next year. Hill has been the best white this season but a part of a bench of Norway has given such good results that 4,000 plants will be housed this fall. Of the pinks Guardian Angel has given a heavy yield of first-class flowers and of the light pinks Genevieve Lord has the best record to date. Evanston and Morning Glory are not in the running and Triumph does not show up in comparison with the others.

Mr. Zweifel has a large field of young stock in very fine shape for next season. He has an old range of glass at the corner of Fourteenth and Groeling streets where he produces pot plants and miscellaneous stock for his retail trade.

Commercial Floriculture in Italy.

Peter Crovetto, who has spent several years in American commercial floriculture, now located in Chiavari, Italy, writes to a friend in Tewkesbury, Mass., so entertainingly of what he has observed in that distant country that we have obtained permission to publish the following abstract of his letter:

"The principal flowers here are roses, which are grown as are currants and similar stock in America. In summer they get rested naturally by the dry spell, often of five, six or seven months' duration. From the latter part of August until October 20 they are carefully pruned, cultivated and mulched. The first rain generally comes in September and after that they start to grow as though spring was approaching. The first flowers come in November but the full crop is generally between December 1 and January 15, when the Bordighera, Nice and Cannes roses come in full blaze and last until the first of March, after which the flowers are generally poor, but by that time so many bulbs are flowering that the roses are not missed.

"Next in importance to the rose and camellia are the carnations. These are planted out in like manner but they being very particular about soil and it being next to impossible to obtain sod here, we must work the soil to a depth of more than three feet to turn up the deep subsoil, otherwise the plants get the stem-rot, fully ninety per cent of them. The result of this hard work is that we get good carnation plants and the culture is much the same as in America when grown in the field. All colors are grown, the scarcest being good pink sorts. Every flower bursts the calyx, but the blooms are so nice and large and so double that the bursting is hardly noticeable. I have several American varieties and the most of them burst also but on account of their long calyxes these flowers are useless, while ours are short in calyx and when open hold the petals well together without appearing ragged. Flora Hill splits eighty per cent, Crocker fifty, White Cloud fifty, Maceo thirty and Joost bursts but seldom. Crane is too single and light in color. Crocker is fine in color, form and tissue and is much liked. Over here nobody thinks of disbudding carnations. The blooms are picked short and all the buds allowed to come along, as was done in America twelve or fifteen years ago.

"We have, besides, one class of carnations, different from all the others called the 'big carnations.' They are fully five to seven inches in diameter and, notwithstanding that they are all bursters, I think they could be made to pay in America, for the colors are very fine and they are preferred to anything else by American or English travelers. They are grown by but a few of the best growers, for they are difficult and require much care. They bloom all winter alongside the American varieties. They are grown in 7-inch pots and kept well staked.

"Camellias are grown here very extensively. They are shipped all over Germany, North Italy, Switzerland, Austria and largely in Russia, for they have the quality of lasting twelve or fifteen days. Stocks are a staple, very fine, in all shades but mostly white and pink, also daffodils, many anemones, daisies, the large white and yellow ones; callas and gladioli.

Freesia is simply a weed, but all of the yellow variety. Acacia is a stand-by crop and is sold by tons. We have acacias fifteen to fifty feet high, in many species, such as semperflorens, dealbata, cultriformis, microphylla, floribunda and six or eight others. Violets are abundant and much cheaper than in America.

Chrysanthemums are grown by everybody but few grow them well. Last October at the Geneva exhibition many very large and beautiful blooms were shown, but only by four or five growers out of the many hundreds who grow flowers at Geneva. I have planted 3,000 chrysanthemums and have more to plant yet and my brother will plant about as many. Of these 750 are Modesto, 550 Hill, our best early pink; 550 Robinson, 550 Soliel d' Octobre, 200 Carnot, 200 Warren, 150 Niveus, and about fifteen other varieties. We are short on late and middle season pink.

"I have tried three years to sell sweet peas. The people here say peas are only for eating! They grow and bloom splendidly but cannot be sold. A lot of annuals are grown here, such as candytuft, gypsophila, mignonette, mysotis and so forth, also cyclamens, ericas, gardenias and epacris, all outside. A geranium when planted in the garden is there for all time and a heliotrope will last for fifty years.

One of my brothers has planted 15,000 Clivia miniata of the finest strain; he sends the blooms to Berlin. We are very anxious now about the new tariff that Kaiser William wants to put on flowers and mad with our rotten railroad."

Chicago.

MARKET BARE OF ROSES.—SUPPLIES SHORTEN REMARKABLY.—BIG MONEY FOR POOR STOCK.—CARNATIONS ALSO UNDER THE DEMAND.—MANY SHIPPING ORDERS GO UNFILLED.—BUYERS DISAPPOINTED.—PÆONIA SEASON IS OVER.—FLOWERS FILL IN NICELY AND AVERAGE GOOD RETURNS.—ARRANGEMENTS FOR ASHEVILLE TRIP.—VARIOUS NOTES.

It is remarkable the way the rose cuts shortened up at the beginning of this week. Where a few days before found almost unwieldy quantities in market, Monday saw the wholesalers unable to fill orders with shipable material and local buyers paying $2 and $3 per hundred for trash which the cheapest Greek would not have looked at before the hot weather came. The sudden diminution of receipts was probably due principally to the throwing out of stock preparatory to replanting and to the dark, cool weather which prevailed for a few days. Carnations, too, are off grade, getting small, soft and bedraggled. The receipts are still fairly large, but they will not last long. Trade has been active this week and local buyers have had to skirmish for supplies, while out of town people have experienced considerable difficulty in getting orders filled for either roses or carnations, which has resulted in some complaint, for those not in touch with the market could not understand the radical change in the situation. The pæonia has been a saving clause under the circumstances. So far as reported no one has been obliged to refuse an order for this item, although it is expected the supplies will be pretty well at an end by to night. The pæonia has done well in this market this season. It has found a ready sale and, taking the receipts as a whole, the returns have been above the ordinary. Now that they are gone, there may be more of a market for the

Photo by Elgin R. Sheppard.

MEMBERS AND FRIENDS AT THE ANNUAL CONVENTION OF THE AMERICAN SEED TRADE ASSOCIATION, MINNEAPOLIS, MINN., JUNE 24-26, 1902

summer stock, gladioli, auratum and speciosum lilies and such things, which have not moved any too briskly as yet. There is plenty of smilax now on hand, and more asparagus, but little adiantum. While there will be largely increased supplies of the two former greens next season, few growers are giving attention to adiantums.

Kreitling does all the work for the Washington Park Club and it therefore devolves upon him to make the floral saddle which is each year placed upon the Derby winner. Last week's piece is shown on this page. The body of the design is galax leaves, the edges of sweet peas, the seat of roses, the lettering and stirrups of carnations. On one side was "1902" and on the other "W," the latter standing for "winner," not Wyeth; the shadow of coming events did not fall in Walter's workroom

The Chicago Florists' Club will go to Asheville via the Big Four, the Queen & Crescent and the Southern railway, with a stop-off at Cincinnati. The plans have all been laid and E. F. Winterson, of McKellar & Winterson, will book sleeping reservations in the special cars.

F. A. Chapman, for several years foreman for Poehlmann Bros , and for some time in charge of a rose section for Bassett & Washburn, has taken the management of the A. C. Brown greenhouses at Springfield, Ill.

As a rule the wholesalers found it the best June on record. There was good business right along and most houses report substantial increases in the total of sales as compared with last year.

Phil. Hauswirth returned yesterday from Mt. Clemens, Mich., where he went Tuesday to install Mrs. Hauswirth for a stay until after the Fourth. She hopes to be rid of her rheumatism there.

There are more window boxes in use this year than ever before. The Lexington Hotel has some fine ones, planted for Samuelson, and the Chicago Club also makes a nice down town show.

John Reitmeyer went out to Joliet Tuesday to begin the construction of the two new houses for the Thompson Carnation Company. It is expected to have them finished in ten days.

Friedman is showing the Eldredge B carnation in his window, where it attracts considerable attention for its odd coloring, but it is not in great demand.

There were a great many florists mixed up in the 65,000 people at the Derby last Saturday and it is surprising how many of them were on the right horse.

Wietor Brothers are beginning to cut from their summer roses, Kaiserin and La France among them. They have planted four houses of Ivory.

There are fine candidum lilies in the market. Retailers use them for window display, and they come in handy for funeral work.

Max. Ringier, of E. C. Amling's staff, welcomed a baby girl into his home on Wednesday.

N. J. Wietor has been at Woodruff, Wis , this week, fishing.

Early closing will be the rule, beginning July 1.

Visitors: J. H. Vesey, of Kansas City, Mo., enroute to Fort Wayne, Ind.; Fred. Hall, Montclair, Col.

CAMDEN, N. J.—C. W. Turnley has been kept away from business recently by sickness in the family. He says the spring trade was highly satisfactory.

New York.

TRADE TAKES ON RENEWED ACTIVITY AND STOCK MOVES WELL —PRICES STIFFEN. —PLENTY OF MISCELLANEOUS STOCK.— ROSE SOCIETY PLANS SPRING SHOW AND MEDAL AWARDS.—WEIR GETS A MEMENTO FOR COOLNESS —VARIOUS NOTES.

All varieties of cut flower stock are moving better this week. School closings and steamer trade have developed a demand for the past few days which takes all the really good material. The supply of roses is diminishing. Brides are in reduced supply and average better in price than Bridesmaids. American Beauty brings advanced prices, the best being worth $25 per hundred; from this they range down to 50 cents per hundred for the "shorts." Red roses, such as Liberty and Meteor, are selling well at figures considerably above those of last week. Kaiserin, Testout and Car-

FLORAL SADDLE FOR DERBY WINNER.

not, the summer favorites, are in good shape and find a willing market. Carnations have risen, also, in sympathy with the general market and are faring better than for some time past. Sweet peas are very plentiful and cheap. Lily of the valley is in fair supply, with prices varying according to demand. Asparagus Sprengeri, smilax and adiantum are overstocked, while gladioli, Lilium auratum, centaureas, candytuft and so forth are being received in abundance.

At a meeting of members of the American Rose Society held last Friday at the residence of President Newbold in New York city, it was decided to accept the formal invitation extended by the Pennsylvania Horticultural Society to hold the next meeting and exhibition at Philadelphia in connection with the spring show of 1903. It was voted that gold and silver medals be offered for new roses to be shown at Philadelphia and New York next spring and at Chicago in the coming fall. To get the gold medal a variety must score ninety-five points and for the silver medal eighty-five points. Returns of all scores must be made to the secretary before the awards will be confirmed and only one medal can be awarded to any one rose.

James Weir has been presented with a silver cigarette case, suitably engraved, by the committee which had in charge the Brooklyn Heights Assembly at the Academy of Music on January 7, last, in recognition of Mr. Weir's coolness and promptness in extinguishing a fire which had started among the hall drapings, from a photographer's flashlight.

Miss Emma Schroeder, sister of Mrs. A. H. Langjahr, and for the past year bookkeeper at Mr. Langjahr's Brooklyn wholesale house, died July 24, aged 22 years. She was an industrious, capable young lady and a general favorite.

St. Louis.

CLUB HOLDS ITS JUNE MEETING IN ILLINOIS. —GOOD PARTY AT BELLEVILLE —MUCH DOING OF INTEREST —AMMANN IS BUILDING —STOCK SHORTENS UP DECIDEDLY. —JOTTINGS OF WHAT THE GROWERS ARE DOING.

The June meeting of the St. Louis Florists' Club was held in Belleville, Ill., with twenty-one members and several visitors present. The meeting was opened by Mayor John B Hay, who made a short speech. After this the regular order of business was carried out. The World's Fair business came up again and it was decided to drop it entirely. What money has been paid in on the second assessment will be refunded. The position of trustee that had been declared vacant on account of the retirement of Mr. Guy, of Belleville, was filled by the selection of Wm. Adel to serve the rest of the term. J. J. Beneke was appointed to see what terms can be had by the florists who wish to attend the meeting of the S. A F. at Asheville. Mr. Fleming, of the L. & N., stated that the fare would be one fare for the round trip. Carew Sanders gave the club a very interesting talk about his journey through California about the first of the year. Dr. A. S. Halstead was given a vote of thanks for entertaining the club. It was decided to hold a picnic some time the latter part of July at Priester's Park, mid-way between Belleville and East St. Louis. The next meeting will be held at the home of J. W. Dunford, at the St. Louis Carnation Company's place. The members are all asked to be at Delmar Garden at 1 p. m. to take the car which Mr. Dunford will meet with teams.

J. F. Ammann, of Edwardsville, has asked the club to hold its August meeting at his place. He will have his range of houses looking fine by that time he says. He has about 10,000 square feet of glass yet to put up on his new range and at present has only the benches finished. He has planted his roses out in the benches and will build over them. He tore down 12,000 square feet of glass this spring and when he has this new addition finished he will have 25,000 square feet in almost new houses.

The market has changed considerably in the quantity of stock sent in and prices have risen all along the line. Nothing that can be called fancy is to be had. This remarkable change is due to the very cold spell that we had the latter part of last week and also to dark weather. A very fine rain has fallen, which has done outdoor stock great good. A few gladioli are coming in. Retail business is reported as good.

A. S. Halstead's carnations in the field are coming on nicely and will make fine plants by the time that they are to be

lifted. His stock geraniums are growing strongly and are planted out in groups. The carnations in the houses are still in flower, especially his white seedling and Marquis.

E. W. Guy is planting chrysanthemums. He has several benches of roses that are still doing well and also some in solid beds. His carnations are in good flower. Mr. Guy intends to take down two of his houses that are three-quarter span and rebuild them even-span.

Mr. and Mrs. H. G. Berning are away on a trip up the lakes. Last week someone drove off with one of Mr. Berning's teams. He recovered the horse and wagon but the harness is gone. R. J. M.

Philadelphia.

CUTS GO OFF JUST AS DEMAND CEASES.—LITTLE DOING AND FEW GOOD FLOWERS IN MARKET.—SWEET PEAS SELL AS WELL AS ANYTHING.—THE PRICES.—PERSONAL NOTES.

The summer dullness has set in; the "last of the season" weddings and commencements have shown with more or less brilliancy and now, so to speak, we are "up against it" for the next two months. The growers seem to have timed the demand almost to a day, as for the past week it has been very difficult to get flowers of any kind that were at all presentable. Beauties and tea roses are off color and of the smallest size. Carnations are also on the same list. The weather has been cool the past week and the conditions apparently favorable, but for some reason the crops all seem to have failed and nothing choice can be looked for until the next season's stocks commence to flower. The first of these is a house of Kaiserin from which John Burton is cutting some good buds. Sweet peas are still good and sell as well as anything. Jos. Kift, of Westchester, has been sending in some nice auratums, the first of the season. It is hardly worth while to quote prices, as there is no standard. However, $1 to $2 per dozen is asked for special Beauties, while teas of the same grade sell at from $4 to $8 per hundred. Sweet peas are 25 cents to 35 cents per hundred, lily of the valley $3 to $4, as usual.

Robert Craig has returned from the seashore. The trip seems to have braced him up considerably.

John A. Ruppert, of Dreer's was married to Miss Mary A. Ebert on June 25.

The July meeting of the club next Tuesday evening will be all about Asheville. K.

Boston.

FARQUHARS SEND THEIR NEW ROSE TO LONDON EXHIBITION.—PLANT IN A GLASS CASE ON STEAMER DECK.—VARIOUS LOCAL NOTES.

R. & J. Farquhar & Company exhibited the original plant of their new rose, The Farquhar, at the coronation rose show at London, England, this week. The show was scheduled to be held June 24 and the plant was shipped June 10, from Boston, in a large glass case on the deck of the Cunarder Saxonia. The flower buds were then almost ready to open and it was expected that the plant would be in good bloom for the exhibition. William Donald went with the rose, to care for it and exhibit it.

A society for the protection of native plants has been organized in Boston for the purpose, especially, of awakening public sentiment against the wholesale destruction of wild flowers and plants. It has the endorsement of the Massachusetts Horticultural Society and the New England Botanical Club. Mrs. Asa Gray is honorary president.

Ed. Welch has recovered sufficiently to appear at his accustomed post once more.

Ed. Hatch is booked to sail for England on July 8.

Visitors: J. Henry Small, Jr., Washington; Wm. Griffin, Thompson, Conn.

Cleveland.

BUSY SEASON CLOSES WITH THE LAST GRADUATION AND JUNE WEDDING.—BUSINESS FAR AHEAD OF LAST YEAR.—GOOD STOCK FOR DECORATIONS.—PERSONAL AND OTHER DOINGS OF LOCAL INTEREST.

Business is slackening up perceptibly. School commencements are about over and this week will wind up the weddings. The weddings the past month were both numerous and elaborate. Flowers and plants were used extensively. The retailers are unanimous in their verdict that the business the past month surpassed that of the same period of last year. The changeable weather has had its effect on stock, especially roses. Mildew is the rule everywhere, and quality, with few exceptions, is at a low ebb. Carnations, owing to the cool weather, are holding out well. Some very good ones are to be seen, especially Ethel Crocker, Genevieve Lord, Melba and Scott. These four varieties seem to be the old stand-bys. The difficulty experienced in other localities with Ethel Crocker is not much in evidence here, where it is considered one of the bread and butter kind. Prosperity does not pay for the wire it takes to hold it up and will be discarded. Marquis will share the same fate, owing to its tendency to go to sleep a few hours after being cut.

Sweet peas are here in abundance and sell well, especially Blanche Ferry, which is very popular for wedding decorations. Crimson Rambler is in fine shape and used extensively for the same purpose. Sprays from three to six feet long are used with charming effect. English irises are on the market and their striking colors blend harmoniously with the other flowers in the show windows. Their cousins, the Spanish irises, are gone.

The club meeting was well attended last Monday evening. The outing committee, not having been able to decide upon a place, asked and was granted an extension of time for two weeks wherein to make their report.

Mrs. G. M. Naumann, wife of the popular east side florist, started on Tuesday for a visit to the Fatherland. Her sojourn there will last until September. The craft wish her bon voyage.

The Essex Greenhouses, Coe Ridge, J. G. Schuman, foreman, report all their rose planting done. Another house of Beauties was added this season.

Chrysanthemum planting is being pushed and the middle of July will see all planted.

R. Hoffman will add another house 20x100 to his plant.

We could do very nicely with a little less rain. ECHO.

NEW HAVEN, CONN.—The annual exhibition of the New Haven Horticultural Society is scheduled to take place November 11 to 13.

MEXICO, MO.—This has been an excellent season and C. C. Wonneman is increasing his facilities by two additional houses 28x75.

Meetings of Florists' Clubs.

The accompanying list gives the cities in which there are active florists' clubs. Following the name of the club is the place of meeting, the day of meeting, the hour and the name and address of the secretary:

BALTIMORE, MD.—Gardeners' Club of Baltimore, Royal Arcanum building, 18 W. Saratoga street. Second and fourth Monday of each month, at 8 p. m. John J. Perry, Sec'y, Gay and Eager streets.

BOSTON, MASS.—Gardeners' and Florists' Club of Boston, Horticultural Hall. Meets second Tuesday of each month. W. E. Fischer, Sec'y, 18 Union Terrace, Jamaica Plain, Mass.

BROCKTON, MASS.—Brockton Gardeners' and Florists' Club, store of W. W. Hathaway, Times Building. First and third Tuesday of each month, at 8 p. m. W. W. Hathaway, Sec'y, Brockton, Mass.

BUFFALO, N. Y.—Buffalo Florists' Club, 481 Washington street. Second Wednesday of each month, at 8 p. m. Wm. Legg, Sec'y, 1410 Delaware avenue, Buffalo.

CHICAGO, ILL.—Chicago Florists' Club, Handel Hall, 40 Randolph street. Second and fourth Wednesday of each month, at 8 p. m. George Wienhoeber, Sec'y, 413 Elm street, Chicago.

CINCINNATI, O.—Cincinnati Florists' Society, Jabez Elliott Flower Market. Second Saturday of each month, at 8 p. m. Geo. S. Bartlett, Sec'y, 113 East Second street.

CLEVELAND, O.—Cleveland Florists' Club, Progress Hall, 244 Detroit street. Second and fourth Monday of each month, at 8 p. m. Isaac Kennedy, Sec'y, Woodcliffe, Lake avenue, Cleveland.

DENVER, COLO.—Denver Floral Club, 323 Charles Block. Second and fourth Friday of each month, at 8 p. m. F. T. Rushmore, Sec'y, 2316 Franklin street.

DES MOINES, IA.—Des Moines Florists' Club, at various florists' establishments. Last Monday of each month, at 8 p. m. J. T. D. Fulmer, Sec'y, 702 Walnut street, Des Moines.

DETROIT, MICH.—Detroit Florists' Club, Cowie Building, Farrar and Gratiot avenue. First and third Wednesday of each month at 8 p. m. J. F. Sullivan, Sec'y, 214 Woodward avenue.

HARTFORD, CONN.—Hartford Florists' Club. Second and fourth Tuesday of each month at 8 p. m. J. F. Coombs, Sec'y, 688 Main street.

INDIANAPOLIS, IND.—State Florists' Association of Indiana, Commercial Club rooms, Indianapolis. First Tuesday of each month, at 8 p. m. H. Junge, Sec'y, 456 E. Washington street, Indianapolis.

MILWAUKEE, WIS.—Milwaukee Florists' Bowling Club, Plankinton House. Thursday evenings at 8 p. m. C. C. Pollworth, Sec'y, 137 Oneida street.

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 street.

NEW YORK, N. Y.—New York Florists' Club, Elk's Hall, 19 West Twenty-seventh street. Second Monday of each month, at 7:30 p. m. John Young, Sec'y, 51 West Twenty-eighth street, New York.

OMAHA, NEB.—Nebraska and Iowa Florists' Society, Fuller's Hall, Fourteenth and Douglas streets. Second Thursday in each month at 8 p. m. Louis Henderson, Sec'y, 1519 Farnam street, Omaha.

PHILADELPHIA, PA.—Florists' Club of Philadelphia, Horticultural Hall, Broad street above Spruce. First Tuesday of each month, at 8 p. m. Edwin Lonsdale, Sec'y, Wyndmoor, Philadelphia, Pa.

PITTSBURG, PA.—Pittsburg and Allegheny Florists' and Gardeners' Club, at rooms of Pittsburg Cut Flower Co., 504 Liberty street. Second Thursday of each month, at 8 p. m. T. P. Langhans, Sec'y, 504 Liberty street, Pittsburg.

PROVIDENCE, R. I.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street, Providence. Second Thursday of each month, at 8 p. m. Alexander Rennie, Sec'y, 41 Washington street, Providence.

RICHMOND, IND.—Richmond Florists' Club, Commercial Club rooms. First and third Friday of each month. H. C. Chessmann, Sec'y.

SAN FRANCISCO, CAL.—Pacific Coast Horticultural Society. First Saturday and third Monday of each month. Thos. H. Munroe, Sec'y.

ST. LOUIS, MO.—St. Louis Florists' Club, Odd Fellows Hall No. 2, Ninth and Olive streets. Second Thursday of each month, at 3 p. m. Emil Schray, Sec'y, 4101 Pennsylvania avenue, St. Louis.

TORONTO, ONT.—Toronto Gardeners' and Florists' Association, St. George's Hall, Elm street. Third Tuesday of each month, at 8 p. m. W. C. Jay, Sec'y, 438 Spadina avenue.

UTICA, N. Y.—Utica Florists' Club, 183 Genesee street. First Thursday of each month at 8 p. m. J. C. Spencer, Sec'y.

WEST HOBOKEN, N. J.—North Hudson Florists' Club, store of H. C. Steinhoff, Hudson boulevard, West Hoboken. First Tuesday of each month, at 8 p. m. Geo. F. Kogge, Sec'y, 616 Washington street, Hoboken.

THE AMERICAN FLORIST

SEVENTEENTH YEAR.

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No Special Position Guaranteed.

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cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

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-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., Chicago.

IF "Ex Ray" will send in his real name and address, we can advise him with regard to book.

WINDOW glass prices were advanced five per cent last week and another rise is shortly to be anticipated.

PROF. L. H. BAILEY believes there is a field for the grower of the old favorites of our grandmother's garden, of most of which there are now improved forms.

THE American Rose Society has decided to hold its exhibition for the spring of 1903 at Philadelphia, in conjunction with the spring show of the Pennsylvania Horticultural Society.

WITH a chapter on "Achievements" Edward J. Wickson, of the University of California, concludes a four part paper on the life and work of Luther Burbank, published in *Sunset*, of San Francisco. The improvement of the gladiolus, the ennoblement of the amaryllis, the work with the crinum, calla, canna and many other subjects is described.

Special Notice.

The national anniversary, July 4, falls on Friday. In order that our subscribers may receive their paper at the usual time it is necessary that the AMERICAN FLORIST go to press on Thursday night, twenty-four hours earlier than usual. Correspondents and advertisers will please take note.

To The Florists of New England.

The rate of one fare for the round trip from Washington to Asheville and return makes it possible for those attending the convention from the New England states to use local excursion tickets for that portion of the trip this side of Washington, thus getting the desirable privilege of stopping off at New York and Washington at a cost about equal to the one and one-third fare with limitation to continuous passage, which is the best concession that the New England railroads are willing to make. I would like to hear from any in this section who think of making the trip to Asheville and shall be glad to furnish all desired information regarding transportation, and so forth, to such applicants. It is desirable that the attendance from the north should be as large as possible and those who embrace this opportunity to visit the beautiful "land of the sky" in congenial company and at a low cost will not regret it. Please address

WM. J. STEWART, 79 Milk St., Boston.

Yes, It Certainly Does.

AM. FLORIST CO.:—Your paper certainly does bring orders from good, reliable firms.

Cleveland. F. R. WILLIAMS CO.

To Asheville.

Arrangements have been made whereby a special train will leave Cincinnati over the Queen & Crescent route at 2 p. m., on August 18, arriving at Asheville, N. C., at 7:30 a. m. on the opening day of the S. A. F. convention. It is hoped and expected that the eastern contingents, from Pittsburg, Buffalo, Rochester, Canada, Cleveland, from the west and northwest, will come together at Cincinnati and take this train.

The special train is so timed as to take the party through the beautiful French Broad by daylight, affording a view of some of the grandest scenery in America, where Mr. Deake asserts the party may "tickle the angels' feet" to their hearts' content any time after 6 a. m.

The railroad fare is based on a fare and one-third north of Cincinnati and one fare for the round trip for that portion of the journey south of the Ohio river.

The Chicago Florists' Club has arranged to leave Chicago over the Big Four on Sunday evening, August 17, arriving at Cincinnati Monday morning, where the party will have a few hours for sight seeing and hand-shaking with arriving delegations prior to the departure of the special train. The Chicago club will have special sleepers, buffet cars, well stocked all the way through, and all the usual accessories assure the best of attention to the creature comforts. It is expected that all the members from the west will take this train. Sleeping car berths may be engaged by addressing E. F. Winterson, president of the Chicago Florists' Club, 45 Wabash avenue, or the AMERICAN FLORIST will attend to such details on request from those of its friends and subscribers who will take this glorious trip.

Building A Propagating Bench.

ED. AM. FLORIST:—I shall be pleased to read in your columns a description of the methods of constructing a propagating bench for roses and carnations.

J. H. W.

The propagating bench should be three, or at most three and one-half feet wide, if single, or six feet if double, and should stand about three feet high to the top of the sides. A rather expensive, but a durable and satisfactory bench can be constructed from angle iron and bench tile. Gas pipe or wooden supports may be used if a cheaper bench is desired. They should not be more than three feet apart, owing to the weight of the wet sand. For the bottom of the bench, boards laid one-half inch apart may be used, or 2x6 joists may be placed at the edges and middle of the bench, with flat tile or roofing slate between. The bench should be about five inches deep inside. In filling it place one inch of sphagnum on the bottom, and cover with four inches of clean, sharp sand, of medium fineness. To furnish bottom heat, four 1¼-inch pipes should be used for steam and the same number of 2-inch pipes for hot water for a narrow bench, or twice as many for a double one. For carnations reduce the number of pipes one-fourth.

L. R. TAFT.

The Use of Soft Coal.

For several years, Wm. H. Elliott, of Brighton, Mass., has been contesting an action for damages and a plea for an injunction on the part of one J. R. Downing, an iceman, who claimed that the use of soft coal under Mr. Elliott's greenhouse boilers so polluted an adjoining pond, from which the plaintiff was accustomed to cut ice in winter, that the ice was no longer fit for use. The first hearing resulted in a judgment for $2,451 but Mr. Elliott carried the case up and on June 19 the full bench of the Supreme Court, at Boston, reversed the original finding and denied the prayer for an injunction on the ground that "The defendent's business is a lawful one; he has a right to use his premises in any manner that will not interfere with the legal rights of others; it cannot be said that the use of soft coal for the purpose of generating steam of itself constitutes a nuisance, and there was nothing to show that his business was not properly carried on, and that the locality was improper."

Greenhouse Building.

Oil City, Pa.—W. M. Deyoe & Co., five houses 20x76.

Springfield, Mass.—Mark Aitken, two houses 10x50.

Omaha, Neb.—Hess & Swoboda, two houses 18x200. Ederer & Son, two houses 18x125.

St. Paul, Minn.—Holm & Olson, range of houses. L. L. May & Co., range of houses.

New Carlisle, Pa.—W. T. & F. P. Butz, range of houses.

Lansdowne, Pa.—T. E. Bartram, one house.

Owensboro, Ky.—Mrs. J. W. Bishop, one house.

Detroit, Mich.—J. F. Sullivan, house 24x100.

Kirkwood, Mo.—H. & H. Gross, range of houses. F. W. Ude, Jr., one house.

Vashon, Wash.—H. Harrington Company, five houses 18x150.

Hamilton, Ont.—Walter Holt, house 18x100.

Philadelphia, Pa.—Wm. Berger one house.

Seattle, Wash.—Bodie Bros., range of houses. Seattle Floral Company, four houses. Washington Floral Company, house 18x110.

To Raise Egg Plants.

ED. AM. FLORIST:—What is the proper course of precedure to raise egg plants from seed. We have tried it for several years and failed each time. W. T. G.

When sowing seed of many plants, it is sometimes necessary to inquire whether the plants are indigenous to a temperate or tropical climate. In growing egg plants it will soon become evident that a warm temperature is necessary, cold and sudden changes being fatal to them. Acting upon this knowledge gardeners either choose a warm greenhouse in which to sow their seed or else adopt the hotbed system. In either case the end of March will prove a satisfactory time to sow the seed, as the object will be to have strong plants for planting out when settled warm weather is in order, which in Pennsylvania is usually about the middle of June. To accomplish this if grown in the greenhouse, sow in flats and cover lightly, in a temperature of not less than 60 . As soon as large enough pot into small pots, and from this time

keep them constantly growing by potting on at intervals. A daily syringing and moist atmosphere will hold thrip and red spider in check. Strong plants in 5-inch or 6-inch pots may be secured by this method, transplanting into well prepared hills three feet apart in the garden. This operation will hardly be felt by the pot-grown plants. When growing them in the hotbed, transplanting in the earlier stages, thus gradually hardening off and choosing a dull day for transplanting to the garden will be a sufficient outline to those familiar with the hotbed. An enriched and light soil throughout is conducive to susscess.

FRANCIS CANNING.

OBITUARY.

A. S. M'KIRCHER.

Alexander Steele McKircher, who died June 11, at his home in Washington, D. C., was born in Perth, Scotland, June 25, 1836. Mr. McKircher had been a resident of Washington for nearly half a century and employed at the greenhouses of the Department of Agriculture for over forty years. Mrs. McKircher, two sons and two daughters survive him.

KANSAS CITY, MO.—Arthur Newell sailed for Europe on the S. S. Oceanic June 25.

WESTFIELD, MASS.—C. H. Jacobs has discontinued his down town store and will hereafter be found only at his Smith avenue establishment.

DANVILLE, VA.—J. H. Rhodes is joining the S. A. F. and will attend the Asheville convention. He urges every other southern florist to join him in both.

HOLYOKE, MASS.—Miss Nellie Nolan, who has been in the employ of E. H. Howland for fifteen years, has bought out Mr. Howland's flower store at 64 Dwight street. Mr. Howland will confine himself hereafter to the business of growing for the wholesale market.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (six words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1902 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED — By experienced rose and carnation grower; 10 years in one place. Western states preferred. Address
K, care American Florist.

SITUATION WANTED — By a thoroughly experienced young lady, who is a good designer, saleslady and book-keeper. Address
G L, care American Florist.

SITUATION WANTED—By young man in commercial place, American, married, 5 years' experience. A1 references. Address
HUSTLER, care American Florist.

SITUATION WANTED — By experienced gardener and florist. German, aged 38, single. References. Private place preferred. Address
W. H. HILLMAN,
care Mr. G. Bullen, Oconomowoc, Wis.

SITUATION WANTED—As foreman by thoroughly practical florist. Good decorator, designer, etc. Grower of No. 1 roses, carnations and 'mums. First-class commercial or private position. Good wages expected. Address
G. FOREMAN, care P. O., Canton, O.

SITUATION WANTED—Second place under an expert. Experienced on private places and some in commercial. Would assist in office as kook-keeper and correspondent. No objection to coaching. Scotch, aged 33, single; good references; want good home and reasonable wages.
CHARLES MCDONALD, Chatham, Ont.

SITUATION WANTED—As assistant decorator and designer by young man 21 years of age; not afraid of work. Seven years experience in retail stores; best references. Address
K B, care American Florist.

SITUATION WANTED—By July 15th, as working foreman, by first-class florist and landscape gardener. Commercial or private place. Married. Good worker. Address
FLORIST, 2007 Fillmore St., Chicago, Ill.

WANTED—Two good carnation growers near Chicago. Address C C, care Am. Florist.

WANTED—Married man, good gardener and greenhouse man for country place.
MRS. P. R. KING, Delavan, Wis.

WANTED—Three or four good rose growers, good wages to right men.
WIETOR BROS., 51 Wabash Ave., Chicago, Ill.

WANTED—Greenhouse men; steady work; will pay good wages. With or without board. Address R, care American Florist.

WANTED—Two young men to work in greenhouses Roses and carnations. State wages wanted with board. Address
COLE BROS., Box 577, Peoria, Ill.

WANTED—Young man to learn the greenhouse business, growing of roses and carnations. State age. Apply to
JOHN L. WYLAND, De Haven, Pa.

WANTED—Rose growers and helpers; also one man that understands growing chrysanthemums. The highest wages and steady work.
BASSETT & WASHBURN, Hinsdale, Ill.

WANTED—As foreman, an honest, sober, married man, to grow carnations, 'mums and bedding plants. Address at once
DANIEL E. GORMAN, Williamsport, Pa.

WANTED—Assistant rose grower; married man; $12 per week. Also young man in carnation houses. Address, with references, GROWER, care Welch Bros., 15 Province St., Boston.

WANTED—A good florist for retail place; must be well posted on palms and ferns; wages $12 per week and room; send references. Address
H. F. HALLE, 548 W. Madison St., Chicago.

WANTED—A young man with some experience in greenhouse work. State wages with room and board. Must be sober, reliable and good worker. FRED. J. KING, Ottawa, Ill.

WANTED—Rose grower for Meteor and tea roses, to work under foreman; new houses with all conveniences. Married man preferred. Address particulars to OHIO, care Am. Florist.

WANTED TO RENT OR LEASE—Greenhouse 15,000 to 20,000 feet of glass with dwelling if possible. Must be in good condition. Natural gas preferred. O A K, care American Florist.

WANTED—A reliable married man. Must be a good worker, to grow roses, carnations and general line of plants. State age and wages, with house. HARRY DONNELLY,
Rosebank, Station B, Cincinnati, O.

WANTED—A young man who understands something about orchid and fern growing. State where last employed and wages wanted, with board. Address
J. M. GASSER CO., Euclid Ave., Cleveland, O.

WANTED—An all-around florist, capable of growing first-class roses, carnations and general stock. Must be sober, industrious and reliable. State wages wanted with board and room. Reference. Address S E H, care Florist.

WANTED—Man who has grown good chrysanthemums both in pots and on benches. Must be of good character well posted and energetic. Wages $12 per week with board to a grower of ability in other lines also; wages will be increased to $18.00 per week or more according to results. Address
PROMPT PAY, care American Florist.

WANTED—At once a reliable florist, must be sober, honest and a good worker; one who is capable to take full charge of medium size place and grow a general collection of plants and cut flowers for retail store trade. State wages with board and send good references of recent date in first letter. Good wages and steady place to right man. FRED J. KING,
220 Madison St., Ottawa, Ill.

FOR SALE—Greenhouses 4,000 square feet of glass, ground and dwelling; on electric car line and railroad; good retail business. Good chance for a young man. Address
T. care American Florist, Chicago.

For Sale Branch of large retail florist in heart of city of Chicago; established 9 years. Excellent opportunity. Elegantly fitted out. Splendid high-class trade. Only $500. Address
RUBICON, care American Florist

SEEDSMAN WANTED.

One thoroughly conversant with the flower and vegetable seed trade, experienced and capable of taking charge of stock and attending to the business of the retail counter. Address with references.
SEEDSMAN, care W J. Stewart,
79 Milk Street, Boston Mass.

FOR SALE—Glass and Pipe.

10,000 lights 6x8 glass, in boxes, at $1.50 per 100 lights. 800 feet second-hand 4-inch cast iron pipe; 800 feet 3-inch wrought iron; 600 feet 1½-inch wrought iron; all in good order. Apply to MRS. M. E. BUTLER,
13 Chesterfield Street, Readville, Mass.

GLASS FOR SALE!

100 boxes of new glass, as follows:
65 boxes, 16x24 D. T. A.
35 boxes, 16x24 D. T. B.
Price, $4.50 per box, F. O. B, Nazareth.
Address GEO. R. GEIGER, NAZARETH, Pa.

FOR SALE Greenhouse of 5,000 feet of glass, land and good dwelling house of 11 rooms and all out-buildings; doing a good business; within 10 miles of coal mines. 7,000 Carnations in stock. Established 30 years. Carnations are my specialty; have yearly contract with a Columbus firm for all I raise and 3 times as many more. Going out of business on account of old age. Will sell from 1 to 10 acres. Remember I am situated in the carnation belt of Ohio. Call on or address HENRY GOMPF, Box 284, LOGAN, OHIO.

SPECIAL.

We have to offer to acceptable party only, a partnership in a large, old-established and growing nursery business, located near New York city. About 75 acres controlled, of which about half is owned by present proprietor and free from encumbrance. Business can be DOUBLED within a short time, (proof of which can be furnished, together with absolutely satisfactory evidence of what has been accomplished). A person of undoubted ability, either grower or salesman, especially desired.

Detailed statement of past business will be presented for inspection to such parties as Actually mean business. For further particulars and information address

Cleary & Co., 60 Vesey St., N. Y.

New Glass

FOR SALE.

We have 150 boxes glass, B. D. S. 16x18, more than we shall need for our own building, which we can offer at **$4.00 per Box.**

J. A. BUDLONG,
37-39 Randolph St. CHICAGO, ILL.

If you want to get the want you want to get, you want to get your want ad into the

AMERICAN FLORIST

Try it now.

Every advertisement represents a genuine want. It pays to answer them.

Minneapolis.

CUT FLOWER SEASON HAS BEEN GOOD.—STILL BRISK DEMAND FOR CHOICE STOCK.—A SHORTAGE OF GOOD MATERIAL—VARIOUS NOTES.

The cut flower season is nearing a close and from all records it has been a most prosperous and satisfactory one. It is difficult to secure stock of first-class quality and a good figure is still realized for the best. Hybrid roses are coming in and, because tea roses are scarce, they sell rapidly at a good price. Carnations are small and of inferior quality. A few pink pæonias are still being cut.

Christ. Hansen, of St. Paul, has purchased three acres of ground on Dale and Maryland streets and will erect a range of houses.

The Lakewood Cemetery Greenhouses are in good shape under the careful management of Thos. Hall.

The Minnesota Horticultural Society held a very successful summer meeting here last week.

Jacob Hartman and family are enjoying a trip to Mr. Hartman's old home in Germany.

A trip among the growers shows their carnations in the field to be in prime condition. C. F. R.

Louisville, Ky.

TRADE GOOD BUT HOT WEATHER HURTS STOCK.—MATERIAL FROM CHICAGO—PERSONAL NOTES.

Stock is showing the effects of the warm weather and all the best material, such as auratums, roses and carnations, comes from Chicago. It has been a good season all along and every one is pleased with results.

P. A. Reynolds, foreman for C. H. Kunzman, and Miss Josie Bellinger were married on June 16. They spent their honeymoon in Chicago.

C. H. Kunzman has erected a fine new house, 32x140, iron gutters, 16x24 glass, 46x60 side ventilators and hot water heat.

The hail storm June 15 did a great deal of damage to stock in the fields and broke quite a little greenhouse glass. L. A.

COLUMBUS, O.—The Livingston Seed Company has been doing a fine cut flower trade this month. They wholesale tomato plants in great quantities and report this year's demand as unusually heavy.

J. van Reisen & Son,
VOORHOUT, HOLLAND,
Wholesale Bulbs and Roots.
NEW YORK ADDRESS
care P. J. VAN HEININGEN, 136 Water St.

RICE BROTHERS
WHOLESALE FLORISTS and FLORAL SUPPLIES.
Receivers and Shippers of Fresh Cut Flowers.
Special attention to shipping orders. A complete line of Florists' needs. Send for price list. Prompt returns on all consignments.
128 N. Sixth St. MINNEAPOLIS, MINN.

CHEAP RATES TO NEW ENGLAND.

$18.90 to Providence, R. I., and return, via Nickel Plate Road, July 7, 8 and 9. Particulars at City Ticket Office, 111 Adams St., Chicago, and Union Ticket Office Auditorium Annex. Write John Y. Calahan, General Agent, Chicago. 22

COMMISSIONS CARRIED OUT IN LONDON
or any part of Great Britain.
Messrs. WILLS & SEGAR will attend to any commission from American florists for the supply of Cut Flowers, Birthday Flowers, Bouquets, High Class Floral Designs, etc., to their clients who may be traveling in England.
WILLS & SEGAR, Court Florists to His Majesty, The King.
ROYAL EXOTIC NURSERY,
TELEGRAMS, Onslow Crescent, South Kensington.
FLORCULO, LONDON. LONDON, ENGLAND.

Wholesale Flower Markets

MILWAUKEE, June 26.

Roses, Beauty, long, per doz.	2.50@ 3.00
" " med. "	1.00@ 1.50
" " short "	.50@ .75
" Liberty	6.00@10.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	4.00@ 6.00
" Golden Gate	4.00@ 6.00
" Perle	4.00@ 5.00
Carnations, ordinary	1.00
" fancy	2.00
Adiantum	.75@ 1.00
Smilax	18.00@20.00
Asparagus	65.00
Common ferns	.25

PITTSBURG, June 26.

Roses, Beauty, specials	20.00@25.00
" " extras	12.00@15.00
" " No. 1	4.00@ 6.00
" " No. 2	2.00
" Bride, Bridesmaid	1.00@ 4.00
" Meteor	1.00@ 4.00
Carnations	.50@ 2.00
Lily of the valley	2.00@ 3.00
Harrisii lilies	8.00@12.00
Daisies	.25@ .50
Sweet Peas	.20@ .50
Smilax	10.00@12.50
Adiantum	.75@ 1.00
Asparagus	35.00@40.00

CINCINNATI, June 26.

Roses, Beauty	5.00@15.00
" Bride	1.00@ 4.00
" Bridesmaid	1.00@ 4.00
" Meteor	1.00@ 4.00
" Perle	1.00@ 4.00
" Liberty	1.00@ 4.00
" La France	3.00@ 4.00
" Kaiserin	3.00@ 4.00
Carnations	1.00@ 2.00
Lily of the valley	3.00@ 4.00
Sweet Peas	.25@ .50
Asparagus	50.00
Smilax	12.50
Adiantum cuneatum	1.00
Common ferns	.15

ST. LOUIS, June 26.

Roses, Beauty, short stem	3.00@ 8.00
" " long stems	10.00@15.00
" Bride, Bridesmaid	2.00@ 5.00
" Golden Gate	2.00@ 6.00
Carnations, ordinary	.75@ 1.00
" choice	1.50@ 2.00
Lily of the Valley	3.00@ 4.00
Sweet peas	.15@ .25
Smilax	12.50@15.00
Asparagus Sprengeri	1.00@ 1.50
" Plumosus	1.00@ 1.50

FOURTH OF JULY EXCURSION

over Nickel Plate Road, at one fare for the round trip, within a radius of 200 miles from starting point. Tickets on sale July 3rd and 4th, with return limit of July 7th. Three daily trains in each direction between Chicago, Cleveland, Buffalo, New York, Boston and New England points. Every facility offered for comfort of the traveling public. Individual American Club Meals, ranging in price from 35c to $1.00, and meals a la carte in dining-cars on Nickel Plate Road. Write John Y. Calahan, General Agent, 111 Adams St., Chicago, for special rates to eastern points. 21

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WHOLESALE.....
Cut Flowers
THE "OLD RELIABLE."
76 Wabash Ave., CHICAGO.

J. B. DEAMUD,
WHOLESALE
Cut Flowers,
51 WABASH AVENUE,
'Phone Central 3155. .....CHICAGO.

Poehlmann Bros. Co.
Wholesale Growers of and Dealers in **Cut Flowers**
All telegraph and telephone orders given prompt attention.
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35-37 Randolph Street, CHICAGO, ILL.

The Cincinnati Cut Flower Co.,
437-439 Main St. CINCINNATI, O.
WHOLESALE FLORISTS.
Consignments Solicited.
Special Attention Given to Shipping Orders.

MICHIGAN
Cut Flower Exchange,
WM. DILGER, Manager,
WHOLESALE COMMISSION.
Full line of Florists' Supplies and Decorations.
Special attention to shipping orders.
26 Miami Avenue, DETROIT, MICH.

C. A. KUEHN,
Wholesale Florist,
1122 PINE STREET,
ST. LOUIS, MO.
A complete line of Wire Designs.

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WHOLESALE FLORISTS.
Pittsburg, Pa.
Please mention the American Florist when writing.

H. G. BERNING
Wholesale Florist
1322 Pine St., ST. LOUIS, MO.

Frank M. Ellis,
WHOLESALE FLORIST,
1316 Pine Street, ST. LOUIS, MO.
CONSIGNMENTS SOLICITED.

We do not propose to suspend business just because summer is at hand.

IT IS ALWAYS OUR AIM

to be prepared to meet any sudden demand, and throughout the summer we shall stand ready to supply everything seasonable and in the best possible qualities at a moment's notice. Bear this in mind when your customer states his wants; you can rely on us. During July and August we close at 5 P. M.

E. C. Amling

The Largest, Best Equipped and Most Centrally Located Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St. CHICAGO.

L. D. PHONES CENTRAL 1999 AND 1977.

PRICE LIST.

BEAUTIES.		
30-36-inch stems, per doz.,		$3.00
24 " " "		2.00
20 " " "		1.50
16 " " "		1.00
12 " " "		.75
6 to 8-in, " per 100	$4.00	5.00
		Per 100
Brides	$2.00	5.00
Maids	2.00	5.00
Meteors	2.00	5.00
Gates	2.00	5.00
Carnations	1.00	1.50
Callas per doz.,	1.00	1.25
Sweet Peas	.25	.40
Valley, select	4.00	5.00
Marguerites	.50	.60
Asparagus plumosus, per stg.	.60	.75
" Sprengeri	3.00	6.00
Galax " 1.25;		.15
Ferns per 1000, $1.00,		.15
Adiantum		1.00
Smilax per doz.,	1.25	1.50

Prices subject to change without notice

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

DAGGER and FANCY FERNS

75c per 1000. Discount on large orders.

GALAX LEAVES Bronze or Green, 75c per 1000. Use our **Laurel Festooning** for your June Decorations. Its the best and cheapest in the market. 4, 5 and 6c per yd. Bunched laurel and laurel wreaths when wanted.

Millington, Mass.
Tel. office, New Salem.

A. L. Randall,

WHOLESALE FLORIST.

4 Washington Street, CHICAGO

Send for weekly price list and special quotations on 1000 lots.

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CHICAGO'S RELIABLE
Wholesale Growers and Shippers of
CUT FLOWERS,
59 Wabash Ave., Chicago.
SEND FOR WEEKLY PRICE LIST.
WHOLESALE FLORISTS

Hardy Cut Ferns.

July 1st..... 50 cents per 1,000 lot. 45 cents per 5,000 lot. 42 cents per 10,000 lot.
Cash.

JOHN ABBOTT, Hinsdale, Mass.

GALAX Bronze or green, 75c per 1000, in 2 00 lots or over; single 100, $1.00. Fern, Fancy, $2.50 per 1000; Fern, Dagger, $1 50 per 1000. Leucothoe Sprays, bronze and green, assorted sizes, $1 per 100. Green sheet moss, $2.50 per bbl. bag.

L. J. KRESHOVER.

110-112 W. 27th Street, NEW YORK CITY.
Telephone call, 597 Madison Square.
HARRY A. BUNYARD, Mgr.

Wholesale Flower Markets

CHICAGO, June 27.

Roses, Beauty, 30 to 36-inch stems	3.00
" " 24 " "	2.00
" " 20 " "	1.50
" " 15 " "	1.00
" " 12 " "	.75
" " 6 to 8 " " per 100	4.00@ 5.00
" Bride, Bridesmaid	2.00@ 5.00
" Meteor	2.00@ 5.00
" Perle	2.00@ 5.00
" Golden Gate	2.00@ 5.00
Carnations	.75@ 1.50
Lily of the valley	4.00@ 5.00
Harrisii	6.00@10.00
Callas, per doz.	1.00@1.25
Cattleyas per doz.	6.00
Sweet Peas	.30@ .40
Asparagus, per string, .6 @ .75	
Adiantum	.75@ 1.00
Common ferns, per 100, $1.00	.15
Galax leaves, per 1000 $1.25	.15
Smilax per dozen 1.25@ 1.50	

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florists

31-35 Randolph St., CHICAGO.

Consignments solicited.....

LILY of the VALLEY

The finest now ready to cut.
Fine pips from cold storage, $13 per 1000.

H. N. BRUNS,

1409-1411 W. Madison St., CHICAGO.

Chicago Carnation Co., Joliet, Illinois

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SPECIAL ATTENTION GIVEN TO HARDY CUT **FERNS**

55-57 WABASH AVENUE,
Telephone Central 3284 CHICAGO.

GEO. REINBERG,

Wholesale Grower of *Cut Flowers*

Choice American Beauties.
We will take care of your orders at reasonable prices. Prompt attention.

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600,000 FEET OF GLASS.
Headquarters for American Beauty.

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TELEPHONE CENTRAL 3598. All telegraph and telephone orders given prompt attention.

American Florists Ads

Always do business,
Week days and every day
Sundays and holidays,
All over the country,
At home and abroad.

Select VALLEY IN QUANTITY.

During July and August will be open from 7.30 A. M. to 6.00 P. M. Saturdays, close at 1.00 P. M.

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Wholesale Florist,
1612-18 LUDLOW ST., PHILADELPHIA, PA.

GEO. A. SUTHERLAND,
34 Hawley St., BOSTON.
Telephone 1270 Main.
BEST BOSTON FLOWERS. All Supplies.
An entire floor Devoted to Stock and Manufacturing. Distributing Agent for United States for the wonderful

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LETTER, unequalled for design work. Script, any color, 3½c a letter. Block letters, 1½c each. The most elaborate design work to order in a few minutes.

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Fresh Flowers
— FOR —
Late Weddings
and any other occasion at bed-rock market rates.
106 W. 28th St., NEW YORK.
Telephone 167 Madison Square.
OPEN AT 6 A. M. DAILY.

N. F. McCARTHY & CO.
Best Quality
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and Supplies.
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Open for Cut Flower Sales at 6 o'clock Every Morning .....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.

LOW RATE EASTERN EXCURSIONS.

On July 5 to 9, inclusive, the Nickel Plate Road will sell tickets at one fare for round-trip to Portland, Me., and return, with final return limit August 15th. Particulars at City Ticket Office, 111 Adams St., Chicago. 25

Wholesale Flower Markets

BOSTON, June 26.

Roses, Beauty, extra	15.00@25.00
" " medium	10.00@15.00
" " culls	2.00@ 4.00
" Queen of Edgeley	10.00@25.00
" Bride, Bridesmaid, Meteor	1.00@ 3.00
" extra	4.00@ 8.00
Sweet Peas	.25@ .50
Carnations	1.00@ 2.00
Lily of the valley	2.00@ 4.00
Lilies	4.00@ 6.00
Spiræa, stocks	.50@ 1.00
Adiantum	.75@ 1.00
Asparagus	50.00
Smilax	10.00@12.00

PHILADELPHIA, June 25.

Roses, Tea	6.00@ 7.00
" " extra	7.00@ 8.00
" Beauty, extra	20.00@25.00
" " firsts	10.00@15.00
" Queen of Edgely, extra	20.00@25.00
" " " firsts	10.00@15.00
Carnations	1.00@ 3.00
Lily of the valley	3.00@ 4.00
Asparagus	25.00@50.00
Smilax	12.50@15.00

BUFFALO, June 26.

Roses, Beauty	7.00@35.00
" Bride, Bridesmaid, Meteor	4.00@ 8.00
Carnations	1.00@ 3.00
Lily of the valley	3.00@ 4.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.50

Give Us a Trial. We Can Please You.

Roses, Carnations and all kinds of Seasonable Flowers in stock.
WM. F. KASTING, Wholesale Commission Florist,
481 Washington St., Buffalo, N. Y.
Dealer in Florists' Supplies and Wire Designs.
Open Day and Night.

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55 and 57 West 26th St.,
WHOLESALE FLORISTS,
Daily Reports. Weekly Payments.
TELEPHONES:
2239 Madison Sq.
2034 Madison Sq.
J. A. MILLANG, MANAGER

GEORGE SALTFORD,
Wholesale Commission Florist,
46 West 29th Street, NEW YORK.
Fair dealing and prompt returns guaranteed.
Correspondence solicited.

ROVATZOS & MOLTZ
Buy and Sell.... FLOWERS on Close Margin.
Headquarters, 56 West 26th Street,
WRITE, TELEGRAPH OR TELEPHONE. Opposite Cut Flower Exchange, NEW YORK CITY.

HARDY CUT FANCY AND DAGGER..... **Ferns**

$1.00 per 1000, best quality; discounts on larger orders. Galax Green and Bronze, $1.00 per 1000; 5,000 to 10,000 lots, 75c per 1000. Laurel Festooning, 4c, 5c and 6c per yard. Also everything in the evergreen line, from a blade of grass to a 50 ft. tree. All orders by mail, telephone or telegraph promptly attended to.

HENRY M. ROBINSON & CO.
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Catalogue Illustrations.
We sell Electros of the fine illustrations used in the AMERICAN FLORIST at 15 cts. per square inch. Send list of your needs to.....
THE AMERICAN FLORIST CO.

Valley and Beauties
Of Extra Fine Quality.
WILL BE OPEN FROM 7:00 A. M. TO 6:00 P. M. AFTER JULY 1.

LEO. NIESSEN
Philadelphia.

FOR SEASONABLE FLOWERS

SEND TO

JOHN I. RAYNOR, WHOLESALE COMMISSION FLORIST.

Telephone 1998 Madison Square — 49 W. 28th St., NEW YORK.

YOUNG & NUGENT

Tel. 2065 Madison Sq. NEW YORK. 42 West 28th St.

Are supplying the most superb stock of SUMMER FLOWERS ever offered to New York buyers. Meteor, Liberty, Beauty, Bride and Maid Roses. Splendid Cattleyas Gigas and Mendellii.

SEND FOR QUOTATIONS.

Walter F. Sheridan,

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Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Telephone Nos. 2239 and 2034 Madison Square.

MOORE, HENTZ & NASH

Wholesale Commission Florists,

65 and 57 West 26th St., NEW YORK CITY.

Adjoining New York Cut Flower Co. salesroom.
Finest Salesroom in the Trade. Inspection Invited.
All business, selling or shipping, strictly commission.

WHOLESALE WILLIAM GHORMLEY, COMMISSION

RECEIVER AND SHIPPER OF FRESH CUT FLOWERS. DAILY STOCK OF ALL THE CHOICEST VARIETIES FROM BEST GROWERS WHO SHIP TO NEW YORK.

ORCHIDS, ROSES, CARNATIONS, VALLEY.

Telephone 2200 Madison Square, 57 WEST 28th STREET, NEW YORK CITY.

JOHN YOUNG

Special American Beauties,
Surpassing Carnations,
Lily of the Valley, Orchids,
and all Seasonable Flowers.

51 West 28th St., NEW YORK.
Tel. 1905 Madison Sq.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR

Violets and Carnations

GROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER,
30 West 29th St., New York.
Telephone 551 Madison Square.

Frank Millang

Open from 6 a. m. to 5 p. m.

Cut Flower Exchange, 55-57 W. 26th St.
Phone 299 Madison Square. NEW YORK.

ESTABLISHED 1672.

JOHN J. PERKINS,

COMMISSION FLORIST,

Solicits Consignments or Shipping Orders. Satisfaction given in both.

Write for Terms. 115 West 30th St., New York.

Bonnot Bros.

WHOLESALE FLORISTS.

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OPEN 6:00 A. M.

An Unequalled Outlet for Consigned Flowers.

Choice Carnations. Selected Roses.

Traendly & Schenck

NEW YORK CITY,

38 W. 28th Street, Cut Flower Exchange.

New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

NEW YORK, June 25.

Roses, Beauty, select	15.00@25.00
" " medium	6.00@10.00
" " culls	.50@ 1.00
" Bride, Bridesmaid	.50@ 6.00
" Liberty, Meteor	2.00@ 8.00
" Testout, Kaiserin, Carnot	4.00@ 8.00
Carnations	.75@ 1.50
Lily of the valley	2.00@ 4.00
Callas, Lilies	3.00@ 5.00
Sweet Peas, per 100 bunches, $2.00	
Cattleyas	25.00@35.00
" gigas	40.00@60.00
Smilax	8.00@10.00
Adiantum	.50
Asparagus	35.00@50.00
" Sprengeri, per doz. bun.	2.00@ 3.00

CHAS. MILLANG,

50 W. 29th St.,

NEW YORK.

When writing to any of the advertisers on this page please mention the American Florist.

FORD BROS.

Receivers and Shippers of

FRESH FLOWERS,

111 West 30th St., NEW YORK.
Telephone 157 Madison Square.

Julius Lang

53 West 30th Street, NEW YORK.

REPRESENTS THE BEST GROWERS OF

ROSES, CARNATIONS, VALLEY.

TELEPHONE 280 MADISON SQUARE.

ALEX. J. GUTTMAN,

Wholesale Commission Florist,

A full supply daily of the choicest New York and New Jersey

FLOWERS.

52 W. 29th Street, NEW YORK CITY.
Telephone 1738 Madison Square.

A. H. LANGJAHR,

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BEST FLOWERS SHIPPED AT LOWEST NEW YORK PRICES.

19 Bogarum Place, Brooklyn, N. Y.

TELEPHONE 939 MAIN.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.
Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE.

EDW. C. HORAN,

47 WEST 28TH ST.,

Tel. 421 Madison Square, ...NEW YORK.

CUT FLOWERS AT WHOLESALE.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

WALTER P. STOKES, Pres.; C. N. PAGE, First Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

SOME of the speculators in cowpeas regret investing so heavily.

JESSE E. NORTHRUP, of Minneapolis, expects to visit Chicago next week.

NEBRASKA seed crops are reported very backward on account of continued cold weather.

THE critical time, generally, for the California onion seed crop is between June 25 and July 10.

C. C. MASSIE, of Northrup, King & Co., Minneapolis, left June 27 to spend his vacation on the Pacific Coast.

SEVERAL of the southern vistors to the Seed Trade convention will spend their vacations this year in the vicinity of St. Paul and Minneapolis, including H. M. Schisler and wife, of St. Louis, and L. H. Archias and wife, of Sedalia, Mo.

The American Seed Trade Association.

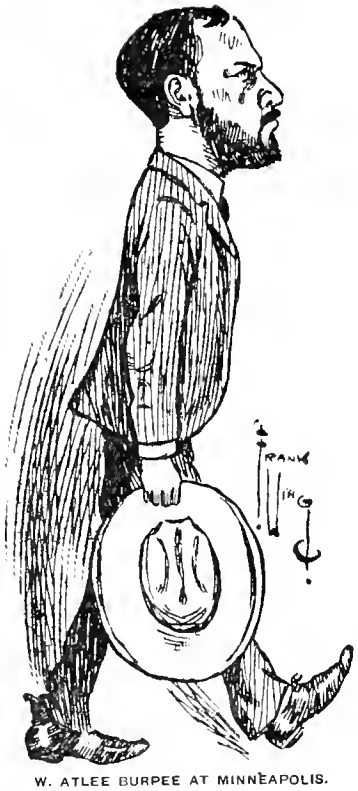
The twentieth annual meeting of the American Seed Trade Association, held at Minneapolis, June 24 to 26, was highly successful in attendance as well as in work accomplished. President Northrup called the meeting to order at eleven o'clock Tuesday forenoon. Prof. Conway MacMillan, of the University of Minnesota, delivered the address of welcome, on behalf of the Minneapolis Commercial Club, to which fitting response was made by C. L. Allen, of Floral Park, N. Y. An amendment to the by-laws, relating to the election of members, having been adopted, Secretary Willard read his report, which showed that the association is in a prosperous condition. The following twenty-two firms or individuals were then admitted to membership:

Cadwell & Jones Hartford, Conn.; Fred. Meier, Sleepy Eye, Minn.; Geo. A. Weaver Co., Newport, R. I.; John Bodger & Son, Santa Paula, Cal.; R. G. Craig & Co., Memphis, Tenn.; J. Will Jefferson, of John R. Watts & Co., Louisville, Ky.; L. Tewelles & Co., Milwaukee, Wis.; L. H. Archias, Sedalia, Mo.; Missouri Valley Seed Co., St. Joseph, Mo.; N. J. Burt & Co., Burlington, Ia.; A. E. McKenzie & Co., Brandon, Manitoba; Funk Bros. Seed Co., Bloomington, Ill.; W. A. Barrett, Adrian, Mich.; Hickox, Mull & Hill Co., Toledo, Ohio; E. W. Conklin & Son, Binghamton, N. Y.; Farmer Seed Co., Faribault, Minn.; C. C. Hunter, Minneapolis, Minn.; Chas. P. Braslan, San Jose, Cal.; Theo. Koss, Milwaukee, Wis.; Crocker Seed Co., Minneapolis, Minn.; Sioux City Seed & Nursery Co., Sioux City, Ia.; A. A. Berry Seed Co., Clarinda, Ia.

At the afternoon session Dr. B. T. Galloway, of the Department of Agriculture, Washington, D. C., addressed the members on government seed distribution, but added nothing new to present knowledge of the subject. Secretary Wilson, contrary to programme, did not put in an appearance. The visitors spent the remainder of the day as guests of the Minneapolis members of the association, dinner being served to a party of about 125 at the St. Louis Hotel, followed by a very enjoyable trip on Lake Minnetonka.

On Wednesday the report of the committee on tariff customs and express rates was taken up and it was the general opinion that the laws affecting same should be changed. The committee will look into the matter further. A resolution indorsing the World's Fair at St. Louis in 1904 was passed. In the afternoon Prof. MacMillan delivered a brief, but highly interesting discourse on the "Fundamental Structure of Seeds," illustrated by microscopic projections. The party was then taken in hand by L. L. May, of St. Paul, and given a very enjoyable trip on the Mississippi, followed by a tally-ho ride in St. Paul and an elaborate luncheon at the Commercial Club, of the same city. Later in the evening Mr. May's extensive party made a brief sojourn in Como park, where light refreshments were served.

The proceedings of Thursday opened with routine business and numerous papers were read during the day. One of the most interesting was that of Walter P. Stokes, on "Rural Free Delivery," and that of J. C. Vaughan, "The Dollar and the Test," attracted much attention. Much valuable information was given by S. F. Leonard, on "Uniform Order Sheets." "Contracts" were discussed by Albert McCullough, "Collection Bureau"



W. ATLEE BURPEE AT MINNEAPOLIS.
(From the *Minneapolis Journal.*)

by C. H. Breck, and Seed Trade Association work in general by F. H. Ebeling, W. Atlee Burpee, Mel. L. Webster, S. E. Briggs and H. H. Harries.

The following resolution of the obituary committee was adopted unanimously:

The members of the American Seed Trade Association convened at Minneapolis, June 25 1902, extend to the sorrowing family and friends of the late Herbert A. Clark their sympathy and here record their appreciation of his sterling Christian character, his straightforward, cordial manner, his prompt and manly dealings. Through his loss we miss for the first time in twenty years the ever welcome presence and wise counsel of Everett B. Clark and all reach to him and his family the hand of friendship to-day. We hope their hearts may be upheld and consoled in this deep trouble. Signed,

J. C. VAUGHAN,
W. S. WOODRUFF, } Committee.
W. ATLEE BURPEE,

The officers selected for the ensuing year are as follows: President, Walter P. Stokes, of Johnson & Stokes, Philadelphia; first vice-president, C. N. Page, of the Iowa Seed Company, Des Moines, Ia.; second vice-president, C. S. Burge, Toledo, O.; secretary and treasurer, S. F. Willard, Wethersfield, Conn.; assistant secretary, A. N. Clark, Millford, Conn.; executive committee, W. Atlee Burpee, J. C. Vaughan, H. W. Wood, H. G. Courteen and W. H. Grenell.

At the close of the meeting Jesse E. Northrup, the retiring president, was presented with a silver loving cup and L. L. May with a handsome bronze fern dish. Visiting ladies were given a tally-ho ride about the city in the afternoon and the entire party joined in a trip to Lake Harriett, where Ellery's Italian band closed the proceedings with its sweetest strains. The local press gave the meetings liberal notices and printed portraits of Jesse E. Northrup, S. F. Willard, S. F. Leonard, F. Barteldes, W. Atlee Burpee, C. L. Allen and Dr. B. T. Galloway.

THE VISITORS.

In addition to those named as traveling with the Chicago party, the following were registered:

L. L. May and S. D. Dysinger, St. Paul; Frank T. Emerson and J. C. Robinson, Waterloo, Neb.; H. G. Windheim, Omaha; J. G. Peppard, Kansas City; F. W. Barteldes Lawrence, Kans.; C. N. Page and A. H. Luck, Des Moines, Ia.; Mel. L. Webster, Independence, Ia.; N. J. Burt, Burlington, Ia.; B. P. Cornell, H. M. Schisler and F. S. Plant, St. Louis; J. E. Sloan, of D. L. Sloan & Son, Palo Alto, Cal.; H. J. Sewles, S. G. Courteen and R. M. Koss, Milwaukee; Chas. S. Burge, Toledo; A. G. Samuel, of the Missouri Valley Seed Co., St. Joseph, Mo.; L. H. Archias, Sedalia, Mo.; B. Fink, Fayette, Ia.; P. G. Holden, Bloomington, Ill.; Fred. Meier, Sleepy Eye, Minn.; S. F. Manglesdorf, Atchison, Kans.; O. H. Will, Bismarck, N. D.; F. D. Craig, Memphis, Tenn.; H. F. Conklin, of E. W. Conklin & Son Binghamton, N. Y.; A. A. Berry Clarinda, Ia.; Fred. B. King and S. M. Pease, Rochester; H. W. Wood, Richmond, Va.; L. H. Coryell, Oshawa, Ont.; R. Bolgiano, Baltimore; C. P. Braslan, San Jose, Cal.; S. F. Willard, Wethersfield, Conn.; W. H. Barrett, Adrian, Mich.; A. F. McKenzie, Brandon, Manitoba; E. J. Sheap, with S. M. Isbell & Co., Jackson, Mich.; Jerome B. Rice, Cambridge, N. Y.; J. S. Michaels, Sioux City, Ia.; L. L. Olds, Clinton, Wis.; Wm. Kueker, Faribault, Minn.; Burnet Landreth, Philadelphia; J. I. Reynolds, Kansas City; F. W. Bruggerhof, New York.

The ladies in attendance included Mrs. C. S. Clark, Mrs. W. S. Woodruff Mrs. Jerome B., and Misses Margurite and Josephine Rice, Mrs. Lovejoy, Mrs. L. L. May, Mrs. Preston King, Mrs. W. Atlee Burpee, Mrs. Chas. S. Burge, Mrs. O. H. Dickinson, Mrs. H. M. Schisler, Mrs. L. H. Archias, Mrs. Chas. P. Braslau, Mrs. J. C. Robinson, Misses Jessaline, Sadie and Isabel Northrup, Mrs. C. C. Massie, Mrs. W. H. Crossland, Mrs. S. G. Courteen, Mrs. R. M. Koss, Miss Grace May and Miss Nina Olds.

Chicago to Minneapolis.

A large party of the seedsmen bound for the Minneapolis meeting of the American Seed Trade Association, left Chicago in the special cars of the C. M. & St. P. Pioneer Limited at 6:30 p. m., June 23. The visitors had dinner on the train as the guests of Chicago seedsmen and the trip proved very enjoyable to all concerned. The party included the following:

C. L. Allen, Floral Park, N. Y.; Alfred J. Brown, Grand Rapids, Mich.; W. W. Templin, Calla, O.; G. B. McVay, Birmingham, Ala.; W. E. Stone, with Churchill & Co., Toledo, O.; Walter P. Stokes of Johnson & Stokes, Philadelphia; J. H. Ford, of the Ford Seed Co., Ravenna, O.; W. F. Jones of Cadwell & Jones, Hartford, Conn.; W. H. Grenell and A. T. Farred, Saginaw, Mich.; Frank H. Battles and F. A. Stecher, Rochester, N. Y.; Prof. B. T. Galloway, Washington, D. C.; S. E. Briggs and E. F. Crossland, of the Steele, Briggs Seed Co., Toronto; W. C. Langbridge, with the Jerome B. Rice Seed Co., Cambridge, N. Y.; E. L. Page, of the Page Seed Co., Greene, N. Y.; C. S. Clark and Mrs. Clark, Wakeman, O.; F. H. Frank, of Frank Bros. Seed Co., Bloomington, Ill.; John T. Buckbee, Rockford, Ill.; Clyde H. Walker and R. R. Ricketts, of the Springfield Seed Co., Springfield, Mo.; W. S. Woodruff and Mrs. Woodruff, Orange, Conn.; O. H. Dickinson, with B. L. Bragg & Co., and Mrs. Dickinson, Springfield, Mass.; Albert McCullough, J. Chas. McCullough, Geo. H. Parvin, with J. M. McCullough's Sons; B. W. Dulaney, with J. Chas. McCullough, Cincinnati; W. W. Barnard, Edw. S. Leonard, S. F. Leonard, M. Barker, Leonard H. Vaughan, J. C. Vaughan Peter Hollenbach, A. H. Goodwin, Howard H. Harries, Frank B. White, E. W. Rankin, Geo. S. Green, of the Illinois Seed Co.; G. N. Davis, of the Albert Dickison Co.; E. P. Daggart, western representative of the Stecher Lithographic Co., all of Chicago. Another party, including W. Atlee Burpee and Mrs. Burpee, left ahead of the main Chicago contingent.

H. H. BERGER & CO.'S PRICE LIST

JULY DELIVERIES.

	12	100	1000
L. HARRISII, Bermuda grown, secured from best and healthiest stock obtainable on the island—5x7 in. circ	$ .75	$5 00	$45 00
7x9 in. circ. (scarce)	1.50	11.00	105.00
9x11 in. circ. (very scarce)	2.50	22.00	
OXALIS, Bermuda Buttercup, bright yellow, 1st size	.20	1.00	9.00
2d size	.15	.85	7.00
FREESIA REFRACTA ALBA, our well-known stock, same as we have grown in California for 15 years ⅝x½-in. diameter	.10	.40	3.00
½x¾-in. diameter	.12	.60	4.50
Mammoth, ¾-in. up	.15	.85	7.00

August and September.

	12	100	1000
L. CANDIDUM, (St. Joseph's Lily), best Northern grown stock known as **Thick Petaled,** best for forcing as well as out door use	$ .75	$5.00	$15.00
2d size bulbs, 20 in. circ. up	.60	4.50	40.00
CALLA AETHIOPICA, from our California fields, sound, healthy roots with good center shoots: 3x5 in. circ. fine blooming	.60	4.00	35.00
4x6 in. circ	.75	5.50	50 00
5x7 in. circ	1 00	7.50	70.00
Monster (scarce)	1.50	10.00	
HYACINTHS, French Roman: Prices on Fr Rm white are **Net**			
White, 11x12 cm	.25	2.00	18.00
White, 11x15 cm	.30	2 25	21.50
White, 12x15 cm	.35	2 50	23.00
White, 13x15 cm., very scarce	.40	3 00	27.50
Single blue	.30	2.00	18 50
Double light rose	.40	2.25	20 00
Double dark rose	.40	2.25	20.00
Hyacinths, red skinned Italian, pure white, extra large bulbs	.40	2 40	22.00
Allium Neapolitanum, fine forcer.	.15	.50	4.00
NARCISSUS, Paper White, true grandiflora, 13 cm. up	.15	1 00	8 00
Trumpet Major, French stock, extra early forcer	.20	1.00	9.00
Grand Soleil d'Or, golden yel.	.25	1.50	14.00
Dbl. Roman, for early cutting	.15	1.00	8.00

HYACINTHS.

	12	100	1000
Dutch Roman or Miniature, in best named forcing sorts, same varieties as Dutch Hyacinths, equal proportions of color, your choice, 12-14 cm.	$ .30	$2.00	$18 00
In separate colors, mixed sorts	.25	1.75	16.50
Best forcing mixture, 15 cm. and over, separate colors, single or double, pure white, blush white, rose red, light blue, dark blue, yellow	.40	2.75	25 00

Dutch Named Hyacinths.

BEST FORCING SORTS.

Single White—Alba Superbissima. B. Von Thuyl, Grandeur a Merveille, La Grandesse, Mme. V. der Hoop, Blanchard, Paix de l'Europe.

Double White—La Virginite, La Tour d'Auvergne, Bouquet Royal.

Single Rose and Red—Charles Dickens, Gertruda, Gigantea, Lord Macaulay, Moreno, Norma, B. Von Thuyl, Roi des Belges Robert Steiger.

Double Rose and Red—Noble par Merite, Bouquet Tendre, Bouquet Royal.

Single Blue—Baron Von Thuyl Chas. Dickens, Czar Peter, Grand Lilas, Leonidas, La Peyrouse, Marie, King of the Blues, Regules.

Double Blue—Bloksberg, Chas. Dickens, Garrick.

Single Yellow—La Citronniere, Ida, Herman.

1st size, **Exhibition Bulbs,** 18 cm. and over, $1.00 per doz; $7.00 per 100; $65.00 per 1000.

Same sorts, 2d size, 17 to 18 cm., 75c per dozen; $5.00 per 100; $45.00 per 1000.

NARCISSUS or DAFFODILS.

SINGLE, EXTRA FINE BULBS.

	12	100	1000
Horsfieldi, white petals, golden trumpet	$ .30	$2.00	
Emperor, primrose petals, deep yellow trumpet	.30	2 00	
Golden Spur, very early, enormous flowers, rich gold trumpet	.50	3.00	
Henry Irving large golden yel.	.60	4.00	
Incomparabilis, sin. yel. forcer.	.15	.65	$5.00
" Cynosure, bright orange cup, early	.15	.65	5.00
" Stella white Golden cup, fine forcer		.60	5.50
Poeticus, Pheasant's Eye	.10	.45	3.50
Poeticus Ornatus, great forcer.	.20	.90	7.00
Princeps, very best for forcing	.15	.75	6 00
Mixed Narcissus, sin., fine sorts	.20	1.00	8.00
Mixed Narcissus, single Trumpets, fine sorts	.20	1.00	8.00

DOUBLE NARCISSUS.

	12	100	1000
Alba plena or ornata	$ .15	$ .65	$5.00
Incomparabilis, (Butter and Eggs) fine forcer	.15	.75	6.00
Orange Phoenix	.20	1.10	9.50

VON SION, Holland Grown.

	12	100	1000
Pure yellow, double Daffodil, first size bulbs, X	$ .15	$1.00	$10.00
Top size bulbs, XX	.25	1.50	13 00
Extra double nosed, Mammoth XXX	.30	2.00	18 00
Double mixed Narcissus	.20	.85	7.00

Narcissus, Chinese Sacred Lily.

Grown in China, **same reliable stock** we first imported in 1884 on Pacific Coast and handled ever since. Basket contains 36 bulbs, 4 baskets in mat.

	12	100	1000
Mammoth bulbs	$ .75	$5.00	$40.00
1st size	.50	3.50	30.00

Tulips, Extra Fine Bulbs.

Single. Those marked * are best for early forcing.

	12	100	1000
Artus, scarlet	$ .15	$ .85	$ 7.50
*Belle Alliance, finest scarlet forcer (scarce)	.25	1.25	11 50
Cardinal's Hat, dark red	.15	.80	7.00
*Chrysolora, pure yellow	.20	1.00	9.00
*Cottage Maid, rose and white.	.15	1.00	8.00
*Couleur Cardinal, brilliant crimson	.30	2.00	18.00
*Duchesse de Parma, orange red	.10	.60	5.50
Jagt V. Delft, fine white	.10	.90	7.00
J. Van Vondel, cherry red and white	.15	1.00	8.00
*Keizerskroon, red and yellow, extra fine	.15	1.00	9 00
*La Reine, white, shaded rose	.10	.90	7.00
*l'Immaculee, white, fine forcer	.10	.60	5.50
*Mon Tresor, earliest yellow	.30	2.00	17.00
Pottebakker, pure yellow	.30	2 00	18.00
Pottebakker, pure scarlet	.15	1.00	9.00
Pottebakker, pure white	.20	1.25	10.00
Pottebakker, yellow, red striped	.20	1.25	10.00
*Proserpine, most beautiful rose	.25	1.75	16 00
Rosamundi, pink	.10	.80	7 00
*Rose Griseelin, fine rose.	.25	1.50	13.00
*Vermilion, brilliant, true, extra fine scarlet	.40	2.25	20.00
Wouwerman, violet	.15	1.00	9.00
*Yellow Prince, sweet scented	.15	1.00	9.00
Duc van Thol,			
Early sin. scarlet, best forcer	.15	1.00	8.00
Early single rose, best forcer.	.25	1.50	13.00
Early sin. white, best forcer.	.25	1.50	12.00
Early single yellow, true	.25	1.60	15.00
Early single red and yellow	.15	.85	7.00
Single early Tulips, in very choicest mixture	.10	.75	6.00
Do., fine mixture	.10	.40	4.50

DOUBLE EARLY TULIPS.

	12	100	1000
*Couronne d'Or, finest yellow	$ .50	$3.00	$27.00
Duc van Thol, red and yellow.	.15	.85	7.50
Duke of York, red edged white	.20	1.00	8.00
*Gloria Solis, red, yellow bord r	.20	1.00	8.00
*Imperator Rubrorum, fine scar.	.30	2.00	17.00
La Candeur, white, extra fine bedding	.20	1.00	8.00
Le Blason, blush pink	.25	1.50	12.00
*Murillo, most beautiful rose	.30	2.00	18.50
Purple Crown, very large	.15	.85	7.50
Rex Rubrorum, finest scarlet bedder	.20	1.25	10 00
Rose Blanche fine white bedder	.15	.90	8.00
*Tournesol, red and yellow	.20	1.25	10.00
*Tournesol, pure yellow (true).	.35	2.50	22.00
Dbl. Tulips, very choicest mix.	.15	.85	7.00
Dbl. Tulips, fine quality mixed	.15	.75	6.00

SINGLE LATE TULIPS.

	12	100	1000
Bizzares, yellow ground, finest sorts	$ .15	$ .90	$ 8.00
Bybloemen, white ground, finest sorts, flecked violet, crimson or maroon	.15	.85	7.00
Bybloemen, rosy, flecked white	.15	.85	7.00
Darwin's superfine, mixed	.35	2 00	18.00
Parrots, choicest mixed	.15	.85	7.00
Gesneriana, scarlet, black center, true tail variety	.20	1.00	9.00
Single Tulips in separate colors, yellow, scarlet, white, rose, striped, violet	.20	1.00	8.50

CROCUS.

	12	100	1000
White, blue, purple, striped or yellow, in separate colors, extra fine large bulbs		$ .30	$2.00
Named sorts, extra fine large bulbs		.40	2.50
Extra mammoth yellow	.10	.50	4.00

JONQUILS.

	12	100	1000
Single, sweet scented	$ .10	$ .50	$ 3.00
Double, golden yellow	.20	1.25	10.00
Large single Campernelle	.10	.50	3.75
True variety Campernelle Rugolosus, best paying forcer	.15	.65	5.50

LILIES.

L. LONGIFLORUM, Japan grown. We will supply the same grade of this lily we first handled twenty years ago. Reliable in every instance. We offer sound, well-matured bulbs, no unripe stock.

	12	100	1000
5x7 in. circ	$ .30	$1 75	$15.00
6x8 in. circ	.40	2.25	20 00
7x9 in. circ	.50	3.50	32.00
9x10 in. circ	.75	5.75	53.00
10x11 in circ	1.25	9.00	80.00

L. LONGIFLORUM MULTIFLORUM—Forces considerably earlier, we supply the true variety, **NARROW-LEAVED.**

	12	100	1000
6x8 in. circ	.45	2.75	25.00
7x9 in. circ	.65	4 00	35.00
9x10 in. circ	1.00	7.00	60.00

L. LONGIFLORUM GIGANTEUM, black stem, same price as Longiflorum Multiflorum.

Ask for Prices on

LILY OF THE VALLEY, AZALEA INDICA, JAPAN BULBS.

TERMS—60 days Net on approved references, unless otherwise agreed. 3 per cent Cash Discount if paid in thirty days. 5 per cent Discount on all orders accompanied by Cash. **Liberal Discount on Larger Orders. Prices Subject to Crop Conditions.**

Address H. H. BERGER & CO.

ESTABLISHED 1878. **47 Barclay St., New York City.**

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

CHAS. A. ILGENFRITZ, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y. Twenty-eighth annual convention, Detroit, Mich., June, 1903.

JACOB W. MANNING, of Reading, Mass., has been in the nursery business at the same place for forty-eight years.

SOME of the big nurserymen are using excelsior instead of moss, for packing material, and say it is not only cheaper but better.

JOHN F. MORRIS, president of the Pennsylvania Horticultural Society, advocates the use of the double flowering cherry as a street tree.

E. W. KIRKPATRICK has sold his nursery at McKinney, Tex., and retired from active business although he continues as president of the Texas Nursery and Floral Company, of Sherman.

CHARLES E. GREENING, of Greening Bros., Monroe, Mich., gave an address on planting home grounds, illustrated by photographs, at the June meeting of the Grand River Horticultural Society, at Grand Rapids, Mich.

GEORGE B. GALBRAITH, of Fairbury, Neb., reports that there is a rapidly growing demand in Nebraska and surrounding states for forest trees of kinds adapted to the climate. Mr. Galbraith reports prosperous conditions in Nebraska and has doubled his storage capacity, having recently completed a cellar 64x100 feet, and nine feet in depth.

American Association of Nurserymen.

The following are the state vice-presidents selected at the Milwaukee meeting:

Alabama, W. F. Heikes, Huntsville.
Arkansas, G. A. Gamble, Fort Smith.
Colorado, G. J. Speer, Greeley.
Connecticut, J. H. Hale, So. Glastonbury.
Delaware, Alex. Pullen, Milford.
Florida, G. L. Tabor, Glen St. Mary.
Georgia, C. T. Smith, Concord.
Illinois, I. E. Spaulding, Spaulding.
Indiana, E. Albertson, Bridgeport.
Indian Territory, J. A. Taylor, Wynnewood.
Iowa, Samuel Lorton, Davenport.
Kansas, A. G. Griesa, Lawrence.
Kentucky, F. N. Downer, Bowling Green.
Maryland, C. M. Peters, Snow Hill.
Massachusetts, Jacob Manning, Reading.
Michigan, Chas. E. Greening, Monroe.
Minnesota, E. A. Smith.
Missouri, J. W. Schuette, St. Louis.
Nebraska, H. W. Marshall, Arlington.
New Hampshire, Jno. C. Chase, Derry.
New Jersey, Hiram T. Jones, Elizabeth.
New York, D. H. Henry, Geneva.
North Carolina, J. Van Lindley, Pomona.
Ohio, J. W. Gaines, Xenia.
Pennsylvania, Earl Peters, Uriah.
Tennessee, J. C. Hale, Knoxville.
Texas, E. W. Kirkpatrick, McKinney.
Utah, Wm. Young, Salt Lake City.
Virginia, R. A. Wickersham, Winchester.
Wisconsin, T. J. Ferguson, Milwaukee.

President C. A. Ilgenfritz has reappointed the standing committees, as follows:

Legislation, C. L. Watrous, Silas Wilson, Chas. J. Brown and Howard A. Chase.

Tariff, Irving Rouse, T. B. Meehan and J. H. Dayton.

Transportation, A. L. Brooke, Wm. Pitkin, Peter Youngers and N. W. Hale.

New England Park Superintendents.

The fifth annual meeting of the Association of New England Park Superintendents was held in Boston on Friday and Saturday, June 20 and 21. The business meeting was held at the Quincy House on Friday evening and officers for the coming year were elected as follows: President, J. D. Fitts, Providence, R. I.; vice-presidents, A. W. Smith, Portland, Me.; W. H. Richardson, Concord, N. H.; Chas. S. Anthony, Taunton, Mass., and Theo. Wirth, Hartford, Conn.; secretary, J. W. Duncan, Boston; treasurer, J. H. Hemingway, Worcester, Mass.

The annual banquet followed, about fifty gentlemen participating and James Draper, of Worcester, acting as toastmaster. He introduced first the retiring president, J. A. Pettigrew, who briefly addressed the society in words of congratulation and welcome. T. W. Cook, of New Bedford, responded in eloquent appreciation of the cordial hospitality of the Boston people and anticipation of the joys of the morrow in inspecting the many beautiful park reservations of the city. President G. H. Fox, of the Cambridge Park Board, extended a cordial invitation to visit the park system of his city and told briefly of the work being accomplished, especially along the shores of Charles river, on which $850,000 have already been expended. W. S. Egerton, of Albany, responded to Mr. Fox's invitation.

A pleasant feature was next in order, the presentation by Nathaniel Morton, of Plymouth, on behalf of the members, of a handsome gold watch and chain to the retiring secretary, G. A. Parker, of Hartford. Mr. Morton's allusion to Mr. Parker's devotion and faithfulness in his duties met with an uproarious response and the recipient of the gift was completely non plussed, a vigorous rendition of "For he's a jolly good fellow" even failing to unloose his eloquence and all he could say was "I thank you." Then followed an address by Prof. A. H. Kirkland on the subject of insect problems, illustrated by lantern slides, and J. K. M. L. Farquhar concluded the exercises with a talk on plant life in Hawaii, also illustrated with beautiful stereopticon views. Throughout the evening entertaining songs and recitations were rendered by "Chick" Fox, assisted by a fine quartette and orchestra.

Saturday was spent in a carriage ride, taking in the Charles bank, with its gymnasiums and playgrounds, the Cambridge park reservations and historical grounds, the Esplanade, Riverway, Back Bay Fens, Olmsted Park, Arnold Arboretum, Franklin Field and Franklin Park under the guidance of Mr. Pettigrew. Refreshments were lavishly served at the Colonial Club in Cambridge, Pine Bank and Franklin Field. The following named gentlemen were present:

A. W. Smith, Portland, Me.; B. Worthen, Manchester, N. H.; Jos. D. Fitts, Providence, R. I.; J. S. Viles, Montpelier, Vt.; W. S. Egerton, Albany, N. Y.; H. D. Goodale and J. W. Thompson, Watertown, N. Y.; Chas. Haible, Newburg, N. Y.; Leonard Barron, New York City; G. N. Amrhein, New Haven, Conn.; H. C. Fuller, New London, Conn.; Walter Hubbard, Meriden, Conn.; Chas. E. Keith, Bridgeport, Conn.; H. G. Clark, R. N. Clark, J. F. Huss, C. R. Karlstrom, H. J. Koehler, G. A. Parker, Theo. Wirth, Hartford, Conn.; Frank Dings, Hyde Park, Mass.; H. W. West, Crescent Beach, Mass.; H. E. Whiting and Geo. H. Cox, Cambridge, Mass.; Jno. A. Dunn, Gardner, Mass.; Nathaniel Morton, Plymouth, Mass.; Jno. C. Olmsted, Brookline, Mass.; Henry Frost, Haverhill, Mass.; Chas. W. Ross, Newton, Mass.; Edmund Putnam, Beverly, Mass.; A. P. Capen, Holyoke, Mass.; Chas. Smith, Fall River, Mass.; Isaac Kelly, Lawrence, Mass.; Thos. W. Cook, New Bedford, Mass.; Christ. Clark, Northampton, Mass.; Robt. Elder, Waverley, Mass.; Chas. S. Anthony, Taunton, Mass.; C. P. Price, Stoneham, Mass.; H. A. Hastings, Springfield, Mass.; E. P. Adams, Medford, Mass.; Amos Stillman and Col. H. A. Hale, Salem, Mass.; Jas. Draper and J. H. Hemingway, Worcester, Mass.; Jackson Dawson, J. W. Duncan, J. A. Pettigrew, D. H. Sheehan, G. R. Clark, J. K. M. L. Farquhar, Ed. Hatch, Prof. A. H. Kirkland and W. J. Stewart, Boston.

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Send for our wholesale price list.

LAUREL HILL Nurseries, F. BRUNTON Manager.

Importers and growers of Choice Hardy Perennials. Native Trees, Shrubs, Specimen Evergreens. We grow large quantities of Iris, Paeonias, Tritomas, Phlox, Delphiniums; stock is perfectly hardy, true to name. Send for Special Catalogue of New Hardy Alpine Iris, now in the press. STOCKBRIDGE, MASS., U. S. A.

B. W. DIRKEN,

Oudenbosch, Holland.

ORNAMENTAL AND FOREST TREES A SPECIALTY.

Conifers, Evergreens, Hollies, Etc.

Prices on Application.

Watch This Space

FOR FUTURE BARGAINS.

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Greenhouses, Niles Center, Ill.

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will find whatever they want in the

Holland Nurseries, DeBilt near Utrecht

HOLLAND.

SPECIALTIES ARE: Conifers, Evergreens, Hardy Shrubs, Lilacs, Ornamental Trees, Fruit Trees in different forms, Azaleas, Rhododendron Ponticum and Hybridum.

Please send list of your wants and write for general catalogue. We will make you special offers. Write to

GROENEWEGEN & ZOON,

De Bilt, near Utrecht, Holland.

All The Best CARNATIONS

Orders booked now for fall delivery.

SEND FOR PRICES.

Rooted cuttings and young plants all out.

GEO. HANCOCK & SON,

GRAND HAVEN, MICH.

Burbank's Shasta Daisy

Plants, 25c each; $2.50 per doz.; $15.00 per 100. Seed, 50c per 100, prepaid.

CALIFORNIA CARNATION CO.

LOOMIS, CAL.

Bay Trees

1,000 SPECIMENS, PYRAMIDS and STANDARDS. We are the largest importers in America.

BOXWOOD PYRAMIDS AND STANDARDS, globe and bush.

250,000 BOXWOOD EDGING.

KENTIAS

Belmoreana and Forsteriana, Araucarias and Aspidistras

We have just received the largest shipment of Palms ever brought to U. S. Send for catalogue and special prices. We import **BULBS** in large quantities. Send us lists for quotations. When in New York City don't fail to visit our nurseries.

BOBBINK & ATKINS,
RUTHERFORD, N. J.

Please mention the American Florist when writing.

ESTABLISHED 1802

THORBURN'S SEEDS

CYCAS REVOLUTA STEMS.

We have just received a large shipment in assorted sizes from 3 to 12 pounds (most of them 8 or 10 pounds) which we offer at 10c per pound. Special price on large quantities.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

YOUNG ROSE Stock

Cuttings from Grafted Plants.

3 inch Maids, Brides and Meteors, $5.00 per 100; $45.00 per 1000.
3½-inch Maids, Brides and Meteors, $6.00 per 100; $55.00 per 1000.

ADIANTUM CUNEATUM.

2½-inch pots, $2.75 per 100; $22.50 per 1000; 6-inch pots, $35.00 per 100.

Cash with order. Send for sample.

The F. R. Williams Co.
CLEVELAND, OHIO.

DREER'S RELIABLE

Cinerarias, Primulas, Etc.

Our strains of the following important florists' flowers have been selected with the greatest care and nothing finer in quality can be had at any price:

		½ trade pkt.	Trade pkt.
CINERARIA,	Dreer's Prize Dwarf	$ .60	$1.00
"	Dreer's Prize Tall	.60	1.00
"	Dreer's Choice Dwarf		.50
"	Dreer's Choice Tall		.50
CALCEOLARIA,	large flowered tigered and spotted	.60	1.00
		100 seeds	1000 seeds
CYCLAMEN GIGANTEUM,	pure white	$ .75	$6.00
"	" rose	.75	6.00
"	" blood red	.75	6.00
"	" white with carmine eye	.75	6.00
"	" finest mixed	.60	5.00

CHINESE

FRINGED PRIMULA.

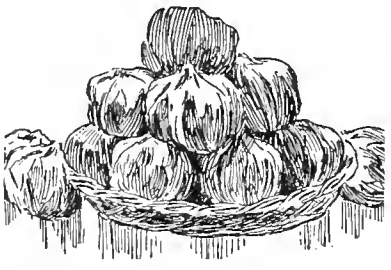
Half trade packet of any of the following, 60c.
Full trade packet of any of the following, $1.00.
A trade packet contains from 500 to 1000 seeds, according to the variety.

ALBA, pure white.
ALBA MAGNIFICA, an extra fine white.
RUBRA, dark red.
CHISWICK RED, bright scarlet.
RUBRA VIOLACEA, iridescent red.
ROSY MORN, delicate pink.
KERMESINA SPLENDENS, crimson.
HOLBORN BLUE, odd shade.
FERN-LEAVED, mixed colors
DREER'S CHOICEST MIXED, a grand mixture containing nothing but the best sorts.

Henry A. Dreer 714 Chestnut St. Philadelphia, Pa.

LILIUM HARRISII

The Only True St. David's Stock for Early Forcing.



Numerous growers who have grown them will bear us out in this assertion, owing to the small percentage of growing bulbs showing disease. Convince yourself and dispell the doubt by letting us have a small portion of your order. Bulbs will be ready for delivery July 15th.

Wm. Elliott & Sons, New York.

Asparagus PLUMOSUS NANUS....

From flats, $2.50 per 100; $20.00 per 1000. 25 at 100 rates; 250 at 1000 rates, prepaid. CASH.

LOOMIS FLORAL CO.
LOOMIS, CAL.

Please mention the American Florist when writing.

100,000 SMILAX.

Strong plants from 2½-in. pots, ready for planting, $1.25 per 100; $10.00 per 1000; $45.00 per 5000.

Double Fringed Petunias.

If you want stock of Petunias forward us your order at once and secure a superb collection of ten novelties. Strong plants from 2½-inch pots, in bud and bloom, $1.25 per 100; $10.00 per 1000; 250 at 1000 rate. Cash.

The W. T. Buckley Plant Co., Springfield, Ill.

Please mention the American Florist when writing.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 79 Milk St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Flatbush.

Thursday evening, June 26, was a gala occasion at the Flatbush alleys, for President Charles Zeller was presented, by his fellow members of the Bowling Club, with a beautiful silver loving cup suitably inscribed in honor of his seventy-fifth birthday anniversary. The presentation was made by Eugene Dailledouze at a little lunch following the weekly

CHARLES ZELLER.
(President Flatbush Florists' Bowling Club.)

game. Mr. Zeller made an appreciative response and each gentleman present spoke a few words, congratulatory and expressive of the affectionate esteem in which the old gentleman is held.

At Philadelphia.

The second trial match to select the team for Asheville was rolled last Wednesday evening on unfamiliar alleys, which looked good but proved difficult, for splits were more numerous than strikes. The point winners were. Connor, 475; Gibson, 450; Moss, 417; Starkey, 417; Watson, 412; Kift, 404, and Robertson, 401. The total scores follow:

Player	1st	2d	3d	T'l
Connor	171	118	186	475
Moss	164	128	125	417
Gibson	188	148	114	450
Robertson	146	138	117	401
Westcott	133	108	104	345
Kift	128	134	146	404
Habermehl	145	157	122	434
Dunlop	134	116	141	391
Andersoo	137	136	91	364
Polites	129	121	123	373
Starkey	165	133	119	417
Adelberger	119	141	121	381
Harris	110	99	120	329
Watson	157	125	130	412
Craig	128	120	108	356
Falk	104	122	101	327

K.

PEORIA, ILL.—D. U. Ausburger will rebuild four of his houses this season.

Providence, R. I.

HORTICULTURAL SOCIETY HOLDS ANNUAL ROSE SHOW.—ATTENDANCE LIGHT.—TRADE GOOD.—VARIOUS LOCAL NOTES.

The Rhode Island Horticultural Society held its annual exhibition of roses and strawberries on Thursday, June 19, and made the usual good display. In flowers, special mention should be made of the Misses Marion and Josephine Kirby, of Warwick, and S. H. Manchester for their showing of hardy roses. Mrs. V. R. Joslin always makes a good display, and so did F. L. Gay, the latter being one of our best known amateur florists. The strawberries from Messrs. Razee and Clark, of Ashton, R. I., were excellent in color and size, and there were a number of seedlings from the Rhode Island Experiment Station. The attendance was light.

Business has been good this week, a number of schools having the exercises in the evening instead of afternoon. This helped matters, as it allowed the florists to deliver in the cool of the day, thus insuring a fresher appearance to the bouquets.

Eugene Seymour has torn down three houses and started building a better range this week. Mr. Seymour will grow some novelties the coming season and has a new idea in violet culture which will prove profitable.

Wm. B. King, of Apponaug, is sending in a good cut of his seedling white pink. It is much like the old Fisher carnation.

The Robinson-Hazard wedding at Peacedale was one of O'Connor's events last week.

Thomas Keller rejoices in a young son.

M. M.

BALTIMORE, MD.—The past season has been one of the best experienced by E. A. Seidewitz for a long time.

KENT, O.—C. F. Brayton is preparing to erect three houses this fall to cover a city lot. He grows a diversified stock for a retail trade and has had a good season.

SPRINGFIELD, MASS.—The lily ponds at Forest Park are a glorious sight these June days. Thousands of nymphæas, yellow, pink and white, are blooming and in the pools set apart for the tender varieties flowers are also opening fast.

ST. JOHNS, N. B.—At a meeting of the directors of the Horticultural Association Dr. Geo. U. Hay was appointed to represent that body at the annual meeting of the American Park and Outdoor Art Association in Boston, next August.

RUPP XXX SEEDS.

CHINESE PRIMROSE. Finest grown, large flowering, fringed, single and double, 15 vars., mixed, 500 seeds, $1.00; half pkt., 50c. Have also the 15 vars. separate.
CINERARIA. Finest, large flowering, dwarf varieties, mixed, 1000 seeds, 50c.

PANSY, FINEST GIANTS.

The best large flowering varieties in choicest mixture; critically selected, 5 000 seeds, $1.00; half pkt., 50c. ☞CASH. A pkt. of new everblooming Forget-me-not "Coostance" added to every order.

JOHN F. RUPP, Shiremanstown, Pa. "The Home of Primroses."

ASHEVILLE,
NORTH CAROLINA.

'The Land of the Sky.'

The eighteenth annual meeting American Florists will be held at Asheville, August 19th to 22d, 1902.

Low rates have been made via Queen & Crescent Route and Southern Railway. Special train, composed of Pullman sleepers, will leave Cincinnati, Monday, August 18th, 2:00 p. m., via Queen & Crescent Route, and run through to Asheville via Southern Railway, arriving at Asheville next morning 7:00 o'clock.

Members will meet at Cincinnati and all go through together from there.

For sleeping car reservations and full particulars regarding rates, write

J. S. McCULLOUGH, N. W. P. A., Southern Ry. 225 DEARBORN ST.
W. A. BECKLER, N. P. A., Queen & Cresent Route. 113 ADAMS ST.
CHICAGO, ILL.

SMILAX in 2x2½ inch pots.
PLUMOSUS in 2x2½-in., 3 and 4-in. pots.
SPRENGERI in 3 and 4-inch pots.
MUMS, 20 varieties, in 2x2½-inch pots.
GERANIUMS for stock plants.
REX BEGONIA and others, in 4-inch pots.
RUBBERS in 6-inch pots.

Write **GEO. A. KUHL, Pekin, Ill.**

Please mention the American Florist when writing.

Society of American Florists
National Convention,
AUGUST 19th to 22nd, 1902,
ASHEVILLE,
NORTH CAROLINA.

For this convention the "Big Four Route" (C. C. C. & St. L. Ry.) will sell tickets August 16, 17 and 18, good for return leaving Asheville not later than August 25, at reduced rates from all "Big Four" stations.

Florists' Special train will leave Chicago 8:30 P. M. Sunday, August 17th, running via "Big Four" to Cincinnati, thence via the Queen & Crescent and Southern Railways. Monday forenoon will be spent in Cincinnati, sight-seeing, etc., leaving there at 2 P. M. on the Florists' Special. Every florist should make a big effort to attend this convention, the first to be held in the beautiful Southland.

For berths in sleepers from Chicago or Cincinnati, and further information call on, or address E. F. WINTERSON, President Chicago Florists' Club, 45 Wabash Avenue, or J. C. TUCKER, Gen'l Nor. Agt. "Big Four", 234 S. Clark Street, Chicago.

Chrysanthemums.

E. M. BIGELOW, CULLINGFORDII, H. BLOODGOOD, E. G. HILL, MINNIE WANAMAKER, MRS. ROBINSON, $15.00 per 1000, $2.00 per 100.

A. D. MONTGOMERY, Hazleton, Pa.

ANNUAL CLEARANCE SALE

To close out surplus stock we will offer the following goods at greatly reduced prices until sold. Orders filled in rotation. Order quick to insure these prices. Cash with order.

Sphagnum Moss Clean and fresh. 5 bales, $4.00; 10 bales, $7.00; 25 bales, $16.50.

Wheat Sheaves Per dozen, A, $1.40; B, $2.25; C, $3.25; D, $4.50; E, $5.50; F, $7.00; G, $9.00.

Ribbons Best florists satin, all colors, per bolt, No. 5, 45c; No. 9, 70c; No. 12, 95c; No. 16, $1.10; No. 22 $1.20.

Cycas Leaves Best imported stock. 24 to 48 inches, assorted, per dozen, $2.00; per 100, $15.00.

Baskets All kinds in assortments, $5.00, $10.00 and $25.00, 10 per cent less than regular prices.

Tin Foil Either 5 or 7-inch 5 pounds, 45c; 10 pounds, 80c; 25 pounds, $1.95; 100 pounds, $7.50.

White Pampas Plumes Select stock, per 100, $2.50; 1000, $20.00.

Colored Pampas Plumes Assorted colors, per 100, $5.00.

2,000 Choice CANNA PLANTS

in the following varieties. Florence Vaughan, J. Wilkinson Elliott, Mme. Crozy, Pandora (bronze foliage), Sec'y Chabanne. Will close out the above at **$4.00** per 100. Strong plants.

SPECIAL BARGAINS

in Paints, Oils, Putty, Fertilizers, Greenhouse Hose, Insecticides, and all Seasonable Supplies.

Remember we are **HEADQUARTERS** on all **CUT FLOWERS.**

McKellar & Winterson Co.

45-47-49 Wabash Ave., Chicago.

Seedling Carnation Pres. McKinley

This Carnation has never been exhibited except at the Kansas City Flower Show last November. At that time it won its name and the prize of $100 offered by the Union Bank Note Co. for the best pink seedling. We will endeavor to place this variety on exhibition at the leading flower shows this Fall and Winter. The color is similar to that of Lawson, with a better stem and a more regularly formed flower than the latter variety, averaging in size from 3½ to 4 inches in diameter, with a good strong calyx and as free as Dorothy. We will book orders for Rooted Cuttings of this famous Carnation at **$12.00** per 100; **$100.00** per 1000, for January, February and March delivery. Orders filled in strict rotation. We will also furnish Rooted Carnation Cuttings of all the new and leading varieties at reasonable prices for No. 1 stock. Read what JOHN THORPE writes of President McKinley:

KANSAS CITY, MO., November 26 1901.

E. T. Grave, Richmond, Ind. Dear Sir: — I desire to inform you of the great keeping qualities of your President McKinley Carnation. At the close of the exhibition on Sunday evening most of the flowers were even better than on the first day of the exhibit, the color equally as bright and without a trace of purple. It is exceedingly brilliant in artificial light. Respectfully yours,

JOHN THORPE.

Read the clipping in the *Kansas City Star*, November 21, 1901.

"President McKinley Carnation is a splendid flower, said Edwin A. Kanst, one of the awarding judges. The petals are perfect add it is well built. The general construction of the plant indicates that it may prove better than the Lawson. The color is deeper and brighter than the Lawson and the coloring is more distinct. The peculiar purplish tinge noticable in the Lawson is absent from the President McKinley. It will become a favorite Carnation."

E. T. GRAVE, RICHMOND, IND.

Please mention the American Florist when writing.

The Sensational New Rose for 1902.

MRS. OLIVER AMES.

For description, prices, etc., see Trade List.

$100.00 IS OFFERED IN PRIZES for Cut Flowers of this Rose at Madison Square Show next fall.

Extra fine plants of the grand pillar rose **CRIMSON RAMBLER**, from $2.00 to $6.00 per dozen, according to size and age. Also all the **STANDARD** forcing roses in variety, now ready for shipment.

JOHN N. MAY, Summit, N. J.

ROSE PLANTS

CHEAP TO CLOSE OUT.

Nothing but good stock sent.

Am. Beauties, 2-inch, $5.00 per 100; $10 00 per 1000.
Bridesmaids, 2-inch, $2.50 per 100; $20.00 per 1000.
Meteors, 2-inch, $2.50 per 100; $20.00 per 1000.

J. A. BUDLONG,

37-39 Randolph St. CHICAGO.

Wittboldii Ferns....

A rare chance to get stock of this fine fern cheap. 2½-in. $5, 3-in. $8, 5-in. $20 per 100. Bench plants, good for 2½-in. $3, 3-in. $5, 4-in. $6, 6-in. $25 a 100.

CASH PLEASE.

A. J. BALDWIN, Newark, O.

PANSIES

New Giant Mme. Perrel, the prize strains exhibited at the Pan-American Exposition, true stock, trade packet, 50c; $5.00 per ounce. Our choicest mixture of the best strain procurable, 50c trade packet; ⅛-ounce, $2.00; ounce, $7.00.

Walter Mott Seed & Bulb Co.

JAMESTOWN, N. Y.

Rose Plants

Strong plants from 2½-inch pots, choice stock in every particular.

	Per 100	Per 1000
AM. BEAUTY PLANTS, 2½-inch	$6.00	$50.00
" " 3-inch	8.00	75.00
METEORS, 2½-inch	2.50	20.00
" 3-inch	4.00	35.00
BRIDE	3.00	25.00
BRIDESMAID	3.00	25.00
METEOR	3.00	25.00
GOLDEN GATE	3.00	25 00
PERLE	3.00	25.00

GEO. REINBERG,

51 Wabash Ave., Chicago.

Carnations, Geraniums Cannas, Etc.

Prices quoted upon application.

The Cottage Gardens, Queens, L. I.

Please mention the American Florist when writing.

Toronto.

NO TRANSIENT TRADE BECAUSE OF STREET CAR STRIKE.—GOOD ROSES SCARCE.—MUCH CORONATION STOCK ON HAND.—PLANT TRADE DISAPPOINTING.—NOTES.

The strike of the street railway employes has demoralized transient trade but otherwise business has been good, with stock so scarce that when a few fairly good roses are seen they are appreciated. Kaiserins lead in quality but are not near plentiful enough to go around. Brides and Bridesmaids are so poor that nothing commendable can be said of them. Perle and Morgan are a little better but the supply of Meteor shortens more each day. Beauties are only noticeable for their absence. Carnations hold their quality fairly and are more plentiful. Auratum lilies have commenced to come in and a few good callas and longiflorums are still around. Pæonias have been in splendid shape and move well. The early crop is about over but the later varieties are only just coming along. Sweet peas are good, but now that the outdoor varieties have commenced to bloom values are depreciating.

The postponement of the coronation festivities will have its effect on the florists, numbers having grown large quantities of lily of the valley and unless unusual activity prevails for the balance of the week it is hard to see how the surplus stock can be utilized. But when we think of those in England who held back houses of orchids, valley and loads of other stock, we think how really fortunate we are.

The inclemency of the weather the past spring was detrimental to the sale of bedding plants and at this late date there are many left over. Growers of soft-wooded stock are consequently complaining and, with the low figures at which stock was sold, several will discard this branch.

Visitors: Wm. F. Bullock, Buffalo; Samuel White, Montreal. H. G. D.

PEORIA, ILL.—B. Juergens salled for Europe June 21.

CHELMSFORD, MASS.—The Vickery Brothers will engage in the greenhouse business here.

JACKSONVILLE, ILL.—Joseph Heinl says that Marquis has been his best paying carnation the past season.

ASTER Plants

Semple's Branching and Queen of the Market, in white, pink, blue and red, fine plants, grown from the finest seed saved by myself, at $2.50 per 1000; 40c per 100.

J. C. SCHMIDT, BRISTOL, PA.

SPECIALTIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery,
CHRYSANTHEMUMS,
SMILAX, VIOLETS.

In Best Varieties

Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.

FAXON'S "WHITE HOUSE" PANSIES.

The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.

In Trade Packets at $1.00 each.

M. B. FAXON,

Lock Box 1528. BOSTON, MASS.

Correspondence solicited.

KENNICOTT BROS. CO.

Wholesale Commission Florists

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42 and 44 East Randolph St., Chicago.

LILIUM HARRISII.

Indispensable for Early Forcing.

OUR own growers pack all our Bermuda Bulbs and personally grow half our supply. Careful attention to the growing crop, weeding out diseased plants, proper grading of the bulbs when dug, business-like packing and handling, all go to make success with Harrisii. We invite your orders under these conditions. Our bulbs will pay you.

Write for Prices before closing any forcing stock orders.

VAUGHAN'S SEED STORE,

14 Barclay Street, NEW YORK.
84-86 Randolph St., CHICAGO.

Marie Louise Violets

Strong plants, February and March struck, healthy and free from disease. Cash with order. Your money cheerfully refunded if not satisfactory. $15.00 per 1000.

C. Lawritzen, Rhinebeck-on-Hudson, N. Y.

CYCLAMEN

Persicum Splendens Giganteum. Finest strain in the world, in four true colors, well-grown plants, from 2½-inch pots, $4.00 per 100; $35.00 per 1000. Extra selected, $5.00 per 100; $40.00 per 1000. Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

S. S. SKIDELSKY,

708 N. 16th Street,
PHILADELPHIA, PA.

CORRESPONDENCE SOLICITED.

SEEDLING FERNS Splendid strong plants, in flats, Onychium Japonicum, Pteris Tremula and Pteris Adiantoides, at $1.00 per 100 POSTPAID; $9.00 per 1000 POSTPAID. We can safely deliver them anywhere in U. S. Cash with order. Send for large catalogue of **Palms, Ferns, Decorative, Fruit-Bearing and Economic Plants and Trees** from all over the Tropics.

ROYAL-PALM NURSERIES, Oneco, Florida.

ONION SETS—NO MORE OF THEM.

Sow my Hardy White Onion.

SEND FOR CIRCULAR.

BEAULIEU, the Pansy Man, WOODHAVEN, N. Y.

Violet Plants

WELL ESTABLISHED		Per 100	1000
IMPERIAL	2¼-inch	$2.75	$25.00
MARIE LOUISE	"	2.75	25.00
FARQUHAR	"	2.75	25.00
SWANLEY WHITE	"	2.75	25.00
CAMPBELL	"	2.50	22.50

GRAND RAPIDS VIOLET CO.

GRAND RAPIDS, MICHIGAN.

Imperial Violets.

Fine, strong plants, from 2-inch rose pots, $2.50 per 100; $22.50 per 1000.

CENTRAL MICHIGAN NURSERY,

KALAMAZOO, MICH.

Please mention the American Florist when writing.

A NEW BOOK

"How to Make Money GROWING VIOLETS"

by George Saltford, 30 years' practical experience. PRICE, 25 and 50 cents, postpaid—Money order preferred.

VIOLET CULTURE CO.,

61 Quincy Street, BROOKLYN, N. Y.

..Violet Plants..

Ready for immediate shipment.

Imperial	$2.75 per 100	$25.00 per 1000
Swanley White	2.75 per 100	25.00 per 1000
M. Louise	2.75 per 100	25.00 per 1000
Lady Campbell	2.50 per 100	22.50 per 1000

Crabb & Hunter, Grand Rapids, Mich.

Please mention the American Florist when writing.

Araucaria Excelsa.

We control the American market of this splendid pot plant. Our houses are now full of them. May importation per steamers Vaderland, Penland and Kensington. We sell plants raised from top cuttings only (no seedlings), at the lowest cash prices, as follows: Each

5 to 5½ inch pots, 3 tiers, 10 in. and above, 50c
5½-inch pots, 3 tiers, 12 in. and above, 60c to 75c
6-inch pots, 4 tiers, 15 to 18 inches and above.....75c to $1.00
KENTIA FORSTERIANA, 25 to 28 inches high, 5 leaves, 5½-inch pots..... 75c
KENTIA BELMOREANA, 20 inches and over, 5 leaves 5½-inch pots..... 75c
FICUS ELASTICA, 4 inches.....20c to 25c
BEGONIA, tuberous rooted, 5-in. pots, $1.80 per doz.

Cash with order, please. ☞ Mention if pots are wanted.

GODFREY ASCHMANN,
WHOLESALE GROWER AND IMPORTER OF POT PLANTS,
1012 Ontario Street, PHILADELPHIA, PA.

Fine Rose Stock

HEALTHY AND VIGOROUS.

GOLDEN GATE, 3-inch $5.00
MAIDS, 3-inch..... 5.00
BRIDES, 3-inch..... 5.00
BEAUTIES, 3-inch.....10.00
KAISERINS, 3-inch..... 6.00

Brown & Canfield, Springfield, Ill.

Roses from 3-inch pots, healthy plants—Am. Beauty, Bride, Maid, Wootton, La France and Golden Gate, cheap for CASH.

Rubber Plants, per doz.—12-inch, $2.50; 18-in., $3.50; 18 to 24-in., $5.00; 24 to 30-in., $7.00; 30 to 36-in., $9.00.

JOSEPH HEINL, Jacksonville, Ill.

NOW COMPLETE IN FOUR VOLUMES.

Cyclopedia of American Horticulture

Comprising suggestions for cultivation of horticultural plants, descriptions of the species of fruits, vegetables, flowers, and ornamental plants sold in the United States and Canada, together with geographical and biographical sketches

By L. H. BAILEY,
Professor of Horticulture in Cornell University,
Assisted by WILHELM MILLER, Ph. D., Associate Editor,
and many expert Cultivators and Botanists.

IN FOUR VOLUMES,
Cloth, $20. Half Morocco, $32.
Illustrated with 2800 original engravings.
Cash with order.

AMERICAN FLORIST COMPANY,
324 Dearborn St., Chicago.

Cannas, Roses, Palms, Etc.

CANNAS. Strong, 3-in. pot plants, unless noted at $4.00 per 100.
Florence Vaughan, Queen Charlotte, J. D. Cabos, Egandale, Duke of Marlborough, Robert Christie, Italia, Pres. Cleveland, Sophia Buchner, Burbank, Alsace,
Martha Washington, at $6.00 per 100.

ROSES. A general assortment of Ever-blooming varieties, strong, 2-inch and 2½-inch pots, $2.50 per 100; $20.00 per 1000.

GERANIUMS. S. A. Nutt, Mme. Barney, Richelieu, La Favorite, John Doyle, Mme. Charles Molin and Beaute Poitevine, $30.00 per 1000.

	Per 100
Marquis de Castellane	$6.00

Set of 4 New Bruants for 60c.
Set of 8 New Doubles for $1.50.
In good assortment, our choice of varieties, $27.50 per 1000.

	Per 100
PRIMULA FORBESI	$3.00
HELIOTROPES	2.00
SELAGINELLA Emmeliana	2.00
FUCHSIAS, in good assortment of varieties, 2½-in. pots	2.50
BEGONIAS—Vernon and Vulcan	2.50
LANTANAS in variety	2.50

PALMS.

Areca Lutescens, 2½-in. pots, $30.00 per 1000	4.00
Areca Lutescens, 3-in. pots	8.00
Areca Lutescens, 4-in. pots., 3 plants in a pot	20.00
Kentia Belmoreana, 2½-in. pots	7.00
Kentia Belmoreana, 3-in. pots	15.00
Latania Borbonica, 2½-in. pots	3.00
Latania Borbonica, 3-in. pot, $40 per 1000	5.00
Pandanus Utilis, 2½-in. pots	5.00
Pandanus Utilis, 4-in. pots	15.00
Pandanus Veitchii, 4-in. pots, $6.00 per doz.	

The Storrs & Harrison Co.

PAINESVILLE, OHIO.

Philadelphia Palms.

JOSEPH HEACOCK,

WYNCOTE, PA. **Offers the following:**

ARECA LUTESCENS:

6-inch pot, 3 plants, 20 to 22 inches high.....75c each; $75.00 per 100
6-inch pot, 3 plants, 24 to 26 inches high.....$1.00 each; $100.00 per 100
8-inch pot, 3 plants, 30 to 36 inches high.....$3.00 each
10-inch pot, 3 plants, 42 to 45 inches high.....$5.00 each

KENTIA BELMOREANA:

6-inch pot, 6 leaves, 24 inches high.....$1.25 each; $15.00 per doz.
6-inch pot, 6 to 7 leaves, 26 to 28 inches high..... 1.50 each; 18.00 per doz.
8-inch pot, 6 to 7 leaves, 30 to 32 inches high..... 3.00 each; 36.00 per doz.
8-inch pot, 6 to 7 leaves, 36 to 40 inches high..... 4.00 each.

HOME GROWN, CLEAN AND HEALTHY.

STRONG, HEALTHY

ROSE PLANTS

300 Am. Beauties, 2½-in. pots, $6 per 100.
700 BRIDE, 2½-inch pots, $2.50 per 100.
200 MAIDS, 2½-inch pots, $2.50 per 100.

How much for the lot? We guarantee satisfaction or money will be refunded.

JOSEPH LABO, Florist, Joliet, Ill.

Extra Value in ROSES

Excellent well-grown stock, in the most perfect condition to plant now:

	Per 100	Per 1000
AMERICAN BEAUTIES, 3-inch	$8.00	$75.00
" " 2½-inch	6.00	55.00
PERLES, very fine, 3-inch	5.00	
GOLDEN GATES 3-inch	5.00	45.00
KAISERINS, 3-inch	5.00	45.00
METEORS, 3-inch	4.00	40.00
BRIDES, 3-inch	5.00	45.00
" 2¼x3-inch	3.00	25.00

This stock will satisfy the most critical buyers.

W. H. GULLETT & SONS, LINCOLN, ILL.

ROSE PLANTS

Well Established.

	100	1000
AM. BEAUTY, 3-in. pot plants	$8.00	$75.00
BRIDE, 3-inch pot plants	4.00	35.00
PERLE, 3-inch pot plants	4.00	35.00
GOL. GATE, 3-inch pot plants	4.00	35.00
PERLE, 2½-inch pot plants	2.50	20.00
GOL. GATE, 2½-inch pot plants	2.50	20.00

All plants sold under express condition that if not satisfactory when received they are to be returned immediately, when money will be refunded.

PETER REINBERG,
51 Wabash Avenue, CHICAGO.

Syracuse, N. Y.

SPRING SEASON UNUSUALLY GOOD.—ACTIVE BUSINESS IN BOTH BEDDING STOCK AND CUT FLOWERS.—MUCH WEDDING WORK. —NOTES OF THOSE IN THE TRADE.

Considering the cold and rainy weather, the spring trade has been phenomenally good. The bedding and outdoor plant trade has been excellent and more money was spent in this way than in many years. There is a scarcity of good flowers, especially of red roses. The June wedding business was enormous, breaking the record for number and elaborateness of decorations.

David Campbell, superintendent of parks, has placed in the Clinton Square Park one of the finest specimens of Ficus elastica in the state. The cold weather has done much damage to the looks of the various parks.

Former congressman James J. Belden has given to the Oakwood Cemetery Association his valuable collection of plants and the officials are considering the building of greenhouses to accommodate them.

Henry Morris had a large trade in filling boxes and beds and has had his share of the wedding and graduation business. He expects a big summer trade.

P. R. Quinlan & Company says that there is a scarcity of good stock. This firm also reports the biggest spring trade in years. A. J. B.

TIPTON, IND.—It is reported that A. C. Anderson, who has run the greenhouses here for about a year, has left town with creditors to the extent of $2,000.

WASHINGTON, D. C.—With a number of June weddings and the school exercises, the last was a busy week, for there was also great demand for funeral work.

SPRINGFIELD, O.—The Springfield Floral Company, which purchased the John A. Doyle Company business for $21,000, has been incorporated with $40,000 capital stock by V. Y. Smith, Geo. Steele, James P. Goodwin, John Mellinger, Gustave Schneider and Leman Bradford.

A FEW GOOD THINGS YOU WANT.

KENTIA Belmoreana and Forsteriana, also Areca Lutescens, 3 plants in a pot, extra clean and well grown plants, 2½, 3, 4 and 5-in., $8, $15, $30, $50, $75, $100 to $125 per 100.

REX BEGONIA, 2 and 3-inch, $4 and $6 per 100.

BOSTON FERN, $4, $8, $15 and $30 per 100 for 2, 3, 4 and 5-inch.

FERN, Cordata Compacta, 2 and 3-inch, $4 and $10 per 100.

ASPARAGUS Plumosus, 2-inch, $5; 3-inch, $8. Sprengeri, 2 inch $3; 3 inch, $5, per 100.

DRACAENA INDIVISA, 3, 4 and 5-inch, $6, $10, $25 per 100.

ENGLISH IVY, 2 and 3-inch, $3 and $6 per 100.

A full line of the best bedding **GERANIUMS** for stocking up, 2-inch, $3; 3-inch, $5 per 100.

SMILAX, Vinca Var., Campbell Violets, Lobelia, Coleus, Alternanthera, Ageratum, Scarlet Sage, Lemon Verbena, Giant Alyssum, 2-inch, $2; 3-inch, $4 per 100.

Let me price your wants. Cash or C. O. D.

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

ROOTED CUTTINGS

Estelle, $5.00; Lawson, $4.00; Marquis and Elm City, $2.00; Crocker and Lord, $1.00 per 100. Other varieties on application.

DANA R. HERRON, OLEAN, N. Y.

THE COMING FERN IS MY NEW NEPHROLEPIS

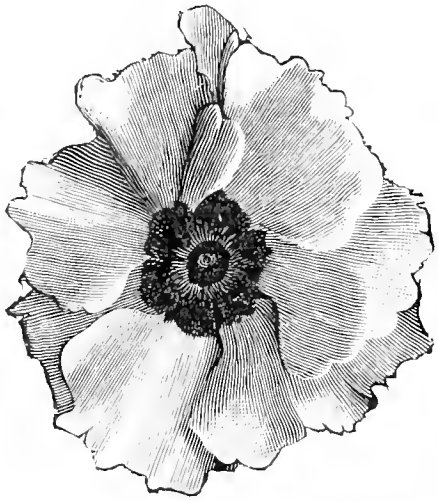
"ANNA FOSTER"

DELIVERY IN SEPTEMBER.

Orders booked now at $25 per 100 for small plants. Larger plants, prices on application.

L. H. FOSTER, 45 King St., Dorchester, Mass.

VAUGHAN'S INTERNATIONAL PRIMULA



Unquestionably the best mixture of Chinese Primroses. It contains the largest variety of the best selling colors. Flowers large, beautifully fringed, borne in large clusters well above the rich green leaves. Pkt., (250 seeds), 50c; 5 pkt., (1250 s.), $2.00.

CHINESE PRIMULA, Chiswick red; Alba Magnifica, white; blue, pink, striped. Each, per pkt. of 250 seeds, 50c; 1000 seeds, $1.75.

DOUBLE CHINESE PRIMULA, white, pink, red or mixed, per pkt., 50c.

CINERARIA VAUGHAN'S COLUMBIAN MIXTURE. A mixture of the best English and German strains, unsurpassed. Pkt. (1000 seeds) 50c; 3 pkts., $1.25.

CALCEOLARIA HYBRIDA, choicest mixture, pkt. 50c.

10 PER CENT discount on flower seed orders amounting to $2.00 and over for **CASH WITH ORDER.**

SEEDS OF PERENNIALS.

Send for our Midsummer List of Seeds. We carry a large list of these plants—now so popular for cut flowers or the retail trade.

14 BARCLAY STREET, NEW YORK. **VAUGHAN'S SEED STORE,** 84 & 86 RANDOLPH ST., CHICAGO.

ORCHIDS! A RARE Opportunity ORCHIDS!

To make room for a large importation with which I have just returned from the Orient, I offer healthy, well established plants of the following varieties at reduced rates. Write for what you want. I will make the price right. Aerides Quinquevulnerum, extra fine in spike; Cattleya Bowringeana, Eldorado, Forbesii, Gaskelliana, Guttata, Intermedia, Labiata, Mendellii, Mossiæ, Quadricolor, Skinneri, Trianæ; Dendrobium Superbum; Lælia Purpurata and Superbiens; Lycaste Skinneri, strong.

ODONTOGLOSSUM CRISPUM.

Of this variety I can spare about 100 fine healthy, vigorous plants.

PHALAENOPSIS.

Amabilis, Amethystina, Intermedia, Leucorrhoda, Luddemanniana, Rosea, Sanderiana, Schilleriana, Stuartiana; Pilumna Fragrans (strong plants); Renanthera Storiei; Saccolabium Violaceum; Vanda Sanderiana, Lamellata, Boxalli.

Above plants all sizes, small to specimen plants. Write for prices.

R. Schiffmann, M. D., St. Paul, Minn.

PALMS.

HOME-GROWN, FINE, CLEAN STOCK; GROWN COOL.

Write for Price List. **J. B. HEISS,** *The Exotic Nurseries,* **DAYTON, OHIO.**

BEGONIA GLOIRE DE LORRAINE,

2¼-inch pots, $15.00 per 100.

Write for prices on large lots. Stock guaranteed absolutely free from disease.

THOMAS ROLAND, Nahant, Mass.

Please mention the American Florist when writing.

Wanted—To buy 400 strong Dormant Poinsettia Roots. State price. Apply to JOHN L. WYLAND, De Haven P. O., Pa.

Always mention the American Florist when writing to advertisers.

Carnation Floriana.

We believe this to be the best pink carnation introduced to date, was disseminated in the spring of 1901 by originators, Messrs. Fillow & Banks. Price, $6 per 100; $50 per 1000. 50 at 100 rate, 500 at 1000 rate. Less than 50, 8c each.

Dailledouze Bros., Carnation and Chrysanthemum Specialists, FLATBUSH, BROOKLYN, N. Y.

BEGONIA GLOIRE DE LORRAINE,

Begonia Light Pink Lorraine,

For June and Later Delivery, $15.00 per 100; $140.00 per 1000.

Edwin Lonsdale, Wyndmoor, near Chestnut Hill, Pa.

NICKEL PLATE EXCURSIONS.

To Portland, Me., July 5th to 9th, inclusive.

To Providence, R. I., July 7 to 9, inclusive.

ONE FARE FOR ROUND TRIP.

By depositing tickets with agent terminal line, an extension can be obtained until August 15th returning. Write John Y. Calahan, General Agent, 111 Adams St., Chicago, for particulars. 27

Chrysanthemum...

TIMOTHY EATON, well-rooted cuttings, $2 25 per 100. Sample 25 for 50 cts., express prepaid: Plants, $3.00 per 100 express not prepaid. All healthy and strong.

Aster Plants.

Queen of the Market, white, red, pink and mixed.

Florists' Upright Branching, outer petals recurved, center petals incurved, superb cut flower, pure white, daybreak pink, fiery scarlet and lavender.

Late Branching or Semple's, white, rose pink, lavender, red and mixed.

All the above are the best money makers for florists, strong, healthy plants, assorted to suit, 50c per 100, $4.00 per 1000. Express prepaid for cash with order.

DES MOINES PLANT CO.,
38th St., Des Moines, Iowa.

'MUMS

We have a large stock of fine plants from 2½-inch pots, ready to ship on short notice. Our selection of standard varieties, $20.00 per 1000; $12.00 per 500. Write for prices on large orders. Following is a partial list. Send for complete list.

T. Eaton	$4.00	R. Halliday	$4.00
Nellie Pockett	8.00	Major Bonnaffon	3.00
Lady Roberts	8.00	Philadelphia	5.00
Mrs. E. D. Smith	6.00	Modesto	3.00
Golden Beauty	8.00	Nagoya	3 00
Mrs. Chamberlain	8.00	M. de Montmort	3.00
Mme. F. Bergmann	3.00	Glory of the Pacific	3.00
Willowbrook	3.00	Lady Harriett	6.00
Merry Monarch	3 00	Maud Dean	4.00
Polly Rose	3.00	Xeno	3.00
G. S Kalb	3.00	Geo. W. Childs	4.00
Ivory	3.00	Intensity	4.00
Mrs. J. Jones	3.00	H. A. Parr	3.00

H. WEBER & SONS, Oakland, Md.

'Mums

Standard Varieties

White	Yellow	Pink
Fitzwygram	Maj. Bonnaffon	Glory of Pacific
White Ivory	Rieman	Pink Ivory
Mayflower	Yellow Mayflower	Viviand-Morel

Mrs. Jerome Jones—rooted cuttings, $1.50 per 100.
From 2½-inch pots, $2.50 per 100.

Monrovia, earliest yellow, White Bonnaffon, Lavender Queen, Col. Appleton, yellow — Rooted Cuttings, $2.50 per 100. From 2½-inch pots, $4 per 100

Timothy Eaton, white, E. D. Smith, yellow, Mrs. W. B. Chamberlain, pink — Rooted Cuttings $3 per 100. From 2½ in. pots, $4.50

GEORGE HARRER, Morton Grove, Ill.

Chrysanthemums.

Strong rooted cuttings of EATON and APPLETON at $2 00 per 100. Other varieties will be offered for sale later.....

GEO. R. GEIGER, Nazareth, Pa.

Still Left. Speak Quick.

5 0 0 Scott Carnations from flats, $8 a 1000; 500, $4. 1,000 Vinca major var., 3-inch, fine, $1.00 per 100. 5,000 Dorm nt Cannas, $2.00 per 100; $15 00 per 1000: Chas. Henderson, Bonner. F. Vaughan, Paul Bruant, Duke of Marlborough, Paul Marquant, Burbank, Austria, Alsace and Robusta. Swainsona alba and Achillea The Pearl, 2½-inch, $1.50 per 100. Blue Moonvines. Cash please.

BENJ. CONNELL, West Grove, Pa.

Pansy Seed.

The Jennings Strain.

Will be ready July 1st. STOCK THE FINEST.

E. B. JENNINGS, Lock Box 254, Southport, Conn.
Grower of the Finest Pansies.

SMILAX 2-inch, $1.00 per 100.
ROSES Brides and Maids, 2-inch, $2.00 per 100; $18.00 per 1000.

McALLISTER & COMPANY, Batavia Ill.

Please mention the American Florist when writing.

CHRYSANTHEMUMS.

WE HAVE the following fine varieties in 2-inch pots, ready to ship at once. All are in excellent condition and none are hard or stunted. Per 100—Timothy Eaton, white, $4; Soleil de Octobre, yellow, $4; Lady Harriett, pink, $6; Merza, white, $4; Jerome Jones, white, $4; Golden Wedding, yellow, $4; Polly Rose, white, $4; John K. Shaw, pink, $4; Silver Wedding, white, $4; Yanoma, white, $4; White Bonnaffon, $4; White Ivory, $3. Also a few thousand fine American Beauty plants, 3-in., $10 per 100; $90 per 1000. La France, Ivory, Mrs. Ames, Wootton, Bride and Kaiserin. Write for prices.

Robt. Craig & Son, Phila., Pa.

FLORISTS' ROSES

FOR WINTER FORCING.

All our 2½-inch stock has been shifted from 2-inch pots. Our rose plants are all grown for the trade (we do not grow cut flowers), and such plants we claim are well worth more money than ordinary surplus stock:

	2½-in. Per 100	3½-in. Per 100
AMERICAN BEAUTY	$3.00	$12.00
BRIDESMAID	3.50	8.00
GOLDEN GATE	3.50	8 00
KAISERIN	5.00	12 00
METEOR	3 50	8.00
PERLES	4.00	10 00
BRIDES	3.50	8.00
IVORY, White Golden Gate	12 50	20 00

MRS. OLIVER AMES, 4-inch per doz., $10 00.
BEDDING ROSES in large assortment, strong 2½-inch, per 100, $3 00.

CANNAS Strong 3-in. pot plants, per 100, $4.00.

Alemannia	Burbank
Explorateur Cramphel	Florence Vaughan
Italia L. Patry	Mlle. Berat
Pres. Carnot	Paul Marquant.

Asparagus Plumosus, 2-inch pots, per 100, $4.00.
" " " 4-inch pots, per 100, $15.00.
Asparagus Sprengeri, 2½-inch pots, per 100, $3.00.
" " " 3-inch pots, per 100, $6.00.
Smilax, per 100, $2 50.
Chrysanthemums, large assortment, $3 to $4 per 100.
Fern Balls in leaf, 7 to 9 inches, per doz., $3.00.
Ferns for Fern dishes, best kinds, per 100, $4.00.
Hibiscus Peachblow, 2½-inch pots, per 100 $3.00.
Lemon American Wonder, 2½-inch pots, per 100, $5.
Coleus, best assortment, per 100, $2.00.

Vaughan's Seed Store,

GREENHOUSES: WESTERN SPRINGS, ILL.
84 & 86 Randolph Street, CHICAGO.
14 Barclay Street, NEW YORK.

ROSES FOR WINTER FLOWERING

Fine, healthy stock from selected cuttings.

BRIDES, BON SILENE, COLDEN GATE. MAIDS, MME. HOSTE, KAISERINS, SAFRANO, WOOTTONS, PAPA CONTIER,
3-inch pots, $7.00 per 100, 4-inch pots, $10 00 per 100.
SUNRISE, LIBERTY, 3-inch pots, $9.00 per 100; 4-inch pots, $12.00 per 100.
GRAFTED ROSES, Kaiserin, Golden Gate, 3½-inch pots, $15.00 per 100.

J. L. DILLON, Bloomsburg Pa.

Myrtles...

If you want Myrtles at at any time, write to

Chas. Schweigert, Niles Center, Ill.

Please mention the American Florist when writing.

BARGAINS in Chrysanthemums and Fuchsias, named varieties, at $2 50 per 100.

Allamanda Williamsii	$4 00 per 100
Acalypha Sanderii	3.00 per 100
Russelia Elegantissima	3.00 per 100
Vinca Variegata	4.00 per 100

All good 2½-inch plants.

The Conard & Jones Co, West Grove, Pa.

Please mention the American Florist when writing.

'Dryden'

Geranium, the finest of all bedders, 3½-in. pots, $6 00 per 100; 2½-in, $4 00 per 100. Cash please.

HENRY EICHHOLZ, Waynesboro, Pa.

MEETING B. Y. P. U., PROVIDENCE, R. I.

The Nickel Plate Road will sell tickets July 7, 8 and 9 at one fare for round trip, with stopover at Niagara Falls and Chautauqua Lake if desired; also via New York City if preferred. For sleeping-car accommodations, call at City Ticket Office, 111 Adams St., or address John Y. Calahan, General Agent, Chicago. 21

Pittsburg.

BEDDING AT SCHENLEY PARK.—CLUB HAS A MOST SUCCESSFUL OUTING.—MARKET IN A VERY QUIET WAY.—ROSES OF LOW GRADE.—VARIOUS DOINGS AND NOTES OF INTEREST.

Superintendent Falconer, of Schenley Park, has finished a handsome flower bed in honor of President Roosevelt, who will visit Pittsburg on July 4, and deliver an address in Schenley Park. The bed is set in a frame of golden coleus, with an edging on the outer side of crimson coleus and an inner border of dark red. The inscription on the bed is, "President, Welcome to Pittsburg." The letters are of South African cotyledons, with a row of red alternanthera set in close to the cotyledons. The groundwork between the letters is golden or crimson alternanthera or dwarf alyssum.

The club picnic June 19 was a great success. The weather on that day was delightful and the condition of business in the stores was such that there was a large representation from this branch. More than 200 people were present, of whom many were ladies. The magnificent natural surroundings served as decorations and the richness and elegance of the color effect was wonderful. Ball games were played in a manner that created fun for players and spectators. Racing, dancing, music and the conversation of old friends helped to make the day one of much pleasure.

John Bader started for Europe on Tuesday. He will visit London, Paris, Berlin and Stuttgart, where he has relatives. He will also visit various plant and bulb growers in Holland and Belgium, returning home about September 10.

Business is very erratic and the remarkable scarcity of good roses continues to prevail. Carnations are still holding their own. Lily of the valley, sweet peas and yellow daisies do much to help out the flower market.

T. P. Langhans, secretary of the Pittsburg Cut Flower Company, is trying to locate a nice stream where a lot of fish want to be caught.

Mr. Faber, of W. C. Beckert's, is suffering with typhoid fever. E. L. M.

KALAMAZOO, MICH.—Van Bochove & Brother now have about 65,000 feet of glass and the fruits of sixteen years in the business are seen in a large trade. The past season has been their best.

Boston Ferns.

Fine Plants $25 per 100.

Dracaena Indivisa, excellent, 6-inch, $6 00 per dozen.

Coleus Verschaffeltii and Golden Bedder to close at $15 per 1000.

About 2,000 3½-inch Geraniums, to clean up: Nutt, Pointevine, Jaulin, White, mixed, etc., etc., at very low prices.

L. H. FOSTER,

45 KING STREET, DORCHESTER, MASS.

ASPIDISTRA Fine stock, $1.50 per 100 leaves. 50 at 100 rates.

ORIENTAL PEPPERS, strong, 3-in., in fruit, $2 per 100. 50 at 100 rt.

SMILAX strong 2-inch, $2.00 per 100; $12.00 per 1000.

Haskell Ave. Floral Co., Dallas, Texas.

ARECA LUTESCENS, per doz.—2½-inch, 75c; 3 $1; 3½, $2; 4, $3.
KENTIA BELMOREANA, doz.—2½-in., $1.50; 3, $2; 3½, $3; 4, $3 60.
KENTIA FORSTERIANA, per doz.—2½-in., $1.50; 3-in., $2; 3½-in., $3; 4-in., $4.
LATANIA BORBONICA, per doz.—2½-in., 60c; 3-in., $1; 6-in., $7.20; 7 in., $10; 8-in., strong, $18.
PANDANUS VEITCHII, per doz.—5-in., $12; 6-in., $18; 7, $30; 8, $42.
NEPHROLEPIS BOSTONIENSIS, per 100—2-in., $4; 3-in., $8. Per doz.—5-in., $3; 7-in., $9; 8-in., $12; 9-in., $18; 10-in., $24.
ASPARAGUS PLUMOSUS NANUS, 2-in., $4 per 100; 3 in., $8 per 100.
ASPARAGUS SPRENGERI, per 100—2-in., $3; 3-in., $8; 4-in., $12; 5-in., $15.
ARAUCARIA EXCELSA, 4-in., $6 per doz.
FERNS FOR DISHES, Etc., $3 per 100.
FERN BALLS, well furnished with leaves, $3 to $5 per doz.

The GEO. WITTBOLD CO.

1657 Buckingham Pl., Chicago.

Choice Ferns,

From flats, strong plants, $10 per 1000. Sample 100 mailed $1 25.

8 to 10 best market sorts for jardinieres or pots, in lath sash, full sun, quite hard, in 2¼-inch pots, fit to shift, $3 per 100; $25 per 1,000.

LOMARIA GIBBA, best small tree fern, for 5 or 6-inch pots, 2¼-inch, $2 50 per 100, $20 per 1000.

LYGODIUM SCANDENS, fine for cutting, on strings, like Smilax, 2¼-inch $2.50 per 100; $20.00 per 100.

NEPHROLEPIS PHILIPPENSIS, extra fine, 2½-in., $3 00 per 100.

CLEMATIS PANICULATA, 4-in., fine, $4.00 per 100.

CLEMATIS PANICULATA, 100 strong seedlings, mailed for $1.00.

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ASPARAGUS.

	Per 100
Sprengeri, 2-in. pots	$2.00
Plumosus, 2-in. pots, ready June 15	3.50
Smilax, 2-in pots	1 50
Geraniums, to close out, mixed	2 00
PRIMROSES, CHINESE, OBCONICA and FORBESI, ready July 1st	2 00

CASH OR C. O. D.

JOS. H. CUNNINGHAM, Delaware, O.

Surplus Stock at a BARGAIN

	Per 100
25,000 Asparagus Sprengeri 3-inch pots	$3.00
500 Kentia Belmoreana, 3-inch pots	10.00
1,500 Kentia Forsteriana, 3-inch pots	10.00
1 500 Kentias from boxes	8 00
1,000 Latanias, 3-inch pots	5.00

20 Ficus Elastica, 8-inch pots, 5 to 6 feet, at $ .25 each.

Also a fine lot of Standard Sorts of Chrysanthemums, strong plants in 2½ and 3-inch pots; prices on application.

Brides, Maids, Golden Gates, Meteors, Perles and Mme. Hoste, 2½-inch pots, at $3 00 per 100.

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Orchids!

Arrived in fine condition: Cattleya labiata, C. Skinneri, C. Dowiana, Oncidium varicosum Rogersii and Peristeria elata; also a fine lot of Anthurium Scherzerianum. Write for our illustrated, descriptive catalogue of orchids. Special list of freshly imported unestablished Orchids, just ready. Write for a copy.

LAGER & HURRELL, SUMMIT, N. J.

Orchid Growers and Importers.

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Col. Appleton, 2½-inch, $20 00 per 1000; rooted cutting, $15.00 per 1000. Maj. Bonnaffon, 2½-in., $18.00 per 1000; rooted cuttings, $11.00 per 1000. Our selection in proper proportion of color, 2½-inch, $20 per 1000; rooted cuttings, $12.00 per 1000.

100,000 2¼ and 3-inch Maids, Brides, Gates and Meteors. 25,000 2½-inch Stevia and rooted cuttings, $20 and $12 per 1000.

Printed price list furnished on application.

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Geraniums

BEST RECENT INTRODUCTIONS. 2-inch pots, $3.00 per 100—200 Mme. Charotte, 125 Jean Viaud, 250 Mme. Landry.

STANDARD VARIETIES. $2 50 per 100—1000 Mars 400 Marvel, 200 Mme. Buchner, 300 La Favorite, 250 Duc de Montemort, 150 Theo. Theulier, 100 Mme. Brunnt, 100 Pierre le Brun, 300 Wm. Pfitzer.

STRONG FRAME GROWN. 4-inch pots, $7 00 per 100—250 Duc de Montemort, 200 Mme. Jaulin, 500 Marvel, 1000 S. A. Nutt. From 3½-inch pots, $5.00 per 100—500 Mars, 200 America.

BEGONIA REX, best varieties in 2½ and 3-inch pots, $5.00 per 100.

FEATHER GRASS.

Excellent for bordering beds for tall growing plants

PENNISETUM LONGISTYLUM, (White Plumed), 2½ and 3-inch pots, $2.50 per 100.

PENNISETUM RUPPELIANUM, (Purple Plumed), 2½-inch pots, $2.50 per 100.

SALVIA SPLENDENS, 300 $2.50 per 100.

Nathan Smith & Son, Adrain, Mich.

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Geraniums

Unrooted cuttings of S. A. Nutt, La Favorite and Heteranthe at $6.00 per 1000.

Unrooted cuttings of Jean Viaud, Clyde and Columbia, $10 00 per 1000.

S. A. Nutt, etc., 2½-inch, strong, at $20 per 1000.

Mixed, strong, 4-inch, at $4.00 per 100.

Asparagus Plumosus Nanus, strong, 2½-inch, $5.00 per 100.

Asparagus Sprengeri, strong, 2½-in., $2.50 per 100.

Violets, Marie Louise, 2-inch, at $2 00 per 100.

Swainsona, fine 4-inch, at $10.00 per 100.

Small Ferns for dishes, 4 varieties, $3.00 per 100.

Carl Hagenburger, West Mentor, O.

ASPARAGUS PLUMOSUS

4-inch strong, $10.00 per 100.

SMILAX, 2-inch, strong, $1.50 per 100.

BONE MEAL. Best in the market for Florists' use, $3.50 per 200 lb. bag.

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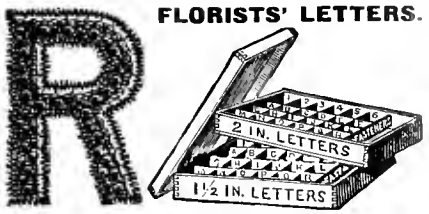
Boston Florist Letter Co.

MANUFACTURERS OF
FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1½ or 2-inch size, per 100, $2.00.
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CUT FLOWER BOXES

WATERPROOF Corner Lock Style.
The best, strongest and neatest folding cut flower box ever made. Cheap, durable, handy. To try them once is to use them always.

DON'T USE OLD STORE BOXES.
If you have any doubt, send for samples, which speak for themselves.

Size No. 1.	3x4½x16..	$1.75 per 100;	$15.00 per 1000
" No. 2.	3x6x18....	2.00 "	18.00 "
" No. 3.	4x8x18....	2.40 "	22.00 "
" No. 4.	3x6x20....	2.75 "	25.00 "
" No. 5.	4x8x22....	3.00 "	28.00 "
" No. 6.	4x8x28....	3.75 "	35.00 "

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WE NOW OFFER
"Chemicals"
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Dry powders all soluble in water. Composts cost less than ½c per gal. Correspondence invited.
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WE PURCHASED THE PAN-AMERICAN EXPOSITION
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For GREENHOUSES.

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Plain, Fancy, Printed & Mounted,
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Cape Flowers, ALL COLORS
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Importers and Manufacturers of
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Galax Leaves and all Decorative Greens.

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Complete Stock—New Goods—New Illustrated Catalogue Now Ready. Send for it.
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Fresh Tobacco Stems.
Bales of 300 pounds, $1.50.
CASH WITH ORDER.
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THE NEW SELF BALANCING
CAST IRON... VENTILATOR
One machine will open this ventilator on houses up to 1000 feet long. Send for circular.
A. RASMUSSEN, NEW ALBANY, IND.

American Florists Ads
Always do business,
Week days and every day
Sundays and holidays,
All over the country,
At home and abroad.

There's Business All Summer

If you will only work it up. Don't let your stock run down. Be sure to have everything on hand that a customer may call for. You will find every requisite listed and priced within the covers of our new Illustrated Catalogue. Free to Applicants in the trade only.

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Manufacturers and Importers,
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KIFT'S Patent **ADJUSTABLE VASE HOLDER**
No. 1.—Brass, nickel, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) $2.25. Price complete (with green or white cornucopia vases) $2.50. No. 2.—Heavy 4 ft. rod, brassed and nickeled, with three clasps for 5 to 6-inch pots, each $1.75.
KIFT'S PATENT Rubber Capped FLOWER TUBES, 1½-inch diameter, per 100, $3.50.
JOSEPH KIFT & SON, 1725 Chestnut St., Phila., Pa.
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EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS
WRITE FOR ILLUSTRATED CATALOGUE
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Liberal terms to florists who take subscriptions.
THE GARDENING CO. MONON BUILDING, **Chicago, Ill., U.S.A.**

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THE LARGEST, BRIGHTEST AND BEST
Horticultural Trade paper in the British Isles. It contains MORE ADVERTISEMENTS, MORE ILLUSTRATIONS and MORE NEWS than any of its contemporaries. Read by the whole of the British trade and all the best European houses every week. Annual subscription, 75 cents. Specimen copy post free. Published weekly.
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FOURTH OF JULY
rates via Nickel Plate Road. One fare for the round trip, July 3rd and 4th, within 200 miles of starting point. Return limit July 7th. Write John Y. Calahan, General Agent, 111 Adams St., Chicago, for particulars. 20

Cincinnati.

BUSINESS HOLDS UP WELL BUT GOOD STOCK IS SCARCE.—OUTING COMMITTEE NAMES PLACE AND DATE.—A VISITOR FROM THE SOUTH.—VARIOUS NOTES OF LOCAL DOINGS.

Trade remains first-class, but the majority of the stock coming in shows the effects of warm weather. All the rose growers have started to throw out the old stock and are getting ready for next season's campaign. As a result very few good roses are coming in. Those received are eagerly sought after and good prices prevail. George & Allan and J. A. Peterson are sending in some good lily of the valley, which finds ready sale. Sweet peas, too, are in good demand and there are not many left after the day's business is over. Candytuft, feverfew and mignonette are hard to move at almost any price. Carnations are holding up wonderfully well and sell out pretty clean every day.

The outing committee held a meeting Tuesday evening and decided to hold the outing at Norwood Inn Park, July 24. Let everyb dy come and have a good time, for this is going to be a genuine picnic for florists, their families and friends. Heretofore it has been at Coney Island and when we got there we encountered three or four other societies having outings also, and it was pretty hard to find the florists, but that will not happen this year.

Charles Critchell, formerly of this city, but now with the Atlanta Floral Company, Atlanta, Ga., was in the city this week, looking for different kinds of stock and shaking hands with friends. From his glowing description of the florists' business it must be one grand sweet song, down in Atlanta.

Alex Ostendarp, shipping clerk for the Cincinnati Cut Flower Company, has the sympathy of the craft in the death of his brother, which occurred last Monday.

Miss Cronan reports that she furnished flowers for forty-four different weddings the past week. D.

TO KILL ALL
Greenhouse Bugs
USE
"NICOTICIDE"
Clean and harmless as Fumigant or Spray. Ask your seedsman for it or write to
The Tobacco Warehousing and Trading Co.,
1000 Magnolia Ave., - Louisville, Ky

GALVANIZED WIRE—AT BARGAIN PRICES.
Fifty car loads of new galvanized wire, in short lengths. Never was used. Comes from 6 to 1 gauge. Put up 100 lbs. to a coil and only one size wire to each bundle. Prices range from $1.40 to $1.90 per 100 pounds. Our Free Catalogue No. for the asking. We handle all kinds of supplies from Sheriff's and Receiver's Sale.
Chicago House Wrecking Co
West 35th and Iron Sts., Chicago.

NO DULL SUMMER MONTHS
By laying in a stock of our "HOT WEATHER SPECIALTIES" the SUMMER MONTHS can be made profitable. Send to us for EVERYTHING in "Up-To-Date" Florists' Supplies and we will save you money. We are HEADQUARTERS. Special inducements for quantities. Catalogue for the asking.
Leading Florists' Supply House.
M. RICE & CO., Importers and Manufacturers
918 Filbert St., Philadelphia, Pa.

"BLACK DEATH" (POWDER) TO EAT THEREOF IS TO DIE.
BUG KILLER and FERTILIZER. Three years of unprecedented success wherever introduced all over the United States has proved "BLACK DEATH" to be a cheap and absolute annihilator of all insects, bugs or beetles that prey on vegetation, foliage and flowers. See what Peter Reinberg said in this paper, Feb. 8. Other strong indorsements sent on receipt of postal card.
Western Sales Agency, 235 Franklin St., Chicago.
HANDLED BY SEEDSMEN. S. D. STRYKER, Agent.

GEO. M. GARLAND,
IRON GUTTERS AND POSTS.
Testimonials from leading growers.
Send for Catalogue.
GEO. M. GARLAND, Des Plaines, Ill.
JOHN C. MONINGER CO., CHICAGO, SELLING AGENTS.
Please mention the American Florist when writing

DILLON'S GREENHOUSE MFG. CO. Bloomsburg, Pa.
MANUFACTURERS OF HOT BED SASH, AIR DRIED GULF CYPRESS SASH BARS AND OTHER GREENHOUSE MATERIAL.
BUILDERS of DURABLE and PRACTICAL Greenhouses at a LOW COST.
Our descriptive circular contains valuable information for every florist. Send for it. WE HAVE SOMETHING NEW TO OFFER.

SULPHO-TOBACCO SOAP
(PATENTED.)
IS FATAL TO ALL
INSECT LIFE.
Improves Flowers, Plants and Shrubs.
No Greenhouse complete without this Insecticide.
Sold by Seedsmen. A 3-oz trial cake, making 1½ gallons prepared solution, mailed for 10 cents.
Larkin Soap Co. BUFFALO, N. Y.

NIKOTEEN
IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE
DOES NOT INJURE THE MOST SENSITIVE PLANTS—ENDORSED BY PROMINENT FLORISTS—USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT—200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN
SOLD BY SEEDSMEN—CIRCULAR FREE—
SKABCURA DIP CO. CHICAGO.
Kill and save the Bugs! THE BLOOMS
QUICKLY DOES IT.

THE KINNEY PUMP.
For applying Liquid Manure it has no equal!
Sent prepaid for $2.00.
Address The HOSE CONNECTION CO. KINGSTON, R. I.

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"ROSE LEAF" EXTRACT OF TOBACCO INSECTICIDE
For Sale by Seedsmen. For Free Pamphlet Write to The Kentucky Tobacco Product Co., Louisville, Ky.

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FOR INSURANCE AGAINST DAMAGE BY HAIL, Address
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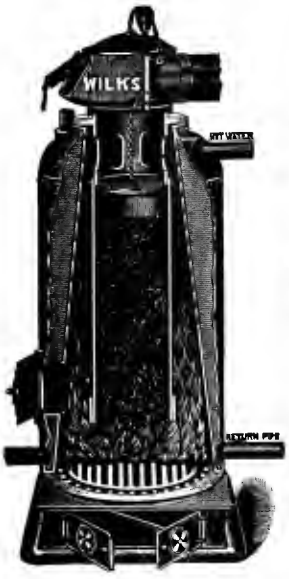
OUR DIECTORY FOR 1902 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE TWO DOLLARS.



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Best made for Greenhouses. SELF-FEEDING MAGAZINE. All Steel. Simple, strong, durable. Send for Catalog, etc.

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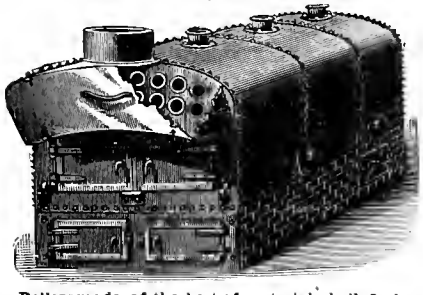

Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

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CYPRESS SASH BARS
UP TO 32 FEET OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND ERECTION WHEN DESIRED.
Send for our Circulars.
THE A. T. Stearns Lumber Co.,
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The lightest running, most rapid and powerful ventilating machinery in the market.

Duplex Gutters,
Made of wrought or cast iron with self adjusting sash bar clips. The only Drip Proof Metal Gutter offered to the Public. Send for my catalogue free.

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Get our estimate. We can serve you better than your local mill.

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New Twin Section Boiler.

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GET OUR PRICES BEFORE ORDERING.

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USE IT NOW.
F. O. PIERCE CO.
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San Francisco.

STATE VICE-PRESIDENT FOR CALIFORNIA WANTS TO SEE NATIONAL SOCIETY COME TO THE COAST.—THE STATE OF TRADE.

At the regular monthly meeting of the Pacific Coast Horticultural Society in Mission Opera Hall, the members were addressed by State Vice-president H. H. Lilienthal, of the Society of American Florists, who spoke on "The Importance of Horticulture As a Factor in State Development." Mr. Lilienthal said that San Francisco will soon become the ideal convention city of America and he hopes to see the S. A. F. here some day.

The summer is making itself felt and flowers are once more down to the "anything you can get" mark. Nothing is doing except funeral work and but very little of that. This will give the growers a chance to thoroughly overhaul their places.

Preparations are progressing apace for the exhibition August 14 to 16 in the nave of the Ferry building. A good prize list assures success.

GOLDEN GATE.

Buffalo.

DISAGREEABLE WEATHER CUTS INTO TRANSIENT TRADE.—BOUQUETS FOR GRADUATES HARD TO SUPPLY AT REASONABLE PRICE.—NOTES.

Cold weather and rain have made trade slow for several days. The extra supply of carnations is about over and school commencements this week call for a lot of cheap bouquets which are hard to provide. Sweet peas are just coming in. Beauties are still good and selling well, Bridesmaid and Bride scarce and small. This week will about finish all our greenhouse work and give the proprietors a chance to make out bills and see what are the results of the season. From reports the down town florists were very busy with funeral work on Monday.

BISON.

CYPRESS

Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

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Please mention the American Florist when writing.

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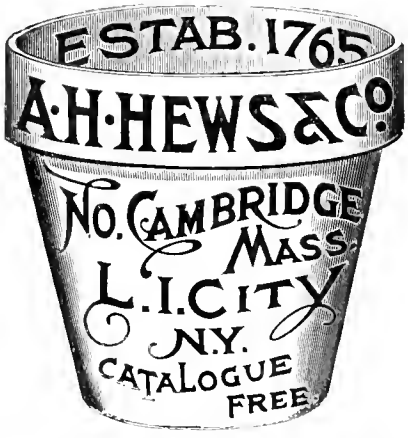

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MANUFACTURERS OF
FLOWER POTS.
Before buying write for prices.
361-363 Herndon Street,
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FLOWER POTS
ALL KINDS.
STANDARD POTS A SPECIALTY
List and SAMPLES FREE.
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WRITE
A. F. KOHR, 1521-23 N. LEAVITT ST., CHICAGO, ILL.,
FOR PRICES OF
Standard Pots
which for strength and porosity combined are the best on the market.

THOSE RED POTS
"STANDARDS"
FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y,
HARRY BALSLEY, Rep. DETROIT, MICH., 490 Howard St.

Please mention the American Florist when writing.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

Pots	Price per crate		Pots	Price per crate	
1500 2-in.,	in crate, $4.88		120	7 in.,	in crate, $4.20
1500 2¼	"	5.25	60	8	" 3.00
1500 2½	"	6.00	48	9	" 3.60
1000 3	"	5.00	48	10	" 4.80
800 3½	"	5.80	24	11	" 3.60
500 4	"	4.50	24	12	" 4.80
320 5	"	4.51	12	14	" 4.80
144 6	"	3.16	6	16	" 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers. Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.

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OR ... FORT EDWARD, N. Y.
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THE BEST ON THE MARKET.
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YOU NEED THEM IN YOUR BUSINESS.
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(PATENTED)
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Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.

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SAMPLE POT AND PRICE LIST ON APPLICATION.
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A Weekly Illustrated Journal.
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The putty that stays where you put it.
The putty that paint sticks to.
The putty that does not rob paint of its oil.
The putty that does not evaporate.
The putty that does not discolor white or light tints.
The putty for Florists.
The putty for Nurserymen.
The putty for you.

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Lucas Glass is the best for Green or Hot Houses.
Let us quote you prices.

JOHN LUCAS & CO.
320 Race St., Philadelphia, Pa.

Second HAND BOILERS and Pipe.

5 No. 16 Hitchings Boilers in good order, with New Grates and Fire Bricks. Also 6,000 feet 4-in. cast iron extra heavy pipe, 9 feet lengths, ells, tees and Expansion Tanks.

Cheap for Cash.

W. A. Hammond
107 E. Broad St., Richmond, Va.

D. O. Cunningham Glass Co.,

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Tank Window Glass.
Hot-House Glass A Specialty.

Horticultural Builders & Heating Engineers
PHILLIPS MFG. CO.,
Tel. 1851 Bergen. Jersey City, N. J.
In 1900 we built 5,726 square feet.
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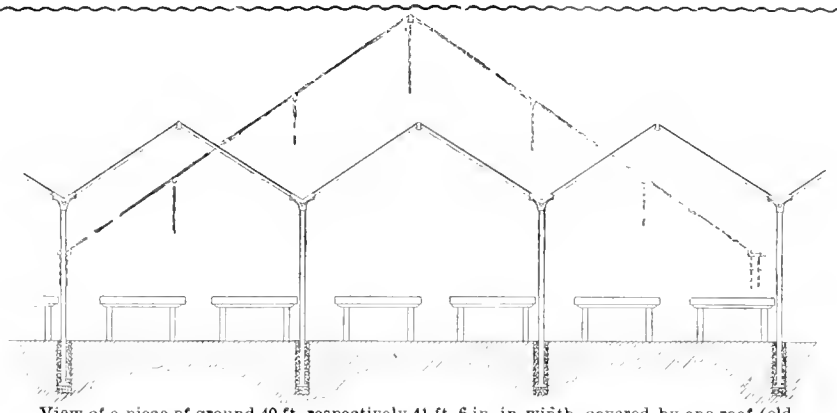

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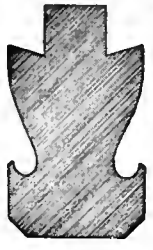

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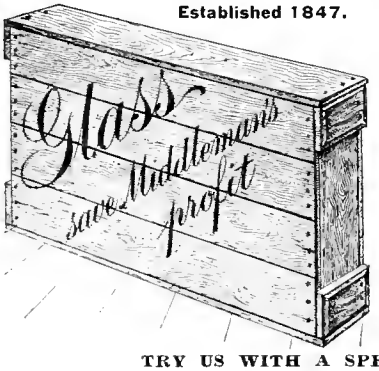

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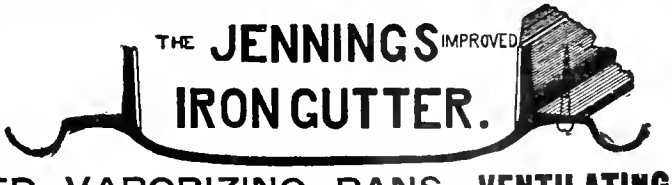

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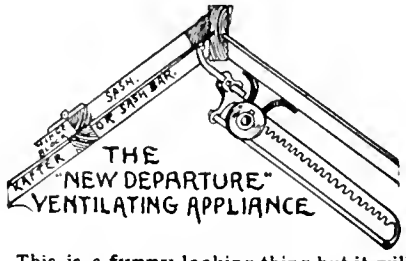

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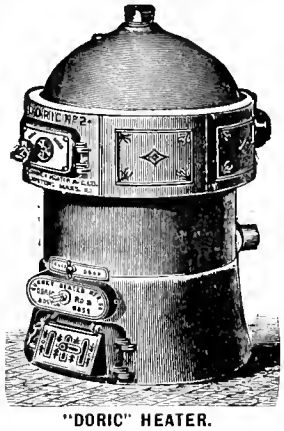
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THE AMERICAN FLORIST

SEVENTEENTH YEAR.

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Smilax and Asparagus.

To the specialist there is but one subject of prime importance, that subject being the particular specialty in which he is most interested, but in the florists' trade all cannot be specialists, for location and available market have much to do with the direction of the growers' efforts. While there are many specialists in roses, carnations, violets, palms and so on, yet there are a much greater number who find it necessary to include a variety of plants in their stock in order to meet the demands of a varied trade. The latter class of growers has many things to remember and to make preparation for, there being not only the great flower festivals of Christmas and Easter to be taken into consideration, but also all sorts of calls to be met between times.

For the cut flower end of the business there must be some stock of green stuff prepared, for though it is possible to get such material from the commission houses in the large cities, yet one cannot profitably buy everything of this character for each hurried job that may be secured, and it is therefore wise to have some home supply, to be used in emergencies at least.

There are still many uses for smilax in the retail trade and it is not always easy to get it of good quality. Some space should, therefore, be given to this plant and the sooner the bed is prepared and the young stock planted out, the better, the latter part of June or the early part of July being the most favorable time to plant smilax. It allows for cutting three to four crops within the year, provided that the proper conditions are maintained.

Any good loam will answer for a smilax bed, though a moderately heavy soil usually gives the best results, and in the preparation of the bed about one part in six of good stable manure should be incorporated in the soil, a sprinkling of bone dust being also an advantage. Strong young plants from 3-inch pots are a good size for planting out, these being spaced from nine inches to one foot apart in the bed, planted firmly and the glass given a light shading. The surface of the bed should be kept free from weeds and stirred up with a hoe or weeder until the plants begin to cover up the space, after which but little cultivation will be required.

As soon as the young growths begin to run no time should be lost in stringing the bed, colored twine or silkaline being much the neatest material upon which to train the smilax. This avoids the necessity of removing the strings when the smilax is used in decorating.

The most dangerous pests to which smilax is subject are thrips and red spiders, both of which will increase with amazing rapidity during the hot weather and either will be liable to do great injury in a short time if unchecked. Fumigating is the surest remedy for thrips, and aphis punk is a reliable preparation to use for this purpose. Fumigating with tobacco stems will also kill the thrips and possibly cost less money than the preparation named above, yet there is more risk of injuring the foliage by using the tobacco stems.

Red spiders may be controlled by careful and forcible syringing throughout the hot weather, and in fact should be followed up in bright weather all through the year. There is also some trouble from caterpillars at times, a worm very similar to the common cabbage worm having a great appetite for the smilax leaves, an appetite that may be permanently appeased by the use of a liquid preparation of Paris green on the plants.

After the first crop of smilax has been cut off no time should be lost in replacing the strings, so that the new growths may find a support at once, it usually being necessary to look over the bed at least once a week in order to guide the young shoots in the way they should go. This is a much easier method than to allow the growths to get tangled up and then endeavor to separate them.

If the soil used for the bed is of good quality it may not be necessary to add fertilizers after the first cutting, but unless the soil is very rich a light top-dressing of short manure will prove profitable to the second crop, for smilax is allied to the garden asparagus and like that toothsome vegetable responds abundantly to liberal treatment. It also resembles that vegetable in being benefited by a light application of common salt occasionally, the best time to apply the salt being when the strings are nearly ready to cut, the effect being to harden the foliage to some extent and to give it better substance and color. But owing to the variations in the composition of different soils any experiments with salt in smilax growing should be carefully made, for some soils may not need the salt or may be better without it.

Smilax may be readily grown from the same bed for two years without replanting, but many growers prefer to replant each year, and taking into consideration the low price at which young stock may

be had it would seem that the latter method was the best.

There are other greens to be provided for besides smilax, and the most useful of these are found in the asparagus family. Of these we see but little of A. tenuissimus nowadays, though some floral artists still find use for this species at times, but A. plumosus is now well in the lead, with A. Sprengeri a fairly good second in the public esteem. In considering A. plumosus we include the form of this species known as A. Comorensis, a very useful form and one that in addition to being grown in Philadelphia for several years past, as was noted in a recent issue of this paper, was also known to some of the New York growers, J. M. Keller, of Bay Side, Long Island, having grown this form for many years, considering it superior to the type.

The retail grower naturally cannot put up special houses for asparagus growing, such as those built for that purpose by the Massachusetts expert, W. H. Elliott. He may, however, look for a reasonable measure of success by growing this plant under much the same conditions as those suggested for smilax, but with the full understanding that there is not likely to be three or four crops of asparagus the first season, for under favorable conditions the second year's growth is needed to produce a good crop of long strings.

It will, therefore, be readily seen that asparagus growing on a large scale means considerable outlay, and some waiting before large dividends are realized, for the maintenance of a temperature of 60° to 65° in large houses, as should be done for either smilax or asparagus, means that a large and effective heating apparatus must be included in the outfit.

Both A. plumosus and A. Sprengeri are good stock to have as pot plants, the seedlings potted up two or three together in a small pot soon forming salable stock to be used in table ferneries and other decorative work, and as they grow larger and are potted on into 5-inch or 6-inch pots such plants become quite useful for the retail trade, remembering that they may be used up in short sprays in design work even if the stock is not all cleaned up by retail sales.

W. H. TAPLIN.

The Value of Meadow Muck.

In order to use meadow muck with economy it is necessary to know something about its value in comparison with barnyard manure, writes Fred. W. Morse in a bulletin of the New Hampshire Experiment Station. This bulletin is intended to show the comparative values per cord of the two materials, based on data taken from the work of our agricultural experiment stations.

The amount of fertility in barnyard manure was reckoned from analyses of nineteen different lots used by the Massachusetts Experiment Station in a series of co-operative field experiments. These lots of manure were from different farms and represented actual farm-practice, which makes them more suitable for this bulletin than the average of all analyses published in experiment station literature.

The average percentage composition of these manures was: Water, 70.27; nitrogen, .387; phosphoric acid, .249; potash, .388. Six of the lots had the organic matter in them determined with an average result of 26.74 per cent.

In a part of the experiments the manure was both weighed and measured, with the result that eleven lots ranged between 5,120 pounds and 7,400 pounds per cord, and gave an average for all of 6,060 pounds per cord, or approximately three tons.

On a basis of three tons, one cord of the average barnyard manure would contain: Nitrogen, 23¼ lbs.; phosphoric acid, 15 lbs.; potash, 23¼ lbs.; organic matter, 1,600 lbs.

The average composition of wet meadow muck was calculated from the results of ten analyses made at this station together with twenty-eight reported from the Vermont and ten from the Maine Experiment Stations.

Water, nitrogen and organic matter are the only constituents considered in the mucks because potash and phosphoric acid are not present in quantity and of availability sufficient to warrant analysis.

THE LATE WILLIAM G. BERTERMANN.

(See page 848.)

The average percentage of water and nitrogen in forty-eight samples and of organic matter in twenty-nine samples were as follows: Water, 77.36; nitrogen, .452; organic matter, 17.04.

The mucks were somewhat wetter than the manures, the former having from fifty-five to eighty-nine per cent of water and the latter from fifty-three to seventy-nine per cent.

No weights of a cord of wet muck have been found, therefore it has been necessary to assume that a cord of it is as heavy as a cord of manure, which is probably an underestimate.

On the basis of three tons, a cord of the average muck would contain: Nitrogen, 27 lbs; organic matter, 1,022 lbs.

To put the muck on a basis comparable with the manures, the following facts have been considered: In fertilizers, nitrogen costs about three times as much as available phosphoric acid and potash. Therefore the thirty-eight and one quarter pounds of phosphoric acid and potash in the cord of manure would be equivalent to twelve and three-quarters pounds of nitrogen, and its total fertilizing constituents would be equivalent to thirty-six pounds of nitrogen.

Experiments at the New Jersey Experiment Station have shown that the nitrogen in fresh solid and liquid manure is as available as the nitrogen in ammonia salts and dried blood, but the nitrogen left in such manure after prolonged leaching is but three-eighths as available. It is not known whether the nitrogen of muck is as available as that in leached manure; but for convenience it is assumed to be equally so. On this basis twenty-seven pounds of nitrogen in a cord of muck would be equivalent to about ten pounds of nitrogen in barnyard manure. The organic matter in muck may be considered worth as much as that in manure.

Therefore, on the basis of fertilizing constituents as calculated, one cord of manure is worth three and one-half cords of muck, while on the basis of organic matter, a cord of manure is equivalent to one and one-half cords of muck.

In connection with the amount of organic matter in muck, it is of interest to consider the amount of organic matter turned under in a crop of rye. Experiments at the Pennsylvania Experiment Station show an average yield of 1,800 pounds of organic matter per acre in a crop of green rye at the stage of growth when it could be plowed under, or about eighteen inches in height. Two cords of average muck would be fully equivalent to this amount of organic matter.

It is often the case that muck is exposed to the weather for several months, in order to dry it. One experiment is reported by the New York Experiment Station in which the changes undergone in such weathering are shown. In a year of exposure, a compost consisting largely of muck lost over one-fifth of its nitrogen. In compiling these muck analyses it was noticed that the dry mucks contained less nitrogen in dry matter than the wet mucks, and upon comparing averages it was found that twenty mucks with low percentages of water contained only 1.55 per cent of nitrogen in the dry matter, while the forty-eight wet mucks had two per cent. The experimental and the analytical results both show that muck should be dried under cover, when it is being prepared as an absorbent.

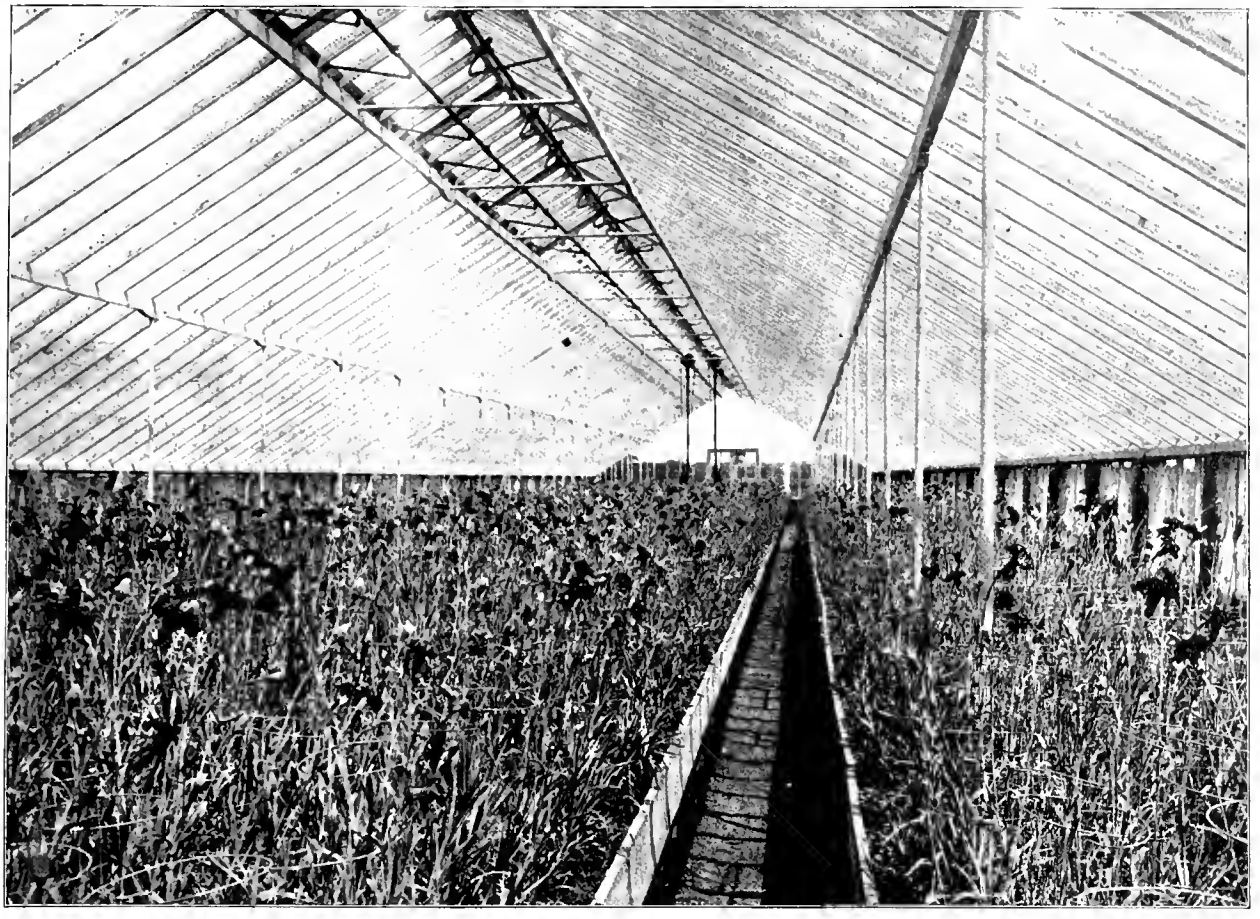
CARNATIONS.

EARLY BENCHING.

We hear of several growers who are contemplating very early planting of some varieties of carnations and within the next week or so housing will commence. This is getting more than close to entire indoor summer culture. I am firmly convinced that with some of the best fancy varieties that are slow to arrive at their best and those, also, which take a long time to stem up, this is the proper method to follow.

My experience has been that small, healthy plants, planted into their permanent quarters at this time, if properly treated, will give better results than a plant twice as large planted a month later, notably varieties of heavy growth, like Mrs. Lawson and Marquis. These varieties seem to take a certain length of time to get thoroughly established before throwing the fancy blooms that they are capable of. Therefore, start them early.

We are getting more rain than we care for just now; consequently the plants are making a rapid growth. It has rained so much during the last two weeks that we have hardly been able to get on the land to keep the plants topped and the weeds down. I would not advise planting into the house while the plants are so saturated with moisture, for when in that condition we find them slow to take



HOUSE OF CARNATION G. H. CRANE, PHOTOGRAPHED MAY 25, BY THE THOMPSON CARNATION CO., JOLIET, ILL.

hold. But as soon as they have had a week or so of clear, drying weather, in they go.

As the weather is liable to be very hot now, close attention must be given the plants when planted, to get them started. They will need to be well shaded for a time or until the roots have taken hold of the soil, when the shading can be partially removed, leaving just enough to break the direct rays of the sun during the very hot weather, but not so much as to cause a spindly growth. After the plants have been watered in at planting time, careful and frequent syringings will be necessary to prevent the plants wilting. Also beware of draughts through open doors or side ventilators, particularly during the first two weeks after planting.

We can begin to see the character of growth of some of this year's novelties now and among them we note the following to have a vigorous, sturdy habit: Gov. Wolcott, Mrs. Higinbotham, Mrs. Potter Palmer and Gaiety. The last named at present bids fair to be the most rapid grower of the variegated varieties we have seen. C. W. JOHNSON.

PREPARATION OF THE SOIL.

It is not many weeks before we will have to get ready for planting the houses and with some growers the preparation of the soil is quite a problem. One grower uses soil that he has had in preparation a year or more, and there is no question but that this sort of soil intelligently prepared is the best to use. Another grower will plow up a batch of sod early in the spring and compost this with manure, turning it twice or oftener during the summer. Where this sort of soil has proven successful the grower is foolish to make any change, for, no matter what any other grower may advise, there is nothing succeeds like success If your plan is successful do not make a change, excepting it be in a small way as an experiment. As a rule this soil is not very desirable, as the sod is likely to contain germs of the fungus that produces stem rot; at least this is what some of our learned professors tell us and our own results prove them correct.

Sterilizing has come to be an item in carnation culture and is likely to become more general every year as the results obtained in sterilized soils seem to warrant the extra expense in preparation. This process has several advantages and one of them is that almost any soil can be used, so that it has the proper amount of fertility and is mechanically adapted to plant growth, the sterilization ridding it of weed seeds and fungus growths.

My own method of preparation is very crude and might not apply to many soils, but the results I obtain lead me to conclude that for me it is the very best method. We take the soil right from the field, one that has been in cultivation for at least two years. This soil has no preparation excepting that it is brought up to a high state of fertility. It is brought into the houses as soon as they are cleaned out and left to get thoroughly dried out and baked, with the houses kept closed and hot from the sun.

This method does not kill the weeds but is otherwise almost as effective as sterilization by steam. The weeds can be killed by watering the beds a few weeks before planting and then destroying the weeds. This does not clean them all up but is considerable of a help. This soil when first brought into the houses has well rotted manure mixed with it or dug under, so that the manure gets the heating and drying process along with the soil and no doubt loses a goodly percentage of its strength, but this is more than counterbalanced by the fine condition in which the soil is put for plant growth.

Another point in regard to soils is that different varieties of carnations require different soils, some requiring more manure than others. This is easily regulated after the houses are planted by adding fertilizer to those which require it and adding nothing to those that show no need of it. Some varieties also do better in soil of a heavy texture and others in a lighter soil. This is a harder problem than the question of manure and as my soil is of a very loose character I have been compelled to use the clay subsoil for some varieties.

This clay subsoil is the soil taken to the depth of about eight inches after that amount of top soil is first taken off and put aside. This soil is not much to look at; in fact, it looks as if nothing could thrive in it, but with a liberal application of cow manure it produces a quality of flowers that it is impossible to obtain in the loose top soil. Most of the whites are considerably better as to quality of bloom, stiffness of the stem and strength of the calyx in this soil than in the top soil. Carnations of the Daybreak type are also much improved, while

the Scott class of pinks are very decidedly deteriorated. It seems almost incredible but it is an actual fact that White Cloud was increased in value forty to fifty per cent by the use of this soil the first year I tried it; and Scott was reduced in value to that extent.

I would not want to advise the general use of subsoil, as many subsoils might be of no value or even ruinous to the plants: but I do cite this experience of my own to show the value of a careful study of soils and their relation to each variety of carnation grown. If the very best results are aimed for, one pile of composted soil for all your houses is not to be taken into consideration, and it might almost be laid down as a rule to avoid the use of sod soil where you want to grow carnations, but the best rule of all is to make your own observations carefully and then make your own rules as to what is the best soil.

ALBERT M. HERR.

RESULTS AT CROMWELL.

Carnations have done very well during the present season at A. N. Pierson's, Cromwell, Conn. Sterilization has had a very beneficial effect upon the plants and it will be practiced in preparing the soil for next year. The cost of sterilization is comparatively slight when the helpful results are considered. Stem rot, and especially the wet rot, has caused but very slight damage and the few plants that were lost might have been affected in the field. The absence of weeds saves a great deal of labor and gives the houses a better appearance.

The varieties which will be grown largely next season are: In white, Queen Louise. This variety gives a very clear color, is of vigorous habit and a free bloomer. Norway is not quite clear enough in color. White Cloud will be grown, but in small quantity, while Flora Hill is to be discarded. In pink, Lawson is, of course, at the top. An entire house will be devoted to this variety next season. Joost has been the best pink, in its grade. Genevieve Lord will be tried on a larger scale. Scott and Crocker are out of it. The Nelson will be given a thorough trial.

The Marquis has done very well here and is one of the most popular carnations. Morning Glory will be grown for a light pink. Goethe is out of it, as it sends too many single blooms. Crane and Estelle will be the scarlets. Roosevelt and Maceo will be grown for dark red. In yellow, Eldorado and Golden Beauty are the best. California Gold and Cervera are good varieties to produce, but there is but very little call for varieties of their color. Gold Nugget is to be thrown out. Novelty will also be grown.

In variegated, Prosperity is by far the best yet tried. It has bloomed freely and plants are of vigorous habit. Bradt will also be grown. Olympia has not been a success; too large a proportion of the flowers split the calyx.

Some of the new ones to be tried are Wolcott, Floriana, Cressbrook, Wild Rose, Enquirer and Lorna. W. A. D.

ORIGINAL PLANT OF THE CLIMBING CLOTHILDE SOUPERT ROSE AT AUGUSTA, GA.

BROCKTON, MASS.—H. E. Barrows has sold his business to Chas. A. Reed.

HANCOCK, MICH.—A. M. York has bought the greenhouse property in Ripley and is making a number of improvements.

The S. A. F. and the Southland.

There is not a glint of glass in the sunlight every half mile as one rides through the southland, as there is in many northern communities, but those engaged in floricultural pursuits in the southeast are alive to the impetus which the industry will receive from the visit of the Society of American Florists to Asheville in August. The leading florists in the contiguous and adjacent states are beginning to take hold of the matter in earnest and interest is being aroused throughout the south. The active spirits have opened correspondence with those of the craft in many states, urging them to be present at the big meeting at Asheville, to join the S. A. F. and to drum up all the recruits possible.

From these first efforts it is evident that much interest will be created and manifested as the date approaches. Much enthusiasm has been awakened and much good will result from holding this meeting in the south. It goes without saying that the attendance from south of the Ohio will be the largest in the history of the organization and, as every effort is being made to book new members, it is hoped that the society will at least not lose, if it does not gain, in membership by journeying far into new fields. Among those who have already said they will be at the convention are:

C. H. Hune, Memphis, Tenn.; W. J. Ellsworth, Jessamine, Fla.; J. L. O'Quinn, Raleigh, N. C.; A. L. Hatch, Rockledge, Fla.; E. N. Reasoner and Mrs. Reasoner, Oneco, Fla.; James Morton, Clarksville, Tenn.; A. C. Oelschig, Savannah, Ga.; Harlen P. Kelsey, Kawana, N. C.; J. Van Lindley, Pomona, N. C.; J. H. Nunnally, Atlanta, Ga.; H. S. Chase and W. F. Heikes; Huntsville, Ala.; Otto Katzenstein, Pinehurst, N. C.; George W. Caldwell, Evergreen, Ala., and L. A. Berckmans, Augusta, Ga. In addition the C. A. Dahl Company, of Atlanta, and the Griffing Brothers Company, of Jacksonville, Fla., say they will be represented.

John Wolf, of Savannah, Ga., will be on hand and will be one of those to exhibit southern grown bulbs, Roman hyacinths. J. E. Jackson, of Gainesville, Ga., will be present to exhibit some novelties in the plant line and P. J. A. Berckmans, Jr., of the Fruitland Nurseries, Augusta, Ga., will have a large exhibit, including palms, fancy-leaved caladiums and conifers. There promises to be a goodly delegation from Birmingham, Mobile, New Orleans and Texas, with several parties bringing stock to exhibit.

There is a very general opinion that this convention will be a great aid to southern growers who are working up a wholesale business. Retail trade is increasing steadily all over the south. The demand for cut flowers is growing apace with the plant trade and all the florists in that great section of the Union have had a satisfactory business during the past season.

Taking Augusta, Ga., as a representative community in the new south, we find purchasers becoming more critical as to the quality of the stock they buy and poor material is not readily disposed of. The demand for palms and other decorative material is on the rapid increase and during the past season the cut flower trade has been very brisk, partly because of the number of winter resort hotels in the neighborhood. With the erection of a new hotel, to cost $300,000 on the heights of North Augusta, the prospects are for an even better business next year.

RHODODENDRONS ON THE MOUNTAINS NEAR ASHEVILLE, N. C.

The cut flower business at Augusta has been handled by J. Rival, The Huss Floral Company and C. C. Stubb, the P. J. Berckmans Company doing almost exclusively a wholesale trade, growing no cut flowers. This company's grounds are located about a mile and a half west of the terminus of the Lake View electric line and there are some famous sights to repay the visitor. The business was established in 1856 and over 400 acres are given to nursery stock, the tract affording almost every sort of soil found in the state. There are roses, coniferous and broad-leaved evergreens, deciduous trees and shrubs, fruit and nut trees, grapes and small fruits grown under the most suitable conditions.

The greenhouse department includes over 60,000 square feet of glass in greenhouses, not to mention a large area in cold frames, in which a considerable variety of plants can be safely wintered in this section. Over half the glass is devoted to palms and the fancy-leaved caladium is another decorative plant which is grown in large quantities. Several acres are devoted to cannas.

One of the features of the business done here is the foreign trade. For years they have been shipping trees and plants to Australia, India, South Africa and many other distant countries with excellent success.

One of the accompanying illustrations shows the Berckmans range of greenhouses, another shows the original plant of the Climbing Clothilde Soupert rose, which is growing on their place, and the third is a picture of rhododendrons in the mountains near Asheville, from a photograph recently taken by L. A. Berckmans.

Prizes for Growers.

Moore, Hentz & Nash, of New York, being of the opinion that the actual grower of any flowers that take a prize should be recognized and rewarded in some way, as well as the owner and exhibitor, have again this year offered four handsome medals for that purpose, to be competed for at the seventh annual flower show of the Morris County Gardeners' and Florists' Society, to be held in Madison, N. J., November 6 and 7, and elect that they shall be awarded as an additional prize as follows: One to go with the first prize for eighteen American Beauty roses, one with first prize for twelve Bridesmaid roses, one with twelve Bride roses, to be grown in commercial establishments only, the fourth to go with the first prize for the best exhibit of chrysanthemums, open for both private and commercial growers. In the event of anyone being both grower and exhibitor, taking the first prize, he shall also be entitled to the medal offered in that class.

Asheville.

Oh! mountain-girt city of Asheville,
The gem of "The Land of the Sky,"
The rose of the beautiful valley,
With the French Broad flowing by.
How grand is the sweep of the mountains,
Encircling the hill and the vale;
How pure are the musical fountains,
And soft the caress of the gale.

'Tis here that the zephyrs are fondest,
For they heal with a touch of their wings;
'Tis here that the flowers are fairest,
And here that the mountain rill sings;
'Tis here that the trill of the bluebird
Sweetly blends with the oriole's song,
As they flit over meadow and hillside,
In the sunlight, all the day long.

'Tis here that the cheeks of the maiden
Bloom out with the roses of health,
And the invalid lover of Mammon
Feels a joy that is better than wealth,
For the skies are bright as Italian,
With the green wooded mountain and glen,
Bring back the full vigor of manhood,
And life is worth living again.

Oh! beautiful city of Asheville,
Romancer nor poet can write
The beauties that cluster around thee
Like glittering stars of the night!
But the eye of enraptured beholder
Alone in the soul of them speaks,
From the scenes of the swift-rolling river
All around to the tall mountain peaks.

—*W. Cotton Downing.*

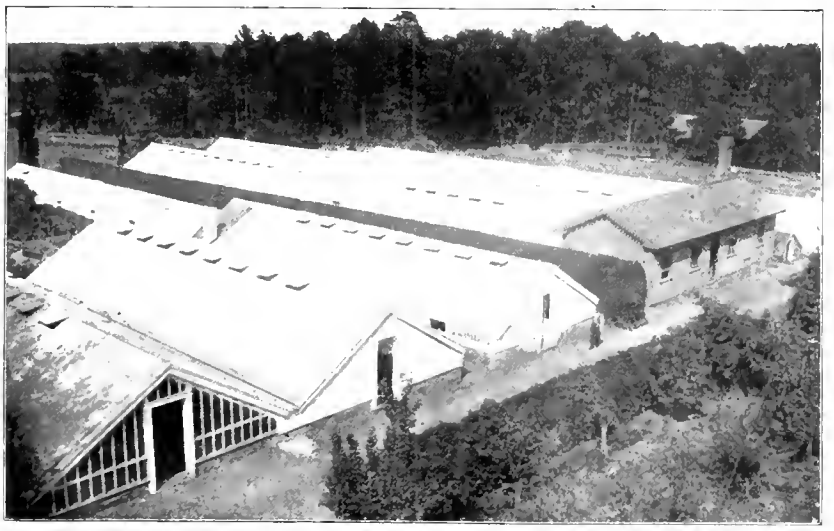
Prof. Maynard.

"Shameful outrage" is the only characterization of the Massachusetts Agricultural College trustees' action in forcing Prof. Samuel T. Maynard from the faculty. It is as if the trustees of Amherst College should kick out "Old Doc" Hitchcock to satisfy some personal spite. This incident is a demonstration of the unsafe and unwise policy of placing the management of such an institution in the hands of politicians and men who care little for the school beyond its value to their personal interests. The alumni and friends of the college are waxing wroth over this treatment of the venerable teacher who has given his life work to the institution and who is the peer of any member of its faculty, and the incident is not closed. They are enlisted in a good cause and should fight on until justice is done.—*Northampton Herald.*

[Prof. Maynard deserves much better consideration.—ED.]

Two Rare Freesias.

An extremely pretty freesia was recently in flower at Kew under the name of Freesia refracta (aurea), which is totally distinct from the F. refracta alba of gardens, the flowers being smaller, and less sweetly scented, while the color is a clear bright yellow, not a mere sulphur hue, but a decided golden tint. It is later in flowering than the garden form, being at its best about the middle of April, says a correspondent of the *Gardeners' Magazine*. A second freesia that I have seen in bloom at Kew and elsewhere is F. Armstrongi, in which the flowers are of a bright rosy-pink hue, that deepens in tint towards the edges of the expanded segments. The outside of the tube is nearly white, while there is a blotch of yellow in the interior of the throat. This freesia first flowered at Kew some two or three years ago, the bulbs having been sent by W. Armstrong, of Port Elizabeth, after whom it is named. Though very beautiful, it does not possess the delicious fragrance of the common kind. Not only are both these freesias very beautiful and distinct, but their possibilities for hybridizing purposes are great. Their cultural requirements are about the same as the commonly grown form, as a good deal of the success or otherwise attending their cultivation depends upon the bulbs being thoroughly ripened by perfecting their growth in the sunshine, and not under stages or in similar places, when the blossoms are past. Freesia Armstrongi appears to be more vigorous than the others.



GREENHOUSE DEPARTMENT, FRUITLAND NURSERIES, AUGUSTA, GA.

Chicago.

STOCK VERY SCARCE WITH NO EXTRAORDINARY DEMAND.—ROSES IN MUCH IMPROVED QUALITY.—WHITE CARNATIONS THE SHORTEST ARTICLE.—PRICES WELL UP.—LILIES PLENTIFUL.—CONTINUED RAINS THREATEN CARNATION FIELDS—ASTERS SHOW INJURY.—JOTTINGS OF MANY DOINGS OF WHOLESALERS AND GROWERS.

There has been no unusual demand this week but stock has been scarce. Things were cleaned up so well in the last week of June that the market was almost bare at the beginning of the current week. The shortage was particularly noticeable in white carnations. There are no long-stemmed Beauties and only very light receipts of the short stock, but there are more Brides and Bridesmaids. The quality shows a considerable improvement over that of the past few weeks, Meteors being exceptionally good for the season. Golden Gate is blooming most profusely of all. There are a considerable number of pink carnations in market, but in general the quality is very low. The whites and fancy sorts have been so scarce that prices have ranged up to $2 for anything that was worth having, and $3 for the best stock, something quite unprecedented for July. There are still a few pæonias about, but selling slowly. Sweet peas are in heavy supply but not moving actively since the month of weddings ended. A noticeable feature is the number of longiflorum lilies coming in. They do not move except for funeral work. The receipts of adiantum are again quite heavy, smilax is in big supply and asparagus is quite plentiful. All told, business was never better for the first of July. The demand exceeds the supply and on many items considerably more stock could be handled without affecting values.

Not in ten years has the rainfall in June been anything like the record for the past month. In thirty days, 6.22 inches of rain fell in the vicinity of Chicago and the prospect of continued showers is causing the growers considerable alarm. Already asters in the field are showing a big percentage of loss, but it is to the carnations that the greatest injury is feared. On low fields there has already been considerable damage, many of the plants being drowned out and others badly attacked by stem rot. There are reports that some growers will lose their entire stock, but doubtless these are exaggerations and conditions will not prove to be so bad as now appears if we have a cessation of precipitation. At the old Reissig place at Riverside the violet plants have been drowned out and F. W. Timme, in Irving Park, is reported to have lost practically all his carnations, while most growers report some loss.

A. L. Vaughan, of E. H. Hunt's, is at home from a trip of several months and says that in his travels he has found everybody prosperous and happy. He thinks that never before were geraniums and other bedding plants so closely cleaned up and says there is likely to be a big demand for stock plants this fall.

Wietor Brothers are adding many miscellaneous items to their stock. They have a big field of asters for summer, six houses of chrysanthemums for fall and are planting a house of Sprengeri and another of smilax.

The Poehlmann Brothers Company has completed its eight new houses, two of them 23x300, two 23x400 and four 23x200. One will be given to Bridesmaid roses and the others all to Beauties.

The Kennicott Brothers Company has begun the extensive alteration of its store. It is expected that the changes will take six weeks' time, for every feature of the place will be brought up to date.

There were a few early asters in market this week and within a short time the cut will be heavy if the rains let up. J. Duerr and J. T. Anthony, at Geneva, will soon be cutting from 40,000 plants.

The wholesalers have sent out practically their last price lists for the season, suspending publication until September 1, but prices will be quoted right along in this journal.

Louis Gresenz is having a two weeks' vacation from Bassett & Washburn's but is spending it at home, for Mrs. Gresenz is ill.

Through the efforts of F. F. Benthey, the wholesalers have decided to make it unanimous and all close at 5 o'clock for two months.

Mathias Mann, at 3793 North Clark street, is rebuilding nine houses and putting his range into first-class shape.

A. C. Kohlbrand, with E. C. Amling, is at his old home at Cincinnati for a two weeks' vacation.

A L. Randall and family are at their summer home on the St. Joe river in Michigan.

C. M. Dickinson is in New York this week.

Visitors: John R. Fotheringham, Tarrytown, N. Y.; W. A. Hartman, South Haven, Mich.

New York.

GOOD BUSINESS THE LAST OF JUNE.—FIRST WEEK OF JULY THE DULLEST OF THE YEAR.—NO DEMAND AND GROWERS THROW OUT STOCK.—MANY EUROPEAN VOYAGERS.—VACATIONS NOW IN ORDER.—NOTES HERE AND THERE.

The current week is doing its best to maintain the reputation of the first week in July as the dullest period in the whole year. There are frequent times when more unsold material is on the market, for the growers generally understand that if they have any stock to throw out and benches to replant, there is nothing after June 30 in the way of business or demand to prevent their doing so, and therefore the receipts are falling off very rapidly. Last week was a good one all through the city, the call from all sides being generally in excess of the available material in acceptable grades. Steamer departures this week are about all there is left to struggle for and after that early closing, vacations, renovating, and so forth will be in order.

It is quite an undertaking to follow up and keep record of the fortunate tourists who have made money enough the past year to go abroad with. Each season sees a larger list. August Rhotert went on the Koningen Louise on Thursday, July 3. C. Albert Small left on Tuesday and L. C. Bobbink is already half way across the Atlantic. A letter announcing the safe arrival of A. Dimmock on his native heath has been received and a recent report from B. Suzuki tells of his arrival at Vancouver enroute to Japan, after a rare experience with June snowstorms and blockades westward from St. Paul. P. Smith, of John I. Raynor's has gone on a rusticating trip but America is good enough for him this time. W. H. Gunther will omit his usual summer sojourn in the Berkshire Hills this year and attend to business in his newly equipped store.

Mrs. Hallinan had a busy June. She gets a great deal of the political floral work, two of the pieces made last week by her manager, Chas. A. Bird, being horseshoes for officers of the fire department. One was for Chief Croker, sent him on the eighteenth anniversary of his connection with the department, the other for Capt. Donohue, who has been in the service thirty-two years.

The wife of Arthur Pawlowski, of Chas. Scallen's, died June 25.

Boston.

NEW ENGLAND NEEDED MANY FLOWERS IN LAST DAYS OF JUNE.—NO USE FOR STOCK IN JULY.—QUIET PREVAILS IN THE WHOLESALE SECTION.—THE NEW FERN.—SCHOOL CHILDREN CAPTURE MOTHS FOR PROFIT.—PERSONAL AND OTHERWISE.

The cut flower situation has changed since last report, as was expected. Last week was a busy one in every corner of these New England states, with their thousands of schools and seminaries, each sending out its annual finished product of graduates, and Boston wholesalers were kept hustling, and they in turn kept growers hustling, to supply the needed material up to the final wind-up on Saturday—the annual school festival in which the mayor of Boston presents a bouquet of flowers to each of the 3,000 or 4,000 graduating pupils. This week there is "nothing doing." Express messengers and telegraph boys have vanished from the vicinity of the wholesale flower marts and everybody has an abundance of time to devote to the questions of the day, Fourth of July fireworks, vacations, and Asheville. Receipts of roses, carnations and other cut flower stock have now fallen off and the supply will be at a minimum for a while. Plant marketing has also come to its finish and all are glad, especially the auctioneer, to whom the closing plant sales of the season are dreary and hollow mockeries.

I had the privilege of a thorough inspection of L. H. Foster's stock of his pretty new fern, Anna Foster. Readers of the AMERICAN FLORIST are not strangers to the quality of the Boston fern stock Mr. Foster has been putting on the market for several years past and hence will require no assurance that when the much-talked-of novelty is put out next September it will be found "all right." As to the variety itself, its future is assured. It is totally distinct in many respects from other improved forms of the Boston variety of Nephrolepis exaltata, one of its special characteristics being the effectiveness of the cut fronds in table decorative work or elsewhere, where the delicate tracery of the finely cut pinnæ is brought out.

Moth destruction is being carried on in the liveliest manner by the school children of Malden. It is said that about one-half of all the children in town are at it, under the incentive of the 10 cents per quart which the street department pays for the captured insects. Over 500 quarts were brought in on the first forenoon of the summer vacation and the indications are that there will be plenty of pin money afloat around the firecracker, candy and ice-cream soda emporiums of Malden for some time to come.

Capt. Dave Simpson had the Horticultural Club of Boston on one of his fast tugs for an afternoon trip in the harbor on Saturday, June 23. It was a stormy day but this had no terrors for the veterans, all of whom enjoyed themselves in

the highest degree, and Capt. Simpson proved himself a model host.

Part I of the transactions of the Massachusetts Horticultural Society for 1901 has been received. It records the meetings for business, lectures and discussions from January 5, 1901 to March 30, 1901 inclusive.

Arthur H. Newman has gone on a month's vacation to Puget Sound, where he has some investments.

Visitor: Arthur Cowee, Berlin, N. Y.

Philadelphia.

OUTDOOR FLOWERS SUFFER FROM INCLEMENT WEATHER. — GREENHOUSE MATERIAL ALSO POOR.—RETAILERS HAVE DIFFICULTY IN GETTING STOCK FOR A LIGHT BUSINESS —GROWERS BUSY REPLANTING. —MEETING OF THE CLUB.—NOTES.

Violent rain storms are injuring the crop of outdoor flowers and this, together with the poor quality of the greenhouse stock, keeps the retailers hustling to get anything at all worth having with which to fill orders. It is, perhaps, useless to quote prices, as the stock varies so much in quality and the demand is so light that the figures depend mainly on the business of the day and move up and down accordingly. The best teas bring $6 per hundred, Beauties $1 to $2 per dozen, carnations $1 to $2 per hundred, sweet peas 20 cents to 35 cents per hundred, auratum lilies $6 to $10 per hundred, longiflorums $5 to $6

The growers are now busy planting their houses and from all accounts there should be no lack of Beauties the coming season, as almost without exception each grower is dropping a house or two of teas to make way for more plants of this popular variety. Perhaps if this keeps up there will be no others and instead of the "big four" there will be but one.

The July meeting of the Florists' Club on Tuesday evening was rather slimly attended. Convention matters furnished the principal topic. Definite arrangements for the trip cannot yet be announced, but it is likely a goodly delegation will go.

Mr. Strohlein, of the H. A. Dreer Company, goes abroad next week on the annual, or semi-annual, trip for novelties and to see the quality of the import orders is up to the required standard.

It seems that the spirit of the muses has deserted the Bard of Kinsgessing and now hovers near the scribe of Germantown.

Robert Craig is recuperating at Summit, N. J., at the residence of John N. May. K.

Toronto.

TRADE EXCELLENT THROUGH JUNE.—ROSES SHOW DECIDED IMPROVEMENT IN QUALITY.—UP TO WINTER GRADE.—CARNATIONS GOOD BUT NOT PLENTIFUL.

Business was good for the last week in June, weddings and commencements contributing largely to the increased activity, funeral work being only a small factor the past month. Roses, which had been deteriorating rapidly, have improved in the cool weather, so much disliked at this season. Meteors are excellent, with a nice velvety appearance, closely resembling Liberty, with long stems and good, dark green foliage. Brides and Bridesmaids are a decided improvement and mildew, to which they are so susceptible, has mostly disappeared. Kaiserins are more plentiful. Carnations have also improved, though they are not as plentiful as desired. A few Cattleya Mossiæ are occasionally seen and are quickly disposed of. Lilium album and L. roseum are on the market. Gladioli from Rossiter's are the first of the season. Some splendid varieties of late pæonias are still coming from Frank Duffort.

The Manton brothers, Thomas and George, took a day's outing in the swamps back of Aurora and secured a large number of Cypripedium spectabile plants and some fine blooms of sarracenias.

H. B. Jones, of the J. M. Gasser Company, Cleveland, was a visitor Monday and expressed surprise and pleasure at the quality of our roses.

Robert Greenlaw, of Boston, and Miss Murray, of Montreal, are visitors.

H. G. D.

Buffalo.

TRADE GOOD AT THE END OF JUNE IN SPITE OF BAD WEATHER.—GREENHOUSE MEN ALL PLEASED —NOTES OF VARIOUS PERSONAL AND TRADE DOINGS.

With weather about as disagreeable as it was possible to be, trade last week was very brisk on account of school commencements and an unusual lot of weddings. Several receptions also called for material and, altogether it was a hard time to get good stock, which consequently brought good prices, carnations 50 cents to $1 per dozen, roses $1 to $2, while Beauties sold readily at $6 per dozen retail. Some outdoor sweet peas were sent in this week from Brookins that were the finest ever seen here.

The greenhouse work this season has been very satisfactory and in my travels around last week I found Neubeck, Scott, Rehstock, Zimmerman and Anderson all looking pleased. Palmer has been busy, but not in the plant line.

Now that it is July, the retail stores should close at 6:30 p. m., excepting Saturday, and give all the help the benefit.

J. B. Wiese, of the Chippewa Market, is going to Europe, which shows good trade on the market.

Bullock & Company, who bought the Adams business, are doing a good trade from reports.

"Andy" Adams is spending the Fourth and a few days on the lake shore.

Visitors: Harry Balsley, of Detroit; Henry Wise, of East Aurora, and others.

BISON.

Columbus, O.

Too much rain is now the cry, after a fall of five and one-half inches, and it is still raining. There is great danger of failure in the aster crop where the land is not properly drained, as the fields are flooded. Our surrounding country resembles the picture of a Philippine rice field. Carnations are looking fine now but they have had quite enough water and there is danger of a washout in most of the fields if the downpour continues.

There is a lull in the cut flower trade this week. Aside from a few funeral orders there is little going on, but everyone is busy just the same, repairing, building or planting. The usual hot time was not experienced planting roses this season as the weather was cool and pleasant.

Miss Anna Hellenthal, daughter of J. R. Hellenthal, became Mrs. William Leonard on the morning of June 23, at a nuptial high mass at St. Mary's church. The groom is a popular young business man, and both are to be congratulated.

CARL.

Meetings of Florists' Clubs.

The accompanying list gives the cities in which there are active florists' clubs. Following the name of the club is the place of meeting, the day of meeting, the hour and the name and address of the secretary:

BALTIMORE, MD.—Gardeners' Club of Baltimore, Royal Arcanum building, 18 W. Saratoga street. Second and fourth Monday of each month, at 8 p. m. John J. Perry, Sec'y, Gay and Eager streets.

BOSTON, MASS.—Gardeners' and Florists' Club of Boston, Horticultural Hall. Meets second Tuesday of each month. W. E. Fischer, Sec'y, 18 Union Terrace, Jamaica Plain, Mass.

BROCKTON, MASS.—Brockton Gardeners' and Florists' Club, store of W. W. Hathaway, Times Building. First and third Tuesday of each month, at 8 p. m. W. W. Hathaway, Sec'y, Brockton, Mass.

BUFFALO, N. Y.—Buffalo Florists' Club, 481 Washington street. Second Wednesday of each month, at 8 p. m. Wm. Legg, Sec'y, 1440 Delaware avenue, Buffalo.

CHICAGO, ILL.—Chicago Florists' Club, Handel Hall, 40 Randolph street. Second and fourth Wednesday of each month, at 8 p. m. George Wienhoeber, Sec'y, 413 Elm street, Chicago.

CINCINNATI, O.—Cincinnati Florists' Society, Jabez Elliott Flower Market. Second Saturday of each month, at 8 p. m. Geo. S. Bartlett, Sec'y, 113 East Second street.

CLEVELAND, O.—Cleveland Florists' Club, Progress Hall, 244 Detroit street. Second and fourth Monday of each month, at 8 p. m. Isaac Kennedy, Sec'y, Woodcliffe, Lake avenue, Cleveland.

DENVER, COLO.—Denver Floral Club, 323 Charles Block. Second and fourth Friday of each month, at 8 p. m. F. T. Rushmore, Sec'y, 2316 Franklin street.

DES MOINES, IA.—Des Moines Florists' Club, at various florists' establishments. Last Monday of each month, at 8 p. m. J. T. D. Fulmer, Sec'y, 702 Walnut street, Des Moines.

DETROIT, MICH.—Detroit Florists' Club, Cowie Building, Farran and Gratiot avenue. First and third Wednesday of each month at 8 p. m. J. F. Sullivan, Sec'y, 214 Woodward avenue.

HARTFORD, CONN.—Hartford Florists' Club. Second and fourth Tuesday of each month at 8 p. m. J. F. Coombs, Sec'y, 688 Main street.

INDIANAPOLIS, IND.—State Florists' Association of Indiana, Commercial Club rooms, Indianapolis. First Tuesday of each month, at 8 p. m. H. Junge, Sec'y, 456 E. Washington street, Indianapolis.

MILWAUKEE, WIS.—Milwaukee Florists' Bowling Club, Plankinton House. Thursday evenings at 8 p. m. C. C. Pollworth, Sec'y, 137 Oneida street.

MONTREAL, QUE.—Montreal Gardeners' and Florists' Club, Alexandria rooms, 2204 St. Catherine street. First and third Monday of each month. W. H. Horohin, Sec'y, 23 Closse street.

NEW YORK, N. Y.—New York Florists' Club, Elk's Hall, 19 West Twenty-seventh street. Second Monday of each month, at 7:30 p. m. John Young, Sec'y, 51 West Twenty-eighth street, New York

OMAHA, NEB.—Nebraska and Iowa Florists' Society, Fuller's Hall, Fourteenth and Douglas streets. Second Thursday in each month at 8 p. m. Louis Henderson, Sec'y, 1519 Farnam street, Omaha.

PHILADELPHIA, PA.—Florists' Club of Philadelphia, Horticultural Hall, Broad street above Spruce. First Tuesday of each month, at 8 p. m. Edwin Lonsdale, Sec'y, Wyndmoor, Philadelphia, Pa

PITTSBURG, PA.—Pittsburg and Allegheny Florists' and Gardeners' Club, at rooms of Pittsburg Cut Flower Co., 504 Liberty street. Second Thursday of each month, at 8 p. m. T. P. Laughans, Sec'y, 504 Liberty street, Pittsburg.

PROVIDENCE, R. I.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street, Providence. Second Thursday of each month at 8 p. m. Alexander Rennie, Sec'y, 41 Washington street, Providence.

RICHMOND, IND.—Richmond Florists' Club, Commercial Club rooms. First and third Friday of each month. H. C. Chessmann, Sec'y.

SAN FRANCISCO, CAL.—Pacific Coast Horticultural Society. First Saturday and third Monday of each month. Thos. H. Munroe, Sec'y.

ST. LOUIS, MO.—St. Louis Florists' Club, Odd Fellows Hall No 2, Ninth and Olive streets. Second Thursday of each month, at 3 p. m. Emil Schray, Sec'y, 4101 Pennsylvania avenue, St. Louis.

TORONTO, ONT.—Toronto Gardeners' and Florists' Association, St. George's Hall, Elm street. Third Tuesday of each month, at 8 p. m. W. C. Jay, Sec'y, 438 Spadina avenue.

UTICA, N. Y.—Utica Florists' Club, 183 Genesee street. First Thursday of each month at 8 p. m. J. C. Spencer, Sec'y.

WEST HOBOKEN, N. J.—North Hudson Florists' Club, store of H. C. Steinhoff, Hudson boulevard, West Hoboken. First Tuesday of each month, at 8 p. m. Geo. F. Kogge Sec'y, 616 Washington street, Hoboken.

THE AMERICAN FLORIST

SEVENTEENTH 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.

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.

cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

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-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., Chicago.

A FEW cents spent now for repairs will save dollars a year from to-day.

THE propagators of Begonia Gloire de Lorraine have been having a busy season.

OF the new chrysanthemums Eaton and Appleton are being heavily planted all over the country.

THE rose growers in many sections of the country have been overrun by thrips this spring. It has been a hard battle in the greenhouses and now the plants outdoors are suffering.

THE mailing label on your paper shows when your subscription expires; when you send your renewal note that the date changes within two weeks; it will serve as your receipt.

FRANCE proposes to make a great outdoor display at the St. Louis exposition. Her commissioner has asked for eight acres of land surrounding the French building, to be planted by the nurserymen, florists and seedsmen.

THE long continued rains have brought much injury to asters and the carnation growers are alarmed at the condition of the plants in the fields. From present indications surplus field grown plants will be good property two months hence.

Brought Many Replies.

AM. FLORIST CO.:—My advertisement of orchids in your paper brought me so many replies that I think I will sell all the plants I care to spare; another insertion would swamp me with orders.

St. Paul. R. SCHIFFMANN.

Greenhouse Building.

Grove City, Pa.—C. W. Clelland, house 28x200.

St. Paul, Minn.—Christ. Hansen, range of houses.

Dunkirk, N. Y.—Wm. Schwan, one house.

Cleveland, O.—R. Hoffman, house 20x100.

Minneapolis, Minn.—Wm. Donaldson Company, two houses 14x57. Lakewood Cemetery Association, three houses 16x100. R. Will, violet house 22x110.

North Adams, Mass.—A. J. Schmutz, one house.

South Hadley Falls, Mass.—Jos. Beach, house 22x75.

Medway, Mass.—O. T. Mason, cucumber house.

Adams, Mass.—T. D. Brown, house 16x60.

Wilson Station, Conn.—W. Bancroft, one house.

The Rainfall in June.

The rainfall in the month of June of the present year shows a marked increase over that of 1901. In many of the states the government has not collected its statistics, but there is enough at hand to show the rainfall for June throughout the United States has broken all records.

	June 1902. inches.	June 1901. inches.
Illinois	6.22	2.41
New York	6	....
Ohio	6.58	3.32
Nebraska	9	....
Missouri	6.49	1.23
Minnesota	2.49	7.21
Wisconsin	4.71	4.09
Louisiana	1.70	4.70
Indiana	7.52	4.66

Infested Palms.

ED. AM. FLORIST:—Enclosed find pieces of leaves of several palms infested with some scale or bug or what? I bought the palms and found them not clean. Water has little effect. What will have?

F. J. A.

The specimens of palm leaflets in question are badly infested with scale insects of two or three different species, and also show some indications of having been attacked by thrips, and water alone would have but little effect upon these pests. The large flat brown scale found on some of the specimens is perhaps less injurious than some of the others, and appears most frequently on the leaves of ptychosperma and phœnix, but the small white scale seems less particular in its diet and may be found upon many different species of plants. The safest method to get rid of them would be by giving the plants a careful sponging with solution of whale oil soap or fir tree oil, and the insects may be removed more readily if the plants are given a dip in the solution a short time previous to the sponging. W. H. TAPLIN.

Heating A New Range.

ED. AM. FLORIST:—I am building this season six new greenhouses, four of them in a block covering a ground space 52x80 feet, with no partitions. The north wall is six feet high, of wood, the south, east and west sides of the range nearly all glass. The other two houses, covering 26x80, are of the same character, eight feet distant from the larger structure. All are thirteen feet to the ridge. For steam heating what size of boiler will be required? How many runs of 1-inch pipe will be needed in each house for 60° in zero weather? Will a 2-inch pipe be large enough to supply the flows and returns? If the boiler is set one foot below the walks of the houses can the main and return pipes be placed under the cross walks? J. Z. H.

A twenty horse power boiler will furnish all of the steam needed for the six houses, but the care required in operating it will be less if a somewhat larger boiler, say thirty horse-power, is put in. In case it is desired at any time to increase the amount of glass, a boiler of this size would handle sixty per cent more. The inside houses can be heated with ten 1-inch pipes, but the number will need to be increased in the houses with glass in the south walls, one pipe being added for each eighteen inches of glass. It will be well to use 2½-inch pipe for the main flow pipes to each range, with 2-inch returns. The branch flow and return pipes to each house can be respectively 2-inch and 1½ inch. While a greater difference is desirable, there should be no trouble about the arrangement of return pipes proposed, if the lower end of the coils is one foot above the walks. L. R. TAFT.

Details of a Carnation House.

ED. AM. FLORIST:—In building a carnation house 28x200 I need some advice regarding the amount of drop to allow the returns. I will heat with steam with the boiler in a pit at one end of the house. How much fall should I allow the returns and flows and what is the minimum fall that I can get along with from the pipes, after the steam has made the circuit, to where it enters the boiler again. I am unable to dig a very deep pit and drain it and I do not want to use a trap if I can avoid it. Also, the house is wooden frame, with 16x24 glass, ventilators hinged at ridge and two purlins on each side. In what way would you advise me to support it? C. W. C.

If the flows and returns are of ample size to permit the free movement of the water a very slight fall, say one inch in twenty feet, will answer, but care should be taken to give an even grade to the pipes. While three or four feet are desirable, there should be no trouble if the lower end of the coils is two feet above the top of the boiler. The arrangement for supporting the roof will depend upon the location of the purlins. If so located that the sash bars are divided into three equal sections, it will be desirable to have a row of one-inch gas pipe posts under each, but if one purlin is under the headers it could be supported by means of brace posts from those under the ridge.

L. R. TAFT.

OBITUARY.

WILLIAM FABER.

William Faber, of Allegheny, Pa., died on Wednesday, June 25, after a three weeks' illness of typhoid fever. Mr. Faber was 26 years of age, a well liked and highly respected employe of W. C. Beckert, the seedsman. He is survived by a young wife.

GEORGE CARP.

George Carp, Sr., died at Ashland, Ky., June 21, interment being at Woodland Cemetery, Ironton, O. Mr. Carp was born at Burnham, England, March 7, 1830, and for the past ten years had been associated with his son, William H. Carp, in the floral business at Ashland.

WM. G. BERTERMANN.

William G. Bertermann, of Indianapolis, died at Sacramento, Cal., on Sunday, June 29, of pulmonary troubles, from which he last December sought surcease in the mild climate of New Mexico, going thence to California. He was thought at one time to be considerably benefited by the change but to those of his many friends who had kept in touch with the progress of his illness his demise did not come quite unexpectedly, although its announcement was nevertheless a shock. Mr. Bertermann was born March 2, 1857, at Wilhelmshohe, near Cassel, Germany, where his father was overseer of the estate of the German Emperor where the third Napoleon was held a prisoner in 1871. William Bertermann came to America in 1872, preceding his brother, John, by some four years. Columbus, O., was the first home selected by William but when his brother joined him they removed to Indianapolis, finding employ-

ment in the florist business. It was in 1879 that the two set up for themselves, buying the store of their employer, Gustav Lange, and at the same time building three small greenhouses, the first in Indianapolis to be heated by steam. The start was at 74 E. Washington street but after a few years the plant was removed to 241 Massachusetts avenue, its present location. The business passed through many vicissitudes but forged to the front and is now a model of its kind, with 25,000 feet of glass and a large, high-class retail trade. William G. Bertermann was a bachelor; he made his home with a sister, Mrs. Gertrude Pfefferman. In health he was an active worker in many public affairs and in secret, fraternal and trade societies. He was president of the American Carnation Society last year, but absence because of illness prevented his presiding at the Indianapolis convention. He was also a member of the Society of American Florists, of the American Rose Society and the Florists' Association of Indiana. Mr. Bertermann was a believer in the value of exhibitions to the florists' trade and was always a worker in the Indianapolis shows. He was a geat traveler and had visited most of the important horticultural establishments in this country and Europe. His remains will be brought home from Sacramento for interment.

W. H. HALL.

W. H. Hall, who for the past fifteen years has been with W. Atlee Burpee & Company, Philadelphia, died suddenly from heart failure on Monday night, June 30, at his home in Tioga, Pa. Mr. Hall was in his forty-fifth year and had been connected with the seed business for more than twenty-five years. Ten years of this time he spent with the house of D. Landreth & Sons, having been employed at first by them at Bloomsdale and later traveling on the road through the south for them. In 1887 he joined the forces of W. Atlee Burpee & Company, with whom he has been ever since. At the time of his death he occupied a very responsible position as head of the freight and express order department. Mr. Hall was a widower and leaves one child.

CROMWALL, CONN.—On Wednesday, June 25, Miss Ruth P. Coe was married to Frank A. Pierson, elder son of A. N. Pierson. The ceremony was performed at the home of the bride's sister, Mrs. Russell A. Frisbie. Mr. and Mrs. Pierson are away for an extended trip to Maine, after which they will be at home in Cromwell.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (six words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1902 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED — By a thoroughly experienced young lady, who is a good designer, saleslady and book-keeper. Address G L. care American Florist.

SITUATION WANTED—By young man in commercial place, American, married, 5 years' experience. At references. Address HUSTLER, care American Florist.

SITUATION WANTED—As assistant decorator and designer by young man 21 years of age, not afraid of work. Seven years experience in retail stores; best references. Address K D, care American Florist.

SITUATION WANTED—As helper in rose section—Beauties preferred—with opportunity of taking section in time. Apply at once to D, care American Florist, Chicago.

SITUATION WANTED—By July 15th, as working foreman, by first-class florist and landscape gardener. Commercial or private place. Married. Good worker. Address FLORIST, 2007 Fillmore St., Chicago, Ill.

SITUATION WANTED—As foreman by thoroughly practical florist. Good decorator, designer, etc. Grower of No. 1 roses, carnations and 'mums. First-class commercial or private position. Good wages expected. Address G. FOREMAN, care P. O., Canton, O.

WANTED—Two good carnation growers near Chicago. Address C C, care Am. Florist.

WANTED—Married man, good gardener and greenhouse man for country place. MRS. P. R. KING, Delavan, Wis.

WANTED—Rose grower to take charge of section; steady position to right party. J. F. WILCOX, Council Bluffs, Iowa.

WANTED—Greenhouse men; steady work; will pay good wages. With or without board. Address R, care American Florist.

WANTED—Two young men to work in greenhouses—Roses and carnations. State wages wanted with board. Address COLE BROS., Box 577, Peoria, Ill.

WANTED—Young man to learn the greenhouse business, growing of roses and carnations. State age. Apply to JOHN L. WYLAND, De Haven, Pa.

WANTED—Rose growers and helpers; also one man that understands growing chrysanthemums. The highest wages and steady work. BASSETT & WASHBURN, Hinsdale, Ill.

WANTED—Assistant rose grower; married man; $12 per week. Also young man in carnation houses. Address, with references, GROWER, care Welch Bros., 15 Province St., Boston.

WANTED—A good florist for retail place; must be well posted on palms and ferns; wages $12 per week and room; send references. Address H. F. HALLE, 548 W. Madison St., Chicago.

WANTED—A young man with some experience in greenhouse work. State wages with room and board. Must be sober, reliable and good worker. FRED. J. KING, Ottawa, Ill.

WANTED—A good florist, in a commercial place of about 35,000 square feet of glass; principally roses; wages $10 per week. Apply with references to C. HANSEN, St. Paul, Minn.

WANTED—A young man with experience, for general greenhouse work; must be sober, reliable and a good worker. State wages wanted with room. References. Address J. A. BISSINGER, Lansing, Mich.

WANTED—A reliable married man. Must be a good worker, to grow roses, carnations and general line of plants. State age and wages, with house. HARRY DONNELLY, Rosebank, Station B, Cincinnati, O.

WANTED—A young man who understands something about orchid and fern growing. State where last employed and wages wanted, with board. Address J. M. GASSER CO., Euclid Ave., Cleveland, O.

WANTED—To lease, with prospect of buying, about 7,000 feet of glass, no stock, with good cottage and some land, near or within about one hundred miles of Boston. Write, stating details, GERMAN, care Wm. J. Stewart, 79 Milk St., Boston, Mass.

WANTED—At once a reliable florist, must be sober, honest and a good worker; one who is capable to take full charge of medium size place and grow a general collection of plants and cut flowers for retail store trade. State wages with board and send good references of recent date in first letter. Good wages and steady place to right man. FRED J. KING, 220 Madison St., Ottawa, Ill.

FOR SALE—Greenhouses 4,000 square feet of glass, ground and dwelling; on electric car line and railroad; good retail business. Good chance for a young man. Address T. care American Florist, Chicago.

FOR SALE Greenhouse of 5,000 feet of glass, land and good dwelling house of 11 rooms and all out-buildings; doing a good business; within 10 miles of coal mines. 7,000 Carnations in stock. Established 30 years. Carnations are my specialty; have yearly contract with a Columbus firm for all I raise and 3 times as many more. Going out of business on account of old age. Will sell from 1 to 10 acres. Remember I am situated in the carnation belt of Ohio. Call on or address HENRY GOMPF, Box 284, LOGAN, OHIO.

Ice Boxes For Sale

We have a real cherry, hard wood ice box for sale, in good condition. Size 5 ft. 3 in. wide and 8 feet high. Also a pine ice box 6½ feet high and 11½ feet long.

C. A. DARDS,
341 MADISON AVE. NEW YORK CITY.

FOR SALE.

2,000 feet of 1¼-in. Pipe at 4c per foot.
30 Globe Valves, 1¼-in., at 75c each.
4 Globe Valves, 2-in., at $1.50 each.
2 Angle Valves, 2½-in., iron body, at $2 each.
1 Angle Valve, 4-in., iron body, $5.00.
1 Globe Valve, 4-in., iron body, $ .00.
All in first-class condition.

J. F. AMMANN, Edwardsville, Ill.

FOR SALE—GREENHOUSE.

5,000 feet of glass, one acre of land, good dwelling house; doing good business in city of 3,000 population, with entire trade of seven neighboring towns; eight hours from Chicago on main division of C. G. W. and of C. M. & St. P. Rys., in northeastern Iowa. Fine opening for market garden in connection with greenhouse. Address

FLORIST, New Hampton, Iowa.

New Glass

FOR SALE.

We have 150 boxes glass, B. D. S. 16x18, more than we shall need for our own building, which we can offer at **$4.00 per Box.**

J. A. BUDLONG,
37-39 Randolph St. CHICAGO, ILL.

BY E. CURTIS.

LIQUIDATION SALE

Of the entire stock and fixtures of the

Eichling Seed and Nursery

Co., Ltd., New Orleans, La.,

For the purpose of closing out the business of said company, at the Nursery, Baronne and Sixth Sts.,

Wednesday, July 9, at 11 A. M.

GREENHOUSES, with hot water heater, palm shed, thousands of rare and beautiful palms, ferns and other plants; flower pots of all sizes; hotbed frames and sash; one mule and spring wagon, and a number of other articles belonging to the nursery business.

At the Store, 129 Camp Street, Thursday, July 10, at 11 A. M.

A FULL LINE of garden, field and flower seeds; garden implements, seed bags, artificial floral designs, metal designs, wire frames, glass cases, seed bins and drawers; large Diebold safe, typewriter, letter files, copy press, desks, refrigerator, counters, scales, etc. Terms—Cash. No reserve.

E. CURTIS, Auctioneer.

If you want to get the want you want to get, you want to get your want ad into the

AMERICAN FLORIST

Try it now.

Every advertisement represents a genuine want. It pays to answer them.

Minneapolis.

JOTTINGS OF A JOURNEY AMONG GROWERS AND RETAILERS.—SIGNS OF GOOD BUSINESS EVERYWHERE.—TRADE OPTIMISTIC AND BETTERMENTS IN ORDER.—NEW GLASS FOR NEXT YEAR.—PERSONAL DOINGS.

James Souden, manager for the Wm. Donaldson Company, has worked up a very fine retail trade. He has had great success with two-year-old roses, grafted stock as well as plants on their own roots, and will grow all he can of them in this way for next season. The teas are only slightly pruned, but the hybrids are pruned quite closely. The transplanting of the roses is pretty well advanced and Mr. Souden believes in retaining a portion of the old soil about the roots. He expects to have some cut-flower stock for the Kansas City flower show and is now planning two new houses, each 14x57 feet, for smilax and asparagus.

R. Will has had a fine crop of carnations the past season and the plants are still producing exceedingly well, although severely crippled by hail early last season. The 32,000 plants in the field are in splendid condition. Pæonias are grown here extensively, there being about 3,000 plants in good market sorts on the place at present, and it is the intention to increase the plantation extensively, the coming fall. A violet house 22x110 feet will be put up immediately and plans are under way for the erection of a range of rose houses, 60,000 feet of glass, this fall or early next year. Some fine beds of geraniums may be seen now on this place, especially General Garfield and Jean Viaud.

Northrup, King & Company will open a handsome new store this fall in the Dayton building, Nicollet avenue and Seventh street, for the wholesale and retail sale of seeds, plants, cut flowers, etc. The establishment on Hennepin avenue will be continued as heretofore.

T. Hall, of the Lakewood Cemetery, says the past season has been an unusually busy one with him. Two of the houses here will be rebuilt this summer and three new ones added, each 16x100 feet.

John Monson, of the Minneapolis Floral Company, has some fine Kaiserin roses coming on for the summer trade.

Otto Will, with several others from the Twin Cities, expects to attend the S. A. F. convention at Asheville next month.

Smoke from a small fire in the building occupied by Rice Brothers did them a slight damage June 21.

There is very little good cut flower stock now in market and prices are well maintained.

H. Barsch reports good business for the past season and stock pretty well cleaned up.

The florists of the Twin Cities will have a picnic about the middle of July.

Visitors: F. X. Kindler, St. Cloud, Minn.; Will Desmond, Anoka; M. Barker, Chicago; J. F. Marshall, Des Moines, Ia.

Springfield, Ill.

The firm of Brown & Canfield has been dissolved, Mr. Canfield retiring to build a range of greenhouses in the southwestern part of the city for cut flowers for the wholesale markets. The business will be carried on by A. C. Brown, who established it in 1884. The firm had built up a nice trade in wholesale as well as retail lines, in plants, cut flowers and seeds. Mr. Brown proposes to push things briskly during the next season.

J. B. DEAMUD,
WHOLESALE
Cut Flowers,
51 WABASH AVENUE
'Phone Central 3155. .....CHICAGO.

RICE BROTHERS
WHOLESALE FLORISTS and FLORAL SUPPLIES.
Receivers and Shippers of Fresh Cut Flowers.
Special attention to shipping orders. A complete line of Florists' needs. Send for price list. Prompt returns on all consignments.
128 N. Sixth St. MINNEAPOLIS, MINN.

Wholesale Flower Markets

MILWAUKEE, July 2.

Roses, Beauty, long, per doz.	2.50@ 3.00
" " med. "	1.00@ 1.50
" " short "	.50@ .75
" Liberty	6.00@10.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	4.00@ 6.00
" Golden Gate	4.00@ 6.00
" Perle	4.00@ 6.00
Carnations, ordinary	1.00
" fancy	2.00@ 3.00
Adiantum	.75@ 1.00
Smilax	18.00@20.00
Asparagus	65.00
Common ferns	.25

PITTSBURG, July 2.

Roses, Beauty, specials	20.00@25.00
" " extras	10.00@15.00
" " No. 1	4.00@ 6.00
" " No. 2	2.00
" Bride, Bridesmaid	1.00@ 5.00
" Meteor	.50@ 2.00
Carnations	.50@ 2.00
Lily of the valley	2.00@ 3.00
Harrisii lilies	10.00@15.00
Daisies	.25@ .50
Sweet Peas	.20@ .50
Smilax	10.00@12.50
Adiantum	.75@ 1.00
Asparagus	35.00@40.00

CINCINNATI, July 2

Roses, Beauty	10.00@20.00
" Bride	2.00@ 4.00
" Bridesmaid	2.00@ 4.00
" Meteor	2.00@ 4.00
" Perle	2.00@ 4.00
" Liberty	2.00@ 4.00
" La France	3.00@ 4.00
" Kaiserin	3.00@ 4.00
Carnations	.75@ 1.50
Lily of the valley	3.00@ 4.00
Sweet peas	.20@ .25
Asparagus	50.00
Smilax	12.50
Adiantum cuneatum	1.00
Common ferns	.15

ST. LOUIS, July 2.

Roses, Beauty, short stem	3.00@ 8.00
" " long stems	10.00@15.00
" Bride, Bridesmaid	2.00@ 5.00
" Golden Gate	2.00@ 5.00
Carnations, ordinary	.75@ 1.00
" choice	1.50@ 2.00
Hollyhocks	1.00
Ismene lilies	5.00@ 6.00
Lily of the valley	4.00
Sweet peas	.25@ .40
Smilax	12.50@15.00
Asparagus Sprengeri	1.00@ 1.50
" Plumosus	1.00@ 1.50

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Week days and every day
Sundays and holidays,
All over the country,
At home and abroad.

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PRICE LIST.

BEAUTIES.

24-inch stems, per doz.,		$2.00
20 " " "		1.50
16 " " "		1.00
12 " " "		.75
6 to 8-in, " per 100	$4.00	5.00
		Per 100
Brides	$2.00	4.00
Maids	2.00	4.00
Meteors	2.00	4.00
Gates	2.00	4.00
Carnations	1.00	1.50
Callas per doz.,	1.00	1.25
Sweet Peas	.25	.40
Valley, select	4.00	5.00
Marguerites	.50	.60
Asparagus plumosus, per stg,		.50
" Sprengeri	3.00	4.00
Galax " 1.25;		.15
Ferns per 1000, $1.00,		.15
Adiantum	.75	1.00
Smilax per doz.,	1.25	1.50

Prices subject to change without notice

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All Flowers In Season.

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Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

Wholesale Flower Markets

CHICAGO, July 3.

Roses, Beauty, 24-inch stems	2.00
" " 20 " "	1.50
" " 15 " "	1.00
" " 12 " "	.75
" " 6 to 8 " " per 100	4.00@ 5.00
" Bride, Bridesmaid	2.00@ 6.00
" Meteor	2.00@ 6.00
" Perle	2.00@ 5.00
" Golden Gate	2.00@ 5.00
Carnations	1.00@ 2.50
Lily of the valley	4.00@ 5.00
Harrisii	6.00@10.00
Callas, per doz. 1.00@1.25	
Cattleyas per doz. 6.00	
Sweet peas	.25@ .60
Asparagus, per string, .50	
Adiantum	.75@ 1.00
Common ferns, per 1000, 1.00@1.50	.15@ .20
Galax leaves, per 1000 $1.25	.15
Smilax per dozen 1.25@ 1.50	

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WHOLESALE FLORISTS

GALAX Bronze or green, 75c per 1000, in 2 00 lots or over; single 1000, $1.00. Fern, Fancy, $2.50 per 1000; Fern, Dagger, $1 50 per 1000. Leucothoe Sprays, bronze and green, assorted sizes, $1 per 100. Green sheet moss, $2.50 per bbl. bag.

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Telephone call, 597 Madison Square.

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$18.90 to Providence, R. I., and return, via Nickel Plate Road, July 7, 8 and 9. Particulars at City Ticket Office, 111 Adams St., Chicago, and Union Ticket Office Auditorium Annex. Write John Y. Calahan, General Agent, Chicago. 22

Select VALLEY IN QUANTITY.

During July and August will be open from 7.30 A. M. to 6.00 P. M. Saturdays, close at 1.00 P. M.

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Fresh Flowers
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Late Weddings
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Open for Cut Flower Sales at 6 o'clock Every Morning .....
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On July 5 to 9, inclusive, the Nickel Plate Road will sell tickets at one fare for round-trip to Portland, Me., and return, with final return limit August 15th. Particulars at City Ticket Office, 111 Adams St., Chicago.
25

Wholesale Flower Markets

BOSTON, July 1.

Roses, Beauty, extra	12.00@16.00
" " medium	5.00@10.00
" " culls	1.00@ 2.00
" Queen of Edgely	10.00@16.00
" Bride, Bridesmaid, Meteor.	1.00@ 3.00
" extra	4.00@ 8.00
Sweet peas	.15@ .40
Carnations	.50@ .75
Lily of the valley	2.00@ 4.00
Lilies	3.00@ 5.00
Stocks	.50@ 1.00
Adiantum	.75@ 1.00
Asparagus	50.00
Smilax	10.00@12.00

PHILADELPHIA, July 1.

Roses, Tea	4.00@ 6.00
" " extra	7.00@ 8.00
" Beauty, extra	20.00@25.00
" " firsts	10.00@15.00
" Queen of Edgely, extra	20.00@25.00
" " " firsts	10.00@15.00
Carnations	1.00@ 3.00
Lily of the valley	3.00@ 4.00
Asparagus	25.00@50.00
Smilax	12.50@15.00

BUFFALO, July 2.

Roses, Beauty	6.00@35.00
" Bride, Bridesmaid, Meteor	4.00@ 8.00
Carnations	1.00@ 3.00
Sweet peas	.25@ .50
Lily of the valley	3.00@ 4.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.50

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Roses, Carnations and all kinds of Seasonable Flowers in stock.
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Dealer in Florists' Supplies and Wire Designs.
Open Day and Night.

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Correspondence solicited.

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Headquarters, 56 West 26th Street,
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$1.00 per 1000, best quality; discounts on larger orders. Galax Green and Bronze, $1.00 per 100.; 5,000 to 10,000 lots, 75c per 1000. Laurel Festooning, 4c, 5c and 6c per yard. Also everything in the evergreen line, from a blade of grass to a 50 ft. tree. All orders by mail, telephone or telegraph promptly attended to.

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Of Extra Fine Quality.
WILL BE OPEN FROM 7:00 A. M. TO 6:00 P. M. AFTER JULY 1.

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Are supplying the most superb stock of SUMMER FLOWERS ever offered to New York buyers. Meteor, Liberty, Beauty, Bride and Maid Roses. Splendid Cattleyas Gigas and Mendellii.

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RECEIVER AND SHIPPER OF FRESH CUT FLOWERS. DAILY STOCK OF ALL THE CHOICEST VARIETIES FROM BEST GROWERS WHO SHIP TO NEW YORK.

ORCHIDS, ROSES, CARNATIONS, VALLEY.

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Choice Carnations. Selected Roses.

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NEW YORK CITY,

38 W. 28th Street, Cut Flower Exchange.

New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

NEW YORK, July 1.

Roses, Beauty, select	10.00@15.00
" " medium	5.00@ 8.00
" " culls	.50@ 1.00
" Bride, Bridesmaid	.50@ 6.00
" Liberty, Meteor	1.00@ 5.00
" Testout, Kaiserin, Carnot	1.00@ 5.00
Carnations	.50@ 1.00
Lily of the valley	2.00@ 4.00
Callas, Lilies	3.00@ 5.00
Sweet peas, per 100 bunches, $2.00	
Cattleyas	25.00@40.00
Smilax	8.00@10.00
Adiantum	.50
Asparagus	35.00@50.00
" Sprengeri, per doz. bun.	2.00@ 3.00

CHAS. MILLANG,

50 W. 29th St.,

NEW YORK.

When writing to any of the advertisers on this page please mention the American Florist.

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Receivers and Shippers of

FRESH FLOWERS,

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Telephone 157 Madison Square.

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REPRESENTS THE BEST GROWERS OF

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A full supply daily of the choicest New York and New Jersey

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BEST FLOWERS SHIPPED AT LOWEST NEW YORK PRICES.

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Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

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LONG DISTANCE 'PHONE AT EITHER PLACE.

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CUT FLOWERS AT WHOLESALE.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

WALTER P. STOKES, Pres.; C. N. PAGE, First Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

J. W. KILEY, recently of California, is again located in Boston.

D. I. BUSHNELL, of St. Louis, is on his way homeward from Honolulu.

ALBERT MCCULLOUGH, of Cincinnati, will spend his vacation at the seaside in the east.

ADAM CURRIE, of Currie Brothers, Milwaukee, is in California looking over the seed crops.

THE family of H. W. Wood, of Richmond, Va., will spend the summer on Long Island, N. Y.

G. B. MCVAY, of the Amzi Godden Company, Birmingham, Ala., is en route to the Pacific coast.

THE demise of W. H. Hall, of Burpee & Company, well known in the trade, is chronicled on page 849.

F. L. ZIEGLER, formerly with the Geo. A. Weaver Company, has opened a seed store at 18 Broadway, Newport, R. I.

W. ATLEE BURPEE and wife proceeded on a tour to the Pacific Coast, via Vancouver, B. C., after the Minneapolis meeting.

E. C. DUNGAN, with Wm. Henry Maule, Philadelphia, has been inspecting the California seed crops and is now on his way home.

W. C. BECKERT and Mrs. Beckert, of Allegheny, Pa, have reached home, having been recalled from their trip to Japan by the death of their son.

IT is now thought that seed peas will be about two-thirds of a crop this season and less than that if the weather continues unfavorable.

THE Schisler-Corneli Seed Company, of St. Louis, reports that business for the past few months has been the best yet experienced by that house.

DRY weather continues in the tuberose districts, with very little rain. Growers are doing all possible in the way of cultivation to keep the crops in growing condition.

J. CHARLES MCCULLOUGH, Mrs. McCullough and their daughter, of Cincinnati, who had been delayed in their trip to Europe, sailed from New York July 1, on the Kronprinz Wilhelm.

THE crops on the trial grounds at Fordhook Farms, says Mr. Burpee, are looking fine just now, especially the sweet peas, notwithstanding all that has been written about inferior California seed of the latter.

S. F. LEONARD and his son, Edward, who went north fishing, to Clearwater Lake, Annandale, Minn., after the Minneapolis meeting last week, returned home to Chicago, July 2, well laden with bass and pickerel, some of the former weighing over four pounds.

The present outlook for onion sets in the neighborhood of Chicago is from fifty-five to sixty-five per cent of a crop. The sets will probably be small and of good quality but the amount in bushels will be short. The recent rains have continued to work further injury.

IT is reported that the Department of Agriculture at Washington have supplied market gardeners with names of European seed growers and as a consequence many gardeners were sending orders for European seeds to such sources.

VISITED CHICAGO: Returning from the Minneapolis meeting: J. E. Sloan, Palo Alto, Cal; Jerome B. Rice and party, Cambridge, N. Y.; John T. Buckbee, Rockford, Ill.; G. B. McVay, Birmingham, Ala.; C. H. Walker and R. R. Ricketts, Springfield, Mo.; Walter P. Stokes, Philadelphia; W. F. Jones, Hartford, Conn.; W. W. Templin, Calla, Ohio; Burnet Landreth, Philadelphia; F. W. Bruggerhoff, New York; F. H. Battles, Rochester; C. P. Braslan, San Jose, Cal.

The Wholesale Seedsmen's League.

The members of the Wholesale Seedsmen's League met at the West Hotel, Minneapolis, June 27, for the transaction of routine business. The retiring members of the board of directors, F. W. Bruggerhof, S. F. Leonard, Jerome B. Rice and S. M. Pease were again elected. The officers are: President, F. W. Bruggerhof, New York; vice-president, S. F. Leonard, Chicago; secretary and treasurer, Burnet Landreth, Philadelphia.

WALTER P. STOKES.
(President American Seed Trade Association.)

The Western Seedsmen's Association.

At a recent meeting of the Western Seedsmen's Association, held at Omaha, Neb., all the old officers and committees were re-elected. The officers are: President, H. A. Johns, Sioux City, Ia.; secretary, Mel. L. Webster, Independence, Ia.; treasurer, J. O. Littlejohn, Independence, Ia. The society is making very favorable progress and is now represented in ten of the western states.

Seedsmen Bowlers.

A number of exciting bowling contests took place during convention week at Minneapolis. Many efforts were made to induce Albert Dickinson to come on from Chicago and meet his competitors of former years, Fred. Bartelds and A. H. Goodwin, but he failed to respond. The scores caught in one of the Minneapolis games were as follows: A. H. Goodwin, 123; A. T. Ferrell, 124; A. J. Brown, 134; F. Bartelds, 173.

Walter P. Stokes.

Walter P. Stokes, the president elect of the American Seed Trade Association, is one of the most energetic and progressive men in the business. He is not one of those who believe that any employe around the office can get up the catalogues. In his opinion no one can make these properly but the man who has every detail of the business at his fingers' ends and he says that it is next to impossible to get a photographer to take good pictures for catalogue purposes. Mr. Stokes is a member of the firm of Johnson & Stokes, of Philadelphia, of which city he is a native, having been born there in 1856. On first going into business he engaged in the wholesale and retail grocery trade. Here he came in contact with a number of market gardeners who called on him frequently to fill orders for certain special strains of seeds, and thus he came into occasional consultation with H. W. Johnson, who was then manager for the late C. B. Rogers, one of the pioneers in the Philadelphia seed trade. This was about 1880 and two years later the relations and transactions of the two men were such that it was considered expedient to engage in the seed business exclusively on a partnership basis. The first start of the firm was accordingly made at 1114 Market street. This building having been razed for improvements, the concern moved to 219 Market street in 1888, where in a few years the business developed to such an extent that the adjoining store was acquired, making a double front, five-story building running back 250 feet to the street in the rear. The business of Johnson & Stokes has continued to prosper notwithstanding that their heaviest customers include many of the most critical and exacting New Jersey market gardeners.

St. Louis.

TRADE FALLS OFF WITH THE ADVENT OF JULY.—STOCK FAIRLY PLENTIFUL AND OF IMPROVED QUALITY.—VARIOUS NOTES OF LOCAL INTEREST.

The market is slightly changed from last week in that there is more stock and of slightly better grade, although there is still a shortage in white, owing to the call for funeral material. There has been a decided falling off in trade since Sunday but up to that time stock was pretty well cleared out every day. The cool and rainy weather of the last week has brought the sweet peas along in large quantities and some are very good, but the the best bring only 25 cents a hundred. Some very good Liberty, Golden Gate and Bridesmaid roses are coming in and bring up to $5 and $6 per hundred. Carnations can be had in large numbers at from $1 to $2 per hundred. Eldorado, Bradt, Morning Glory, Hill and White Cloud are the best.

The picnic of the St. Louis Florists' Club will be held at Priester's grove on Thursday, July 24, and all in the trade are cordially invited.

Mrs. Ayers is having new wagons made to take the place of those destroyed by fire a couple of weeks ago

Theo. Faller is building an addition to his place. His stock is looking very fine.

Retail trade in the West End is holding up nicely. R. J. M.

VAUGHAN'S PANSIES.

Our Pansies, Cannas and Roses received gold medals at the Omaha Exposition in 1898 and the Pan-American Exposition in 1901.

VAUGHAN'S "INTERNATIONAL"

Received the only reward for Mixed Pansies at the World's Fair. It is to-day better and more complete than ever. It contains the cream of the stock of 10 Pansy specialists. There is no better mixture in existence, as all the florists who saw or used it can tell you. Price per oz., $10.00; ½ oz., $5.00; ¼ oz., $1.50; trade pkt., 50c.

VAUGHAN'S "GIANT MIXTURE."

This mixture is specially made by us from all the separate colors of Giant Trimardeau, the Giant Buguot and Cassier and several special strains which cannot be had any other way. If your trade demands large flowers there is no better mixture. Price, per ¼ lb., $14.00; oz., $4; ⅛ oz., 60c; trade pkt., 25c.

VAUGHAN'S PREMIUM PANSIES MIXED.

Embraces all the varieties of the Fancy German Sorts. We have sold this mixture for the past fifteen years and it has given general satisfaction. Per pkt., 25c; ⅛ oz., 80c; ½ oz., $3.00; oz., $5.50.

IMPROVED GERMAN MIXTURE.

This is a mixture of three strains from different German growers, and is made up mostly of separate colors, with a sufficiently large percentage of white and yellow. Per large pkt., 25c; ¼ oz., 40c; ¼ oz., 60c; oz., $2.00.

MASTERPIECE—NEW GIANT CURLED.

This strain comes nearer to "Double Pansies" than anything ever introduced under that name. In reality the number of petals is the same as that in other Pansy flowers, but they are crimped and curled in such a fashion that the flowers appear double. The flowers are of enormous size, often three inches across, and the color variations and combinations are odd and striking. Pkt. 50c; ⅛ oz. $1.00.

Send for our Mid-Summer Price List for Pansy Seed in separate colors and complete list of Hardy Perennials.

Vaughan's International Chinese Primrose Mixture

Unquestionably the best mixture of Chinese Primroses. It contains the largest variety of the best selling colors. Flowers large, beautifully fringed, borne in large clusters well above the rich green leaves. Pkt. (250 seeds) 50c; 5 pkts. (1250 seeds) $2.00.

CHINESE PRIMULA, Chiswick red; Alba Magnifica, white, blue, pink, striped. Each, per pkt. of 250 seeds, 50c; 1000 seeds, $1.75.

DOUBLE CHINESE PRIMULA, white, pink, red or mixed, per pkt. 50c.

CINERARIA VAUGHAN'S COLUMBIAN MIXTURE. A mixture of the best English and German strains, unsurpassed. Pkt. (1000 seeds) 50c; 3 pkts. $1.25.

CALCEOLARIA HYBRIDA, choicest mixture, pkt. 50c.

10 PER CENT discount on flower seed orders amounting to $2 and over for **Cash with order.**

14 Barclay Street, NEW YORK. **Vaughan's Seed Store,** 84-86 Randolph St., CHICAGO.

ROSE PLANTS

CHEAP TO CLOSE OUT.

Nothing but good stock sent.

Am. Beauties, 2-inch, $5.00 per 100; $40.00 per 1000.
Bridesmaids, 2-inch, $2.50 per 100; $20.00 per 1000.
Meteors, 2-inch, $2.50 per 100; $20.00 per 1000.

J. A. BUDLONG,

37-39 Randolph St. CHICAGO.

100,000 SMILAX.

Strong plants from 2½-in. pots, ready for planting, $1.25 per 100; $10.00 per 1000; $45.00 per 5000.

The W. T. Buckley Plant Co., Springfield, Ill.

BEGONIA GLOIRE DE LORRAINE,

Begonia Light Pink Lorraine,

For June and Later Delivery,
$15.00 per 100; $140.00 per 1000.

Edwin Lonsdale, Wyndmoor, near Chestnut Hill, Pa.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns

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TO a successful wholesale business is an up-to-date, accurate, complete Trade Directory. Such a book, 418 pages, containing the name and address of every florist, nurseryman and seedsman in America, new list of private gardeners and horticultural supply concerns and much other information will be mailed from this office on receipt of $2.

AMERICAN FLORIST CO.
324 Dearborn St., CHICAGO, ILL.

ROOTED CUTTINGS

Estelle, $5.00; Lawson, $4.00; Marquis and Elm City, $2.00; Crocker and Lord, $1.00 per 100. Other varieties on application.

DANA R. HERRON, OLEAN, N. Y.

Carnations, Geraniums Cannas, Etc.

Prices quoted upon application.

The Cottage Gardens, Queens, L. I.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

CHAS. A. ILGENFRITZ, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y. Twenty-eighth annual convention, Detroit, Mich., June, 1903.

FOSTER & GRIFFITH, the new firm of nurserymen at Fredonia, N. Y., report their first season a good one.

JONES BROS. & COMPANY, of Hobart, O. T., have been granted a charter to conduct a general nursery business. The capital stock is $25,000.

THE 275 members of the North Madison County, Indiana, Horticultural Society will each plant catalpas to supply the need for fence posts which is in sight.

SHIPMENTS of apples from Portland, Oregon, September 28, 1901, reached Niuchwang, China, November 10. The fruit was in boxes 10x11x22 inches. The percentage of loss was: Red Russian, 75; Jonathan, 50; Spitzenberg, 10; Ben Davis, 2.

AT the recent Pittsburg meeting of the entomological section of the American Association for the Advancement of Science, in discussing San Jose scale remedies, it was said that the lime, salt and sulphur wash has been found generally to be the most satisfactory.

THE Kingdom of Saxony has one of the best regulated systems of forestry in the world. The country is divided into twelve principal forest districts. The total value of forests is $79,538,399, the income, as given in the latest statistics, $3,246,976 per annum, at an expense of $1,005,364

CARL SONDEREGGER, of Beatrice, Neb., is enthusiastic over the outlook for fruit and fruit trees. His advertising in general has given good returns, but on being asked regarding the paying qualities of the German farm papers on his list, he said that the returns from them had been surprisingly large. He is already preparing for increased business next spring. He is planning to visit Switzerland, the land of his birth, this summer.

SUIT has been entered in the U. S. Circuit Court, at Pittsburg, by the Oregon Nursery Company, of Salem, Ore., against Effie L. Kemp, trading as the Village Nurseries Company, of Harnedsville, Pa. It is an action to recover $7,817 75 damages for an alleged breach of contract. It seems that the Village Nurseries Company contracted to furnish the Oregon Nursery Company with 48,000 peach trees free from insect pests and disease. It is claimed that 46,785 trees were shipped from Confluence, Pa., to Salem and that the state inspector of Oregon pronounced them diseased and ordered them destroyed.

Fruit Raising in Japan.

The Japanese government is fostering the hitherto little practiced industry of fruit growing, and has introduced peaches, pears and grapes from Europe and America. The soil and climate are well adapted to them, so that their production commercially is already a success, but of the fruits wholly unknown in Japan until introduced from abroad, the apple has proved most popular. It has become a chief product of some districts in the Hokkaido, or northern islands. The fruit is of fine appearance and excellent flavor, and the trees yield a profit very encouraging to the cultivator, so that the plantings are being rapidly increased.

Cleveland.

NEW RECORD FOR RAINFALL FOR JUNE — WET WEATHER INTERFERES WITH WORK OF ROSE GROWERS.—TRADE ON THE DOWN GRADE.—SOME GOOD STOCK.—VARIOUS NOTES.

June in this locality, proved to be the month of rain, as well as roses. Twenty-three days out of the thirty it rained. That is a new record for the Forest City. With one or two exceptions the rose growers will be from a month to six weeks behind time this year, all owing to their inability to get soil dry enough to cart into the houses. Carnations are beginning to suffer from the excessive moisture. The usual summer dullness is with us. Except funeral work there is nothing doing. Stock is plentiful; carnations are holding out fine. Testout, Kaiserin, American Beauty and Meteor, grown for summer work, are about the only good stock in the rose line to be had. Bride and Bridesmaid are off. Painesville nurserymen are sending in some grand Japanese irises. Lilium candidum is grown quite extensively in this vicinity by truckers, who dispose of them to the retail florists, and for funeral work they are quite acceptable. This week will wind up the lily of the valley for a couple of months. Some very fine stock has been coming into market lately.

Park Superintendent Kegg was a heavy loser at his own establishment during the recent severe hailstorm.

The boys are beginning to talk Asheville. Nothing definite is known as to the number going.

Another hailstorm struck us this week but fortunately without doing any serious damage.

John Merkel, of Mentor, is adding another house 20x120. ECHO.

Pittsburg.

UNFAVORABLE WEATHER PUTS AN END TO THE GOOD BUSINESS OF EARLY JUNE.—STOCK IMPROVES UNDER THE INFLUENCE OF COOL TEMPERATURES.—PERSONAL DOINGS.

For the first twenty days of June the business situation was exceedingly active although the deteriorated condition of the rose stock was an impediment. From the period stated to the end of the month the weather underwent a complete change, becoming unseasonable in the extreme. Rain has been falling almost continuously and in some sections the temperature has been as low as 49°, so the lapse of trade for the last ten days is chargeable mainly to the April weather of late June. Roses are improving in quality. Some very fine Liberty, Bridesmaid and Kaiserin are to be had. Beauties are scarce and not so good. Bon Silene and Perle are also fair. Carnations are of a very high standard and demand for them is good. Lily of the valley is good but the supply is short.

J. B. Ferguson sold out his bedding stock much earlier than he thought possible and had to buy to fill orders. He now has 10,000 feet of glass and expects to add 2,000 feet more this fall.

Two consignments of cactus are now en route for the new cacti houses in Schenley Park. One consignment comes from Arizona and the other from southern Mexico.

The growers in this vicinity have their chrysanthemums planted and expect big results this fall.

A. M. Murdoch is displaying some specimen gladioli. They are the first of the season. E. L. M.

DUNKIRK, N. Y.—Wm. Schwan has had a good season and is planning to add another greenhouse to his range of three.

OSKALOOSA, IA.—The wet weather is delaying work on the Kemble greenhouses, which are being rebuilt. The ground level is being raised several feet, making considerable filling necessary.

Import Freight Agents Delaware, Lackawanna & Western Railroad Co. at New York, N. Y

ENERGY. ECONOMY. DISPATCH.

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Growers of HARDY AND ORNAMENTAL NURSERY STOCK in large quantities

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P. J. VAN HEININGEN, 136 Water Street.

Send for our wholesale price list.

LAUREL HILL Nurseries, F. BRUNTON Manager.

Importers and growers of Choice Hardy Perennials. Native Trees, Shrubs, Specimen Evergreens. We grow large quantities of Iris, Paeonias, Tritomas, Phlox, Delphiniums; stock is perfectly hardy, true to name. Send for Special Catalogue of New Hardy Alpine Iris, now in the press. STOCKBRIDGE, MASS., U. S. A.

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Oudenbosch, Holland.

ORNAMENTAL AND FOREST TREES A SPECIALTY.

Conifers, Evergreens, Hollies, Etc.

Prices on Application.

Park Architects and Dealers

will find whatever they want in the

Holland Nurseries, De Bilt near Utrecht

HOLLAND.

SPECIALTIES ARE: Conifers. Evergreens, Hardy Shrubs, Lilacs, Ornamental Trees, Fruit Trees in different forms, Azaleas, Rhododendron Ponticum and Hybridum.

Please send list of your wants and write for general catalogue. We will make you special offers. Write to

GROENEWEGEN & ZOON,

De Bilt, near Utrecht, Holland.

All The Best CARNATIONS

Orders booked now for fall delivery.

SEND FOR PRICES.

Rooted cuttings and young plants all out.

GEO. HANCOCK & SON,

GRAND HAVEN, MICH.

THE NEW..... NEPHROLEPIS FERN

Anna Foster

A SPORT FROM THE BOSTON FERN.

Certificates of merit from the Boston Flower Growers' Association, March 8; Mass. Horticultural Society, March 19; Penn. Horticultural Society, May 20, 1902. As good a house plant as the Boston and far more beautiful and graceful. There is no more beautiful fern for the trade than this. The Fronds will be as valuable for cut purposes as the Farleyense and much more prolific.

Description—Origin: Found by Mr. Foster Nov. 1900. A Sport of the Boston Fern

Principal Characteristic—Original type of Frond, each Pinna unwinding as in main Frond, making a miniature Frond itself, unwinding indefinitely.

Sturdiness of Growth—As easily grown as its parent the Boston; as free in producing Plants, as good keeping qualities in Dwelling.

Beauty and Gracefulness—Much finer foliage than its Parent. Quicker in making length of Frond.

Prices—Small plants, 3 to 4 Fronds, per 100, $25, 50 at 100 rates; per dozen, $5, 6 at dozen rates; each, $1 00. Larger lots at reduction on above prices on application. This will be put out in September. Orders booked now and delivery in rotation on receipt of order.

In Pots—Delivery after September 20:

6-inch, each $3.00.	9-inch, each, $ 0.00.
7-inch, each, 5 00	10-inch, each, 15.00.
8 inch, each, 8.00.	12-inch, each, 25.00.

9 in., 10 in. and 12-in., Specimen Plants.

L. H. FOSTER,
45 King St., Dorchester, Mass.

ESTABLISHED 1802

THORBURN'S SEEDS

CYCAS REVOLUTA STEMS.

We have just received a large shipment in assorted sizes from 3 to 12 pounds (most of them 8 or 10 pounds) which we offer at 10c per pound. Special price on large quantities.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

KENNICOTT BROS. CO.

Wholesale Commission Florists

and Dealers in All Kinds of **Florists' Supplies.**

42 and 44 East Randolph St., Chicago.

GARDENING

This is the paper to recommend to your customers, the leading horticultural journal in America for amateurs ....

$2.00 Per Year. **Sample Copies Free.**
Liberal terms to florists who take subscriptions.

THE GARDENING CO. MONON BUILDING, Chicago, Ill., U.S.A.

RUPP XXX SEEDS.

CHINESE PRIMROSE. Finest grown, large flowering, fringed, single and double, 15 vars., mixed 500 seeds, $1.00; half pkt., 50c. Have also the 15 vars. separate.
CINERARIA. Finest, large flowering, dwarf varieties, mixed, 1000 seeds, 50c.
DAISIES. Finest Double Giant, pure white and rose, mixed or separate, 1,000 seeds, 25c.

PANSY, FINEST GIANTS.

The best large flowering varieties in choicest mixture; critically selected, 5,000 seeds, $1.00; half pkt., 50c. CASH. A pkt. of new everblooming Forget-me-not "Constance" added to every order.

JOHN F. RUPP, Shiremanstown, Pa. "The Home of Primroses."

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 79 Milk St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Minneapolis.

In an afternoon contest at the Koppel & Carter bowling alleys, June 30, the following scores were made:

Player	1st	2d
O. J. Olson, St. Paul	116	173
C. F. Rice, Minneapolis	117	91
F. X. Kindler, St. Cloud, Minn	84	101
M. Barker, Chicago	73	78

At Philadelphia.

The interest in the national contest continues to grow as the time draws nigh and the trial matches are getting to be quite strenuous affairs. The third contest was rolled on the Columbia alleys: which are elegant in appointments, although they do not have the finish of the up-to-date Burnswick-Balke. The surfaces appeared easy but the scores were not good. The point winners were: Anderson, 468; Dunlap, 455: Stanley, 440; Moss, 435; Habermehl, 432; Watson, 423; Westcott, 416; Adelberger, 416. The complete score follows:

Player	1st	2d	3d	T'l
Starkey	153	132	155	440
Moss	143	128	164	435
Robinson	146	135	123	4 4
Polites	135	96	148	379
Habermehl	138	158	136	432
Kift	134	138	120	392
Craig	112	163	109	384
Gibson	119	153	132	404
Connor	172	129	113	414
Anderson	176	137	155	468
Adelberger	137	132	147	416
Westcott	135	127	154	416
Dunlap	163	125	167	455
Watson	116	148	159	423

The following are the averages of games bowled on the home alleys for the month of June, where many a spirited contest takes place:

Player	Av	Player	Av
Moss	174	Allen	154
Connor	168	Westcott	152
Kuestner	167	Archer	151
Dunham	165	Gibson	149
Bonsall	163	Holmes	147
Mooney	162	Adelberger	146
Kift	159	Harris	145
Polites	159	Anderson	145
Elmerman	158	Watson	136
Fletcher	156	Eickmeyer	125
Kirk	156	Leaver	122

K.

Cricket Among Philadelphia Gardeners.

The cricket season among the Philadelphia gardeners opened on Saturday, June 28, when John McCleary, with his team from Germantown, crossed bats with the gardeners principally from the main line section captained by John Thatcher, on the lawn of E Le Boutilier, Wynnewood, Pa. It was a two-inning contest and everyone played with spirit and determination. The Main Line team eventually won by thirteen runs, the light in the latter part of the second innings being bad for the losing side or it might have been still closer. The batting and fielding of Le Boutilier and the bowling of Blackman, for the winning side, the all-around playing of John McCleary, Jr., and Bovington, on the losing side, were the features of the contest and each won well merited applause. Edward Campbell and E. Le Boutiller were umpires and Wm. Fowler scorer.

It may be pertinent to remark the democratic spirit shown by Mr. Le Boutilier in allowing the use of his beautiful lawn surrounded by real examples of good gardening in beds, trees, lily ponds, etc. These features were enjoyed and appreciated by all and inspired each to act his part in a manner becoming such a privilege. The score follows:

THATCHER'S ELEVEN.

First innings.		Second innings.	
F. Le Boutilier, hit wkt	24	Not out	6
David Rust, b. McCleary	4	b. Bovington	7
J. Blackman, run out	0	c. McCleary	8
J. Thatcher, b. McCleary	0	b. Robertson	1
F. Godley, b. Robertson	4	b. McCleary	0
H. Sharswood, c. McCleary	7	c. Bovington	1
J. Dodds, b. McCleary	0	b. Bovington	5
H. Roberts, c. McCleary	0	c. McCleary	0
F. Canning, c. Neely	3	c. Bovington	6
J. Cullen, b. Bovington	1	b. Robertson	9
T. Tordoff, not out	1	b McCleary	8
Extras	1	Extras	0
Total	45	Total	51

M'CLEARY'S ELEVEN.

First innings.		Second innings.	
J. McCleary, b. LeBoutilier	0	c. Godley	1
W. Robertson c. Blackman	0	b. Blackman	5
J. McCleary, Jr. b. "	2	c. Le Boutilier	16
D. Atkins, c. Sharswood	1	c. Roberts	6
W. McCleary, c. Godley	8	c. Le Boutilier	9
H. Bovington, c. Sharsw'd	19	b. Blackman	1
J. Thompson, c. LeBoutilier	6	b. Godley	0
W. Reed, c. Sharswood	0	Not out	2
M. Neely, c. Le Boutilier	0	Run out	0
F. McCord, c. Le Boutilier	0	b. Godley	1
D. Bletcher, not out	0	c. Le Boutilier	0
Extras	4	Extras	2
Total	40	Total	43

FRANCIS CANNING.

Base Ball at Natick.

The Waban Rose Company base ball nine having done considerable challenging recently, their defiance was answered last Saturday by a nine made up from the Boston Flower Market and retail stores in the city, who went out to Natick and won by a score of 26 to 18. The winning team was made up as follows: Hawkes, c; Norton, p; Nicholson, 1st b; Charnock, 2d b; Evans, 3d b; Lee, ss; Pierce, lf; Beck, cf; Tailby, rf. Mr. Montgomery extended generous hospitality in the line of refreshments and all the participants had a jolly time. Welch Brothers' employes are preparing to challenge the winners.

New Orleans.

HORTICULTURAL SOCIETY CELEBRATES SEVENTEENTH ANNIVERSARY.—A TRIP TO THE GULF.—EICHLING BUSINESS UNDERGOES A CHANGE.

The seventeenth anniversary of the New Orleans Horticultural Society was celebrated by a trip to Grand Isle. By taking a route different from the usual one we had the pleasure of passing our new large floating dock, where the largest men of war can find ample accommodation; also Port Chalmette, long to be remembered in connection with the South African war. Passing in sight of some of the largest rice and sugar plantations of Louisiana, we left the Mississippi fifty miles below New Orleans, reaching the Gulf through canals and lakes. Coming back by the same old way we passed the Bay of Barataria, celebrated for the quality of its oysters. The inhabitants of the island number about 500. The majority are cultivators who take advantage of the peculiar position of the place. The soil is not rich, still a few vegetables can be raised better and earlier than in New Orleans. During the past season 20,000 crates of cucumbers and about 200,000 cauliflowers were shipped from the island. The trip was all that could be desired but we regret that only half of the society was present. Out of thirty strong, the members aboard were: J. A. Newsham, M. M. de Lapouyade, John Eblen, D. Newsham, T. A. Chopin, M. Huber, John St. Mard, E. Eble, C. R. Panter, F. B. Fassell, Paul Abele, Otto Abele, J. Alost, E. Valdejo, J. A. Shalk and R. Eichling, also a number of invited guests.

The Eichling Seed and Nursery Company is closing up its business. The greenhouses, stock and so forth will be sold at auction July 9 and the seed stock, fixtures and so forth on the following day. C. W. Eichling will continue the business on his own account at the old stand, 129 Champ street.

M. M. L.

ASHEVILLE,
NORTH CAROLINA.

'The Land of the Sky.'

The eighteenth annual meeting American Florists will be held at Asheville, August 19th to 22d, 1902.

Low rates have been made via Queen & Crescent Route and Southern Railway. Special train, composed of Pullman sleepers, will leave Cincinnati, Monday, August 18th, 2:00 p. m., via Queen & Crescent Route, and run through to Asheville via Southern Railway, arriving at Asheville next morning 7:00 o'clock.

Members will meet at Cincinnati and all go through together from there.

For sleeping car reservations and full particulars regarding rates, write

J. S. McCULLOUGH, N. W. P. A., Southern Ry.
W. A. BECKLER, N. P. A., Queen & Cresent Route.

225 DEARBORN ST. 103 ADAMS ST.
CHICAGO, ILL.

Society of American Florists National Convention,

AUGUST 19th to 22nd, 1902,

ASHEVILLE, NORTH CAROLINA.

For this convention the "Big Four Route" (C. C. C. & St. L. Ry.) will sell tickets August 16, 17 and 18, good for return leaving Asheville not later than August 25, at reduced rates from all "Big Four" stations.

Florists' Special train will leave Chicago 8:30 P. M. Sunday, August 17th, running via "Big Four" to Cincinnati, thence via the Queen & Crescent and Southern Railways. Monday forenoon will be spent in Cincinnati, sight-seeing, etc., leaving there at 2 P. M. on the Florists' Special. Every florist should make a big effort to attend this convention, the first to be held in the beautiful Southland.

For berths in sleepers from Chicago or Cincinnati, and further information call on, or address E. F. WINTERSON, President Chicago Florists' Club, 45 Wabash Avenue, or J. C. TUCKER, Gen'l Nor. Agt. "Big Four", 234 S. Clark Street, Chicago.

ANNUAL CLEARANCE SALE

To close out surplus stock we will offer the following goods at greatly reduced prices until sold. Orders filled in rotation. Order quick to insure these prices. Cash with order.

Sphagnum Moss Clean and fresh. 5 bales, $4.00; 10 bales, $7.00; 25 bales, $16.50.

Wheat Sheaves Per dozen. A, $1.40; B, $2 25; C, $3 25; D, $4.50; E, $5.50, F, $7.00; G, $9.00.

Ribbons Best florists satin, all colors, per bolt, No 5, 45c; No 9, 75c; No. 12, 95c; No. 16, $1.10; No. 22 $1.20.

Cycas Leaves Best imported stock. 24 to 48 inches, assorted, per dozen, $2.00; per 100, $15.00.

Baskets All kinds in assortments, $5.00, $10.00 and $25.00, 10 per cent less than regular prices.

Tin Foil Either 5 or 7-inch 5 pounds, 45c; 10 pounds, 80c; 25 pounds, $1.95; 100 pounds, $7.50.

White Pampas Plumes Select stock, per 100, $2.50; 1000, $20.00.

Colored Pampas Plumes Assorted colors, per 100, $5 00.

2,000 Choice CANNA PLANTS

in the following varieties. Florence Vaughan, J. Wilkinson Elliott, Mme. Crozy, Pandora (bronze foliage), Sec'y Chabanne. Will close out the above at **$4.00** per 100. Strong plants.

SPECIAL BARGAINS

in Paints, Oils, Putty, Fertilizers, Greenhouse Hose, Insecticides, and all Seasonable Supplies.

Remember we are **HEADQUARTERS** on all **CUT FLOWERS.**

McKellar & Winterson Co.

45-47-49 Wabash Ave., Chicago.

Bay Trees

1,000 SPECIMENS, PYRAMIDS and STANDARDS. We are the largest importers in America.

BOXWOOD PYRAMIDS AND STANDARDS, globe and bush.

250,000 BOXWOOD EDGING.

KENTIAS

Belmoreana and Forsteriana,

Araucarias and Aspidistras

We have just received the largest shipment of Palms ever brought to U. S. Send for catalogue and special prices. We import **BULBS** in large quantities. Send us lists for quotations. When in New York City don't fail to visit our nurseries.

BOBBINK & ATKINS,

RUTHERFORD, N. J.

Please mention the American Florist when writing.

SMILAX 2-inch, $1.00 per 100.

ROSES Brides and Maids, 2-inch, $2.00 per 100; $18.00 per 1000.

McALLISTER & COMPANY, Batavia, Ill

Please mention the American Florist when writing.

Philadelphia Palms.

JOSEPH HEACOCK,

WYNCOTE, PA. **Offers the following:**

ARECA LUTESCENS:

6-inch pot, 3 plants, 20 to 22 inches high.....75c each; $75.00 per 100
6-inch pot, 3 plants, 24 to 26 inches high.....$1.00 each; $100.00 per 100
8-inch pot, 3 plants, 30 to 36 inches high.....$3.00 each
10-inch pot, 3 plants, 42 to 45 inches high.....$5.00 each

KENTIA BELMOREANA:

6-inch pot, 6 leaves, 24 inches high.....$1.25 each; $15.00 per doz.
6-inch pot, 6 to 7 leaves, 26 to 28 inches high..... 1.50 each; 18.00 per doz.
8-inch pot, 6 to 7 leaves, 30 to 32 inches high..... 3.00 each; 36.00 per doz.
8-inch pot, 6 to 7 leaves, 36 to 40 inches high..... 4.00 each.

HOME GROWN, CLEAN AND HEALTHY.

The Sensational New Rose for 1902.

MRS. OLIVER AMES.

For description, prices, etc., see Trade List.

$100.00 IS OFFERED IN PRIZES for Cut Flowers of this Rose at Madison Square Show next fall.

Extra fine plants of the grand pillar rose **CRIMSON RAMBLER**, from $2.00 to $6.00 per dozen, according to size and age. Also all the **STANDARD** forcing roses in variety, now ready for shipment.

JOHN N. MAY, Summit, N. J.

OUR DIECTORY FOR 1902 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE TWO DOLLARS.

St. Paul.

STOCK SCARCE.—ROSES IMPROVE BUT MUCH MILDEW IS SEEN.—BEAUTIES IN DEMAND.—DOINGS OF THE GROWERS.

The scarcity of flowers is daily becoming more and more apparent, with no immediate relief in sight unless trade should droo away entirely. Stock has improved a little in quality but much of it is badly mildewed. Beauties are very frequently called for, with but little stock to meet the calls. Sweet peas are becoming more abundant and sell readily. Swanson is cutting some fine longiflorum lilies and May & Company some good lily of the valley.

The growers are busy replanting stock and repairing houses. One firm reports a cut of 91,000 roses during the season from 2 250 plants, an average of over forty per plant. Golden Gates, Brides and Bridesmaids are grown.

L. L. May & Company have one bench of early chrysanthemums planted and are replanting roses, using last year's stock. FELIX.

The annual picnic of the florists of the Twin Cities is very much discussed these days and strong efforts are being made to complete arrangements so that it may be held next week. O. J. Olson, of this city, and Otto Will and C. F. Rice, of Minneapolis, are pushing the matter and should be given every possible assistance of the local trade.

The bedding at Como Park is very attractive this season. Pansies and Crimson Rambler and Queen of the Prairie roses are exceptionally fine, but coleuses, abutilons, crotons and similar tender plants have thus far failed to start into growth owing to the cool weather.

C. Hansen is carrying over most of his roses another year, having found this system entirely satisfactory. He grows only grafted stock. Mr. Hansen has had some very fine pansies this season.

Holm & Olson are receiving some fine Queen of Edgely roses from Haugen & Swanson.

J. J. De Borious, with W. W. Seekins, of Duluth, is spending his vacation in this vicinity.

E. F. Lemke is rebuilding a portion of his Snelling avenue place.

A. S. Swanson is making good progress with his new houses.

Springfield, Mass.

TRADE SLACKENS AND STOCK IS EQUAL TO ALL DEMANDS.—RAMBLER ROSES FINE.—PARK TO HAVE GREENHOUSES.

Store men report business quiet, with plenty of cut flowers of fair quality to supply the demand. Sweet peas are coming in and are of good quality. Hardy roses have done well this spring and some very fine blooms were seen at Adams & Sons' nursery. Crimson Rambler is in its glory now and some very fine bushes are to be seen.

The Springfield park commissioners meet to-day to award the contract for building the greenhouses in Forest Park, donated by D. O. Gilmore. We hope to see some good man put in charge of same when completed. Mr. Ladd is the superintendent. A. B.

JACKSONVILLE, ILL.—Joseph Heinl is not going to add to his range this year but he will invest in a 35-foot brick tower with a big water tank on top. A boiler underneath will keep the water from freezing and the height will insure a good pressure in the houses.

DREER'S RELIABLE

Cinerarias, Primulas, Etc.

Our strains of the following important florists' flowers have been selected with the greatest care and nothing finer in quality can be had at any price:

		½ trade pkt.	Trade pkt.
CINERARIA,	Dreer's Prize Dwarf	$ .60	$1.00
"	Dreer's Prize Tall	.60	1.00
"	Dreer's Choice Dwarf		.50
"	Dreer's Choice Tall		.50
CALCEOLARIA,	large flowered tigered and spotted	.60	1.00
		100 seeds	1000 seeds
CYCLAMEN GIGANTEUM,	pure white	$ .75	$6.00
"	" rose	.75	6.00
"	" blood red	.75	6.00
"	" white with carmine eye	.75	6.00
"	" finest mixed	.60	5.00

CHINESE

FRINGED PRIMULA.

Half trade packet of any of the following, 60c.
Full trade packet of any of the following, $1 00.
A trace packet contains from 500 to 1000 seeds, according to the variety.

ALBA, pure white.
ALBA MAGNIFICA, an extra fine white.
RUBRA, dark red.
CHISWICK RED, bright scarlet.
RUBRA VIOLACEA, iridescent red
ROSY MORN, delicate pink
KERMESINA SPLENDENS, crimson.
HOLBORN BLUE, odd shade.
FERN-LEAVED, mixed colors
DREER'S CHOICEST MIXED, a grand mixture containing nothing but the best sorts.

Henry A. Dreer 714 Chestnut St. Philadelphia, Pa.

Asparagus

PLUMOSUS NANUS....

From flats, $2 50 per 100; $20.00 per 1000. 25 at 100 rates; 250 at 1000 rates, prepaid. CASH.

LOOMIS FLORAL CO.

LOOMIS, CAL.

Please mention the American Florist when writing

SPECIALTIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery,
CHRYSANTHEMUMS,
SMILAX, VIOLETS.

In Best Varieties

Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.

Please mention the American Florist when writing.

RAFFIA NATURAL COLORED

VAUGHAN'S SEED STORE,

CHICAGO and NEW YORK.

AMERICAN FLORIST ADS ALWAYS DO BUSINESS

Week days and every day, Sundays and holidays,

ALL OVER THE COUNTRY AT HOME AND ABROAD.

FUMIGATION METHODS

By PROF. W. G. JOHNSON

Formerly State Entomologist of Maryland

A Practical Treatise and timely work on cheap and effective means of destroying insect pests and other vermin in various places. This work is the outcome of practical tests made by the author, together with the experiences of others, and is one of the most important books published this season and is much needed at this time. It will be of particular interest to

FRUIT GROWERS AND NURSERYMEN owing to the widespread prevalence of the notorious San Jose scale. Hydrocyanic acid gas is the only practical remedy for the destruction of this pest and is being used more extensively than ever before by nurserymen and fruit growers. The perfection of the apparatus for fumigating young orchard trees is outlined in this work. The methods can be easily applied in orchards and nurseries for many dangerous pests at very small cost. The writer is considered the best authority on this subject in this country and has left nothing undone to make this the most complete work of the kind ever published.

GARDENERS AND FLORISTS have found that vegetables and flowers cannot be grown under glass without frequent fumigation for the destruction of insect pests. Hydrocyanic acid gas has solved this problem. The methods of procedure are fully described and every detail is given for generating and applying the gas.

MILLERS AND GRAIN DEALERS have been looking forward to the publication of this work, as hydrocyanic acid gas has been found one of the most important materials for clearing mills and warehouses of insects. The subject of carbon bisulphide for fumigating mills and elevators containing grain in storage is also thoroughly considered. To this trade the work is indispensable and transportation companies have found it of great value for the fumigation of cars, ships and other inclosures infested with vermin.

FARMERS OF THE COUNTRY have here fully described a simple, easy remedy for gophers, prairie dogs, squirrels and other animals in the ground, and rats and mice in any inclosure.

COLLEGE AND STATION WORKERS will find it an up-to-date reference work on this subject. It is complete in every respect and is the only work of the kind ever published. It is written in a popular non-technical style, profusely illustrated, handsomely bound, covering 250 pages, price, postpaid, $1.00.

AMERICAN FLORIST CO.

324 Dearborn St. CHICAGO, ILL.

SMILAX in 2x2½-inch pots.
PLUMOSUS in 2x2½-in., 3 and 4-in. pots.
SPRENGERI in 3 and 4-inch pots.
'MUMS, 20 varieties, in 2x2½-inch pots.
GERANIUMS for stock plants.
REX BEGONIA and others, in 4-inch pots.
RUBBERS in 6-inch pots.

Write GEO. A. KUHL, Pekin, Ill.

ROSE PLANTS

Well Established.

	100	1000
AM. BEAUTY, 3-in. pot plants	$8.00	$75.00
BRIDE, 3-inch pot plants	4.00	35.00
PERLE, 3-inch pot plants	4.00	35.00
GOL. GATE, 3-inch pot plants	4.00	35.00
PERLE, 2½-inch pot plants	2.50	20.00
GOL. GATE, 2½-inch pot plants	2.50	20.00

All plants sold under express condition that if not satisfactory when received they are to be returned immediately, when money will be refunded.

PETER REINBERG,

51 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing

Araucaria Excelsa.

We control the American market of this splendid pot plant. Our houses are now full of them. May importation per steamers Vaderland, Penland and Kensington. We sell plants raised from top cuttings only (no seedlings), at the lowest cash prices, as follows: Each

5 to 5½ inch pots, 3 tiers, 10 in. and above, 50c
5½-inch pots, 3 tiers, 12 in. and above, 60c to 75c
6-inch pots, 4 tiers, 15 to 18 inches and above ..... 75c to $1.00

KENTIA FORSTERIANA, 25 to 28 inches high, 5 leaves, 5½-inch pots 75c
KENTIA BELMOREANA, 20 inches and over, 5 leaves, 5½-inch pots 75c
FICUS ELASTICA, 4 inches ..... 20c to 25c
BEGONIA, tuberous rooted 5-in. pots, $1.80 per doz.

Cash with order, please. ☞ Mention if pots are wanted.

GODFREY ASCHMANN,
WHOLESALE GROWER AND IMPORTER OF POT PLANTS,
1012 Ontario Street, PHILADELPHIA, PA.

Please mention the American Florist when writing.

Fine Rose Stock

HEALTHY AND VIGOROUS.

GOLDEN GATE, 3-inch	$5.00
MAIDS, 3-inch	5.00
BRIDES, 3-inch	5.00
BEAUTIES, 3-inch	8.00
KAISERINS, 3-inch	7.00

A. C. BROWN, Springfield, Ill.

STRONG, HEALTHY

ROSE PLANTS

300 Am. Beauties, 2½-in. pots, $6 per 100.
700 BRIDE, 2½-inch pots, $2.50 per 100.
200 MAIDS, 2½-inch pots, $2.50 per 100.

☞ How much for the lot? We guarantee satisfaction or money will be refunded.

JOSEPH LABO, Florist, Joliet, Ill.

Please mention the American Florist when writing.

NICKEL PLATE EXCURSIONS,

To Portland, Me., July 5th to 9th, inclusive.

To Providence, R. I., July 7 to 9, inclusive.

ONE FARE FOR ROUND TRIP.

By depositing tickets with agent terminal line, an extension can be obtained until August 15th returning. Write John Y. Calahan, General Agent, 111 Adams St., Chicago, for particulars. 27

Cannas, Roses, Palms, Etc.

CANNAS. Strong, 3-in. pot plants, unless noted at $4.00 per 100.

Florence Vaughan, Queen Charlotte, J. D. Cabos, Egandale, Duke of Marlborough, Robert Christie, Italia, Pres. Cleveland, Sophia Buchner, Burbank, Alsace,
Martha Washington, at $6.00 per 100.

ROSES. A general assortment of Ever-blooming varieties, strong, 2-inch and 2½-inch pots, $2.50 per 100; $20.00 per 1000.

GERANIUMS. S. A. Nutt, Mme. Barney, Richelieu, La Favorite, John Doyle, Mme. Charles Molin and Beaute Poitevine, $30.00 per 1000.

	Per 100
Marquis de Castellaoe	$6.00

Set of 4 New Bruants for 60c.
Set of 8 New Doubles for $1.50.
In good assortment, our choice of varieties, $27.50 per 1000.

	Per 100
PRIMULA FORBESI	$3.00
HELIOTROPES	2.00
SELAGINELLA Emmeliana	2.00
FUCHSIAS, in good assortment of varieties, 2½-in. pots	2.50
BEGONIAS—Vernon and Vulcan	2.50
LANTANAS in variety	2.50

PALMS.

Areca Lutescens, 2½-in. pots, $30.00 per 1000	4.00
Areca Lutescens, 3-in. pots	8.00
Areca Lutescens, 4-in. pots., 3 plants in a pot	20.00
Kentia Belmoreana, 2½-in. pots	7.00
Kentia Belmoreana, 3 in. pots	15.00
Latania Borbonica, 2½-in. pots	3.00
Latania Borbonica, 3-in. pot, $40 per 1000	5.00
Pandanus Utilis, 2½-in. pots	5.00
Pandanus Utilis, 4 in. pots	15.00
Pandanus Veitchii, 4-in. pots, $6.00 per doz.	

The Storrs & Harrison Co.

PAINESVILLE, OHIO.

LILIUM HARRISII.

Indispensable for Early Forcing.

OUR own growers pack all our Bermuda Bulbs and personally grow half our supply. Careful attention to the growing crop, weeding out diseased plants, proper grading of the bulbs when dug, business-like packing and handling, all go to make success with Harrisii. We invite your orders under these conditions. Our bulbs will pay you.

Write for Prices before closing any forcing stock orders.

VAUGHAN'S SEED STORE,
14 Barclay Street, NEW YORK.
84-86 Randolph St., CHICAGO.

CYCLAMEN

Persicum Splendens Giganteum. Finest strain in the world, in four true colors, well-grown plants, from 2½-inch pots, $4.00 per 100; $35.00 per 1000. Extra selected, $5.00 per 100; $40.00 per 1000. Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

S. S. SKIDELSKY,

708 N. 16th Street,
PHILADELPHIA, PA.

CORRESPONDENCE SOLICITED.

SEEDLING FERNS Splendid strong plants, in flats. Onychium Japonicum, Pteris Tremula and Pteris Adiantoides, at $1.00 per 100 POSTPAID; $9.00 per 1000 POSTPAID. We can safely deliver them anywhere in U. S. Cash with order. Send for large catalogue of **Palms, Ferns, Decorative, Fruit-Bearing and Economic Plants and Trees** from all over the Tropics.

ROYAL-PALM NURSERIES, Oneco, Florida.

ONION SETS—NO MORE OF THEM.

Sow my Hardy White Onion.

SEND FOR CIRCULAR.

BEAULIEU, the Pansy Man, WOODHAVEN, N. Y.

Violet Plants

WELL ESTABLISHED		Per 100	1000
IMPERIAL	2¼-inch	$2.75	$25.00
MARIE LOUISE	"	2.75	25.00
FARQUHAR	"	2.75	25.00
SWANLEY WHITE	"	2.75	25.00
CAMPBELL	"	2.50	22.50

GRAND RAPIDS VIOLET CO.
GRAND RAPIDS, MICHIGAN.

Please mention the American Florist when writing.

Imperial Violets.

Fine, strong plants, from 2-inch rose pots, $2.50 per 100; $22.50 per 1000.

CENTRAL MICHIGAN NURSERY,
KALAMAZOO, MICH.

..Violet Plants..

Ready for immediate shipment.

Imperial	$2.75 per 100	$25.00 per 1000
Swanley White	2.75 per 100	25.00 per 1000
M. Louise	2.75 per 100	25.00 per 1000
Lady Campbell	2.50 per 100	22.50 per 1000

Crabb & Hunter, Grand Rapids, Mich.

Please mention the American Florist when writing.

Denver.

HEAVIEST HAILSTORM ON RECORD HITS GROWERS HARD.—MUCH GLASS BROKEN AND STOCK CUT UP.—OUTDOOR MATERIAL BADLY INJURED.—LIST OF THE LOSES.—STATE OF TRADE —DOINGS OF THOSE IN THE CRAFT.

On Friday, June 27, there started a storm which played havoc with Denver florists. It rained very heavily that night and continued till Saturday noon, when we passed through about ten minutes of hail. Some of the greenhouses escaped untouched, while a few suffered only a little damage, but those who chanced to be in the belt received an awful beating. Considerable damage was done to young stock that had just been planted and field stock was badly cut up and knocked down. Vegetable gardeners also caught it badly and strawberries, of which there are great quantities grown here, are about done up. Cabbage plants proved very tender things before the hail. Flower beds, vases, and so forth, are badly cut up, as well as shade trees. The Park Floral Company was the heaviest loser and from the look of the place they seem to have held the center of the platform during the performance. All the houses show that they were hit and considerable damage was done to young stock, besides a field of outdoor plants laid low. They estimate their loss at about 13,000 square feet of glass. The Colfax Avenue Floral Company got off more fortunately, for while their place is of equal size and situated only two blocks from the Park Floral Company plant, their loss is only half as much. The Chapman Greenhouses, in West Denver, suffered heavily and place the loss at $1,000. The above three were all insured. The Gallup Floral Company, although the place is small, got it about as hard as any. The place is right in the business part of town and presents a sorry appearance, about half the glass being broken. They place their loss at $500, not insured. Mrs. Mauff's city place is badly damaged, while her large range of glass at Harmon escaped untouched. She was insured. Benson's new range of glass is about completed except glazing. He has it all planted up. The hail did considerable damage to the stock. His old place at Petersburg was untouched. Work was begun quickly on repairing and Monday morning all hands were busy cleaning up and getting ready for glaziers.

Business remains fair, mostly funeral work, of which there have been two or three good days. Stock is in ample supply for all demands, excepting sweet peas, which are poor. Perhaps what are left standing after our severe storm will do better.

There will be two picnics given by the florists this week, one by the Denver Florists' Club at Harmon Park and one individually by the Park Floral Company to their employes and families, up the Platte Canon.

W. J. Crowe, who has been out to California for the past two months, is back again. "Billy" says California is a great country and is telling great tales of things floricultural there. B.

BEGONIA GLOIRE DE LORRAINE,

2¼-inch pots, $15.00 per 100.

Write for prices on large lots. Stock guaranteed absolutely free from disease.

THOMAS ROLAND, Nahant, Mass.

Clearance Sale of Rose Plants

We have on hand the following Rose Plants that we must dispose of immediately as we are obliged to have the room. They were grown for our own use but we have concluded to grow only grafted stock, therefore this stock is for sale. We fully guarantee the plants to be in first-class condition in every respect, and to get rid of them we will sell at the following low prices:

3,000 MAIDS, 3-inch, $30.00 per 1000.
1,000 MAIDS, 2-inch, $20.00 per 1000.
1,000 LIBERTY, 3-inch, own roots, $100.00 per 1000.
Also 500 BRIDES, 3-inch, grafted, $100.00 per 1000.
500 MAIDS, 3-inch, grafted, $100.00 per 1000.

This stock is as good as can be grown and guaranteed to be so.

Bassett & Washburn,

76 WABASH AVENUE, CHICAGO.

Greenhouses, HINSDALE, ILL.

SURPLUS STOCK OF

Forcing Roses

A No. 1 Plants in 2 1-2-inch Pots.

BRIDES, $2.50 per 100.
MAIDS, $2 50 per 100.
KAISERINS, $3.00 per 100.
METEORS, $3 00 per 100.
AUG. GUINOISEAU, $3.00 per 100.

This stock is carefully grown and was intended for our own use.

J. B. HEISS, The Exotic Nurseries,
DAYTON, OHIO

YOUNG ROSE Stock

Cuttings from Grafted Plants.

3 inch Maids, Brides and Meteors, $5.00 per 100; $45.00 per 1000.
3½-inch Maids, Brides and Meteors, $6.00 per 100; $55.00 per 1000.

ADIANTUM GUNEATUM.
6-inch pots, $35.00 per 100.

Cash with order. Send for sample.

The F. R. Williams Co.
CLEVELAND, OHIO.

A FEW GOOD THINGS YOU WANT.

KENTIA Belmoreana and Forsteriana, also Areca Lutescens, 3 plants in a pot, extra clean and well grown plants, 2½, 3, 4 and 5-in., $8, $15, $30, $50, $75, $100 to $125 per 100.

REX BEGONIA, 2 and 3-inch, $4 and $6 per 100.

BOSTON FERN, $1, $8, $15 and $30 per 100 for 2, 3, 4 and 5-inch.

FERN, Cordata Compacta, 2 and 3-inch, $4 and $10 per 100.

ASPARAGUS Plumosus, 2-inch, $5; 3-inch, $8. Sprengeri, 2 inch $3; 3 inch, $5, per 100.

DRACAENA INDIVISA, 3, 4 and 5-inch, $6, $10, $25 per 100.

ENGLISH IVY, 2 and 3-inch, $3 and $6 per 100.

A full line of the best bedding **GERANIUMS** for stocking up, 2 inch, $3; 3-inch, $5 per 100.

SMILAX, Vinca Var., Campbell Violets, Lobelia, Coleus, Alternanthera, Ageratum, Scarlet Sage, Lemon Verbena, Giant Alyssum, 2-inch, $2; 3-inch, $4 per 100.

Let me price your wants. Cash or C. O. D.

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

Please mention the American Florist when writing.

List of ROSES

NOW READY TO CLOSE OUT.
Look it over and write us your wants.

METEORS, 650 2-inch; 300 2½-inch
BRIDES, 2,400 2-inch; 1,700 2½-inch.
MAIDS, 1,000 2-inch; 1,000 2½-inch.
KAISERINS, 150 2-inch.
PERLES, 800 2½-inch.
AMERICAN BEAUTIES, 1 300 2 in.; 1,700 2½-in.
LIBERTY, 1,400 2-inch.
GOLDEN GATE, 575 2-inch; 750 2½-inch.
LA FRANCE, 400 2-inch.
BELLE SIEBRECHT, 175 2-inch; 550 2½-inch.
SOUPERT, 50 2½-inch.

GEO. A. KUHL, PEKIN, ILL.

Extra Value in ROSES

Excellent well-grown stock, in the most perfect condition to plant now:

	Per 100	Per 1000
AMERICAN BEAUTIES, 3-inch	$8.00	$75.00
PERLES, very fine, 3-inch	5.00	50.00
GOLDEN GATES, 3-in., extra strong	5.00	50.00
METEORS, 3-inch, large	4.00	35.00
BRIDES, 3-inch	5.00	45.00
" 2¼x3-inch	3.00	25.00
MAIDS, 3-in.	5.00	45.00
" 2¼x3-in	3.00	25.00

This stock will satisfy the most critical buyers.

W. H. GULLETT & SONS, LINCOLN, ILL.

Roses Strong healthy plants from 3-inch pots, $5 per 100: La France, Golden Gate, Bride and Maid. American Beauty, $7 per 100. Smilax, 3-in. pots, $3 per 100. Oriental Pepper, 3-inch pots, $3 per 100. Rubber Plants, 18 to 24 inches, $5.00 a dozen; 24 to 30 inches, $7.00; 30 to 36 inches, $9 per doz.

JOSEPH HEINL, Jacksonville, Ill.

EXTRA FINE 3-INCH ROSES,

Mme. Abel Chatenay

Last year's Washington novelty, $8.00 per 100.

EMIL GLAUBER, Montclair, Colo.

THE AMERICAN FLORIST'S

COLOR CHART

PRICE 15 CENTS POSTPAID.

AMERICAN FLORIST CO., Dearborn St., Chicago, Ill.

Chrysanthemum...

TIMOTHY EATON, well-rooted cuttings, $2.25 per 100. Sample 20 for 50 cts., express prepaid Plants, $3.00 per 100, express not prepaid. All healthy and strong.

Aster Plants.

Queen of the Market, white, red, pink and mixed.

Florists' Upright Branching, outer petals recurved, center petals incurved, superb cut flower, pure white, daybreak pink, fiery scarlet and lavender.

Late Branching or Semple's, white, rose pink, lavender, red and mixed.

All the above are the best money makers for florists, strong, healthy plants, assorted to suit, 50c per 100, $4.00 per 1000. Express prepaid for cash with order.

DES MOINES PLANT CO.,
38th St., Des Moines, Iowa.

'MUMS

We have a large stock of fine plants from 2½-inch pots, ready to ship on short notice. Our selection of standard varieties, $20.00 per 1000; $12.00 per 500. Write for prices on large orders. Following is a partial list. Send for complete list.

T. Eaton	$4.00	R. Halliday	$4.00
Nellie Pockett	8.00	Major Bonnaffon	3.00
Lady Roberts	8.00	Philadelphia	5.00
Mrs. E. D. Smith	6.00	Modesto	3.00
Golden Beauty	8.00	Nagoya	3.00
Mrs. Chamberlain	8.00	M. de Montmort	3.00
Mme. F. Bergmann	3.00	Glory of the Pacific	3.00
Willowbrook	3.00	Lady Harriett	6.00
Merry Monarch	3.00	Maud Dean	4.00
Polly Rose	3.00	Xeno	3.00
G. S. Kalb	3.00	Geo. W. Childs	4.00
Ivory	3.00	Intensity	4.00
Mrs. J. Jones	3.00	H. A. Parr	3.00

H. WEBER & SONS, Oakland, Md.

'Mums

Standard Varieties

White	Yellow	Pink
Fitzwygram	Maj Bonnaffon	Glory of Pacific
White Ivory	Rieman	Pink Ivory
Mayflower	Yellow Mayflower	Viviand-Morel

Mrs. Jerome Jones—rooted cuttings, $1.50 per 100.

From 2½-inch pots, $2.50 per 100.

Monrovia, earliest yellow, White Bonnaffon, Lavender Queen, Col. Appleton, yellow — Rooted Cuttings, $2.50 per 100. From 2½-inch pots, $4 per 100.

Timothy Eaton, white, E. D. Smith, yellow, Mrs. W. B. Chamberlain, pink — Rooted Cuttings $3 per 100. From 2½-in. pots, $1.50

GEORGE HARRER, Morton Grove, Ill.

Primroses.

	Per 100
Chinese, Obconica Grandiflora and Forbesi, 2-inch pots	$2.00
Asparagus Plumosus	3.50
Smilax, 2-inch pots	1.00

CASH OR C. O. D.

JOS. H. CUNNINGHAM, Delaware, O.

Carnation Floriana.

We believe this to be the best pink carnation introduced to date, was disseminated in the spring of 1901 by originators, Messrs. Fillow & Banks. Price, $6 per 100; $50 per 1000 50 at 100 rate, 500 at 1000 rate. Less than 50, 8c each.

Dailledouze Bros., Carnation and Chrysthemum Specialists,
FLATBUSH, BROOKLYN, N. Y.

Marie Louise Violets

Strong plants, February and March struck, healthy and free from disease. Cash with order. Your money cheerfully refunded if not satisfactory. $10.00 per 1000.

C. Lawritzen, Rhinebeck-on-Hudson, N. Y.

CHRYSANTHEMUMS.

WE HAVE the following fine varieties in 2-inch pots, ready to ship at once. All are in excellent condition and none are hard or stunted. Per 100—Timothy Eaton, white, $4; Soleil de Octobre, yellow, $4; Lady Harriett, pink, $6; Merza, white, $4; Jerome Jones, white, $4; Golden Wedding, yellow, $4; Polly Rose, white, $4; John K. Shaw, pink, $4; Silver Wedding, white, $4; Yanoma, white, $4; White Bonnaffon, $4; White Ivory, $3. Also a few thousand fine American Beauty plants, 3-in., $10 per 100; $90 per 1000. La France, Ivory, Mrs. Ames, Wootton, Bride and Kaiserin. Write for prices.

Robt. Craig & Son, Phila., Pa.

FLORISTS' ROSES

FOR WINTER FORCING.

All our 2½-inch stock has been shifted from 2-inch pots. Our rose plants are all grown for the trade (we do not grow cut flowers), and such plants we claim are well worth more money than ordinary surplus stock:

	2½-in. Per 100	3½-in. Per 100
AMERICAN BEAUTY	$3.00	$12.00
BRIDESMAID	3.50	8.00
GOLDEN GATE	3.50	8.00
KAISERIN	5.00	12.00
METEOR	3.50	8.00
PERLES	4.00	10.00
BRIDES	3.50	8.00
IVORY, White Golden Gate	12.50	20.00

MRS. OLIVER AMES, 4-inch per doz., $10.00.

BEDDING ROSES in large assortment, strong 2½-inch, per 100, $3.00.

CANNAS Strong 3-in. pot plants, per 100, $4.00.

Alemannia	Burbank
Explorateur Crampbel	Florence Vaughan
Italia L. Patry	Mlle. Berat
Pres. Carnot	Paul Marquant.

Asparagus Plumosus, 2-inch pots, per 100, $4.00.
Asparagus Sprengeri, 2½-inch pots, per 100, $3.00.
" " 3-inch pots, per 100, $6.00.
Smilax, per 100, $2.50.
Chrysanthemums, large assortment, $3 to $4 per 100.
Fern Balls in leaf, 7 to 9 inches, per doz., $6.00.
Ferns for Fern dishes, best kinds, per 100, $4.00.
Hibiscus Peachblow, 2½-inch pots, per 100 $3.00.
Lemon American Wonder, 2½-inch pots, per 100, $5.
Coleus, best assortment, per 100, $2.00.

Vaughan's Seed Store,

GREENHOUSES: WESTERN SPRINGS, ILL.

84 & 86 Randolph Street, CHICAGO.
14 Barclay Street, NEW YORK.

ROSES FOR WINTER FLOWERING

Fine, healthy stock from selected cuttings.

BRIDES, MAIDS, KAISERINS, WOOTTONS, BON SILENE, MME. HOSTE, SAFRANO, PAPA CONTIER, GOLDEN GATE. 3-inch pots, $7.00 per 100, 4-inch pots, $10.00 per 100.

SUNRISE, LIBERTY, 3-inch pots, $9.00 per 100; 4-inch pots, $12.00 per 100.

GRAFTED ROSES, Kaiserin, Golden Gate, 3½-inch pots, $15.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

100,000 ASTER PLANTS

Semple's and Queen of the Market. New lot ready now, grown from the finest seed, at $1.00 per 500; $1.50 per 1000; 10,000 for $12.50.

J. C. Schmidt, Bristol, Pa.

Please mention the American Florist when writing.

BARGAINS

in Chrysanthemums and Fuchsias, named varieties, at $2.50 per 100.

Allamanda Williamsii	$4.00 per 100
Acalypha Sanderii	3.00 per 100
Russelia Elegantissima	3.00 per 100
Vinca Variegata	4.00 per 100

All good 2½-inch plants.

The Conard & Jones Co, West Grove, Pa.

Please mention the American Florist when writing.

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Geranium, the finest of all bedders, 3½-in. pots, $6.00 per 100; 2½-in., $4.00 per 100. Cash please.

HENRY EICHHOLZ, Waynesboro, Pa.

MEETING B. Y. P. U., PROVIDENCE, R. I.

The Nickel Plate Road will sell tickets July 7, 8 and 9 at one fare for round trip, with stopover at Niagara Falls and Chautauqua Lake if desired; also via New York City if preferred. For sleeping-car accommodations, call at City Ticket Office, 111 Adams St., or address John Y. Calahan, General Agent, Chicago. 23

Cincinnati.

GOOD WEATHER MAKES STOCK OF IMPROVED QUALITY.—SUPPLIES UNDER THE DEMAND — PICNIC PLANS.—THE CLUB MEETING.—A NEW ARRIVAL.—PERSONAL DOINGS.

Delightful cool weather the past week had a tendency to improve the quality of stock, particularly Brides and Bridesmaids, also of shortening the supply of these two most useful roses. Last week Thursday it was impossible to buy roses at any of the wholesale places, everything being sold out clean and the demand for flowers on this day was something extraordinary. The shipped stock does not arrive in the best condition and last week the writer saw a box of carnations arrive at one of the commission houses in such poor shape that they were consigned to the garbage barrel without further ceremony. No wonder the growers kick about the returns at times. Had this stock arrived in good shape every flower would have been sold, as carnations, too, were a little scarce. There is plenty of smilax, asparagus and adiantum on the market, also an abundance of sweet peas. The beginning of this week found business a little slow and stock more plentiful.

The programme for the next outing, July 24, is ready and it looks as though the florists are going to have all kinds of fun. There will be baseball, bowling, running races, sack races, fat men's races, quoit pitching and numerous other games. The ladies will also have their contests. The committee in charge has been very liberal in offering prizes for all events.

"Tom" Hardesty came over Friday morning, wearing an unusually broad smile. He said the stork had been at his home the night before and left a bouncing baby boy. Mother and son are doing well and we might incidentally add that the father will pull through all right.

The next meeting of the Florists' Society will be held at Chas. Pommert's place, Amelia, O., July 10. Trains will leave Carrol Street Station, C. G. and P. R. R., at 11:20 a. m. returning leave Amelia at 4:30 p. m. The fare for the round trip is 80 cents.

A. C. Kohlbrand, of Amling's, Chicago, is spending his vacation in this city, visiting relatives and renewing acquaintance with friends. D.

LANCASTER, PA.—Albert M. Herr is preparing to add a range of new houses to his plant.

Roses AND Celery

Maids, Meteors, Golden Gates, Brides and Kaiserin, 3 inch, at $3 per 100. Grown for own planting and are A 1 stock.

CELERY PLANTS, best plants and varieties grown, $1.50 per 1000. Large lots cheap.

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KALAMAZOO, MICH.

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ARECA LUTESCENS, per doz.—2½-inch, 75c; 3 $1; 3½, $2; 4, $3.
KENTIA BELMOREANA, doz.—2½ in., $1.50; 3, $2; 3½, $3; 4, $3 60.
KENTIA FORSTERIANA, per doz.—2½-in., $1.50; 3-in., $2; 3½-in., $3; 4-in., $4.
LATANIA BORBONICA, per doz.—2½-in., 60c; 3-in., $1; 6-in., $7.20; 7-in., $10; 8-in., strong, $18.
PANDANUS VEITCHII, per doz.—5-in., $12; 6-in., $18; 7, $30; 8, $42.
NEPHROLEPIS BOSTONIENSIS, per 100—3-in., $8.00. Per doz.—5-in., $3; 7-in., $9; 8-in., $12; 9-in., $18; 10-in., $24
ASPARAGUS PLUMOSUS NANUS, 2-in., $1 per 100; 3 in., $8 per 100.
ASPARAGUS SPRENGERI, per 100—2-in., $3; 3-in., $8; 4-in., $12; 5-in., $15.
ARAUCARIA EXCELSA, 4-in., $5 per doz.
FERNS FOR DISHES, Etc., $3 per 100.
FERN BALLS, well furnished with leaves, $3 to $5 per doz.

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Col. Appleton, 2½-inch, $20.00 per 1000; rooted cutting, $15.00 per 1000. Maj. Bonnaffon, 2½-in., $18.00 per 1000; rooted cuttings, $11.00 per 1000. Our selection in proper proportion of color, 2½-inch, $20 per 1000; rooted cuttings, $12.00 per 1000. 100,000 2½ and 3-inch Maids, Brides, Gates and Meteors. 25,000 2½-inch Stevia and rooted cuttings, $20 and $12 per 1000.

Printed price list furnished on application.

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Feather Grass, Excellent for bordering beds for tall growing plants.

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SMILAX, 2 inch, strong, $1.50 per 100.
BONE MEAL. Best in the market for Florists' use, $3.50 per 200 lb. bag.

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ASPIDISTRA Fine stock, $1.50 per 100 leaves. 50 at 100 rates.
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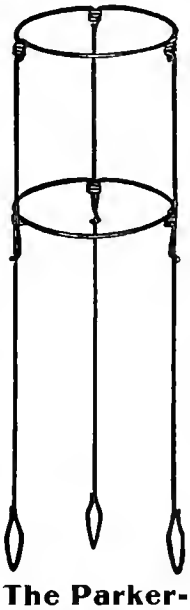
NOTICE:—The Model Plant Stake Co., formerly of Brooklyn N. Y., has removed to 208 Jersey St., Harrison, New Jersey, and is now The Parker-Bruen Mfg. co.

The Model Extension Carnation Support.



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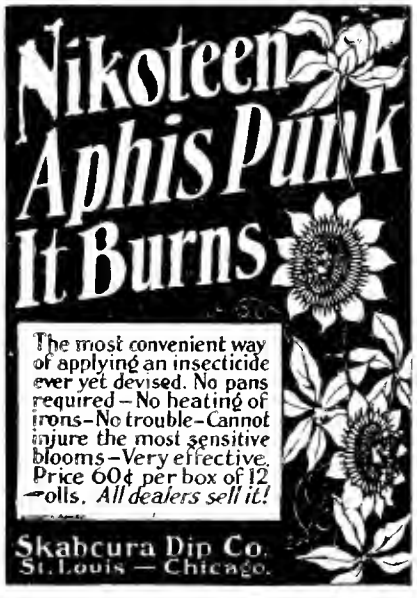

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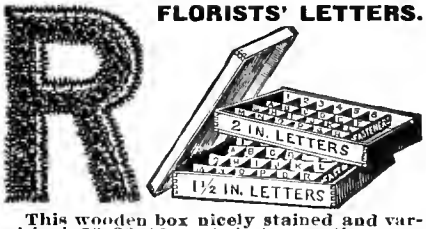

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Lowell, Mass.

LAST WEEK IN JUNE A GOOD ONE BUT IT BRINGS THE END OF THE BUSY SEASON.—ROSES SHORTEN UP AND TREBLE IN PRICE.—NOTES OF VARIOUS DOINGS.

This week will see the end of the commencements and weddings which have kept us on the move for the past few weeks. The supply of cut flowers continues to hold up well, although carnations seem to be gradually falling off in supply, due to the fact that some of the growers are throwing them out. The price realized on fairly good stock is only 25 cents per hundred, while the better varieties bring $1 and in some cases $1.50 per hundred. A week ago roses were abundant and could be bought for "any old price," but last week the receipts shortened wonderfully and with an unusually heavy demand the supply was soon exhausted. At times it looked rather doubtful about getting enough to fill orders. Brides and Bridesmaids that sold previously at $2 and $3 per hundred jumped to $6 and $8 for the same grade, while red roses were selling at a premium.

The past week has been a strenuous one down at Patten's, in Tewksbury, making preparations to plant out their enormous supply of carnation plants, which will be near the 50,000 mark.

A. M.

Washington, D. C.

Trade in general for June was exceptionally good. Many of the florists say they never had such good business in that month. But now trade is steadily on the decrease and as congress has adjourned and the entertainers have gone to the summer resorts, there will be little doing.

At the gardens and grounds of the Department of Agriculture they have almost completed two houses 10x140 for experimental purposes. P. G.

CYPRESS

Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

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LOW RATES TO ATLANTIC COAST POINTS.

July 5 to 9, inclusive, the Nickel Plate Road will sell tickets to Portland, Me., and return, at one fare for the round trip. It will be to your interest to obtain rates via that road before purchasing elsewhere. Three daily trains. Write John Y. Calahan, General Agent, 111 Adams St., Chicago. 26

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800	3½ "	5.80	24	11 "	3.60
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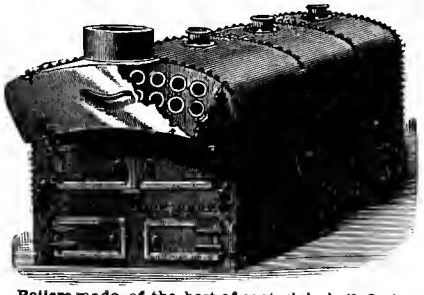

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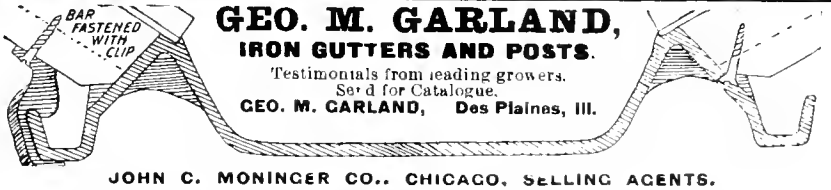

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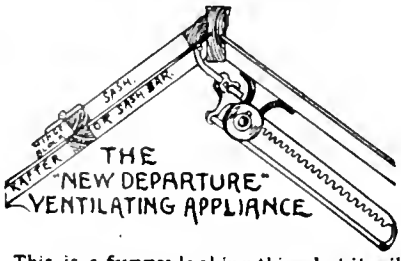

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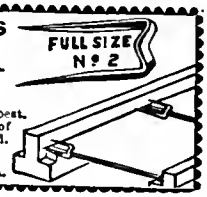

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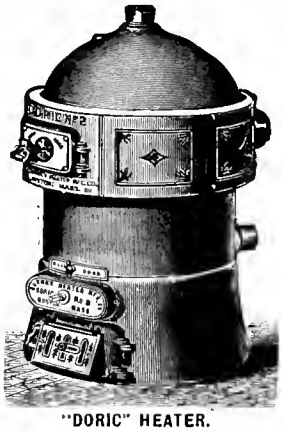

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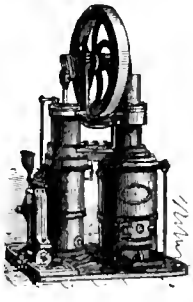

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THE AMERICAN CARNATION SOCIETY.

Annual convention at Brooklyn, N. Y., February, 1903. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Asheville, N. C., August, 1902. Edwin Lonsdale, Chestnut Hill, Pa., Sec'y.

AMERICAN ROSE SOCIETY.

Annual meeting at call of executive committee, LEONARD BARRON, 136 Liberty St., New York, secretary.

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Heabaceous Plant Notes.

In June, July and August the perennials in the gardens are at their best. A confusing number of species and varieties are then in full blast, all are pretty in their way and I find it difficult to decide which of them to mention, but in going over the grounds this morning I noticed a few of the rarer things in bloom and concluded to select a few of these for to-day's talk.

Hypericum Coris, though old, is scarcely known. It is a very neat and compact grower, with glaucous, linear, heath-like foliage, arranged in whorls around the slender, erect growth, which is terminated by loose clusters of five-petaled flowers, pure golden yellow and quite large for so small a plant, about three-fourths of an inch across and freely produced from June to September. The stems are woody and attain a height of from six to nine inches with us, rarely over that. The tips are occasionally winter killed, but as the plants break freely from below, the damage, if any, is soon repaired. A spring shearing is beneficial; the plants start more vigorously when so treated. They are evergreen and succeed in almost any soil with good drainage. We have had them here for some years, but I never mentioned the name under the heading of hardy plants, not being sure of its hardiness in this latitude. Now I do not hesitate to recommend it to all as the daintiest of all the hypericums. It is one of my favorites and ought to be everybody's.

Centaurea orientalis is an ornamental, branching plant with twice divided, archingly bent foliage, silvery gray in its younger state. The stems attain a height of two to two and one-half feet and the numerous glabose flower heads are borne on long, stiff stems, from June to September. Various colors are represented, ranging from bright bronzy crimson, deeper or lighter yellow and sulphur to almost white. It is a desirable cut flower and easily grown in border or field.

Coronilla montana is a compact, free flowering plant with bright yellow, many-flowered peduncles springing from the axils of the leaves as the growth elongates from June to September. It grows from six to ten inches high in central New York and has glaucous foliage, similar to the well-known tender C. glauca grown in greenhouses. Like all the leguminosæ, it does best in rather dry, well drained situations, is perfectly hardy, but a slow grower and should not be disturbed when once planted in a suitable place, unless you should desire to increase the stock by dividing the old plants. As it can readily be grown from soft cuttings, I do not approve of this method of propagation in their case. The rockery is an ideal place for this coronilla.

Digitalis Sibirica has stems four to six feet high, with a yard or sometimes more of pretty flowers, ground color white or nearly so, veined and clouded purplish. It remains in perfection for a long time. The stems are branching along their lower half and often form candelabra-like pyramids of great beauty. An erect, robust grower, it is by no means coarse or spreading.

Digitalis orientalis has long, slender, self-supporting stems, with very numerous, small, straw-colored flowers. As in the above mentioned species, the stems are branching but it is much dwarfer in habit, elegant and graceful. The height is two to two and one-half feet. Both are true perennials and perfectly hardy, like D. ambigua, not like the ordinary foxgloves of gardens, which are biennials. For a number of years I have been trying to hybridize the various biennials with the true perennials to obtain a greater variety of color, but am not yet prepared to report on the results, which, however, are, after a number of failures, promising at last.

Eryngium giganteum is perhaps the showiest in the family. The bluish, conical heads are very large and the involucrum surrounding the flower proper, and the bracts around the nodes of the branchy stems, are silvery white, deeply divided and finely lacerated. The upper half of stems has a pale steel-blue tinge. The height is three or three and one-half feet when full grown.

Eryngium alpinum is another species worth mentioning for its attractive coloring. Fully one-half of the plant shows the deep steel-blue tinge on the stems, as well as on the bracts, but the plant is much smaller than the foregoing, being only one and one-half to two feet in height.

Dianthus Knappii is, to my knowledge, the only yellow flowered hardy dianthus. It is easily grown when once you get it, but increases very slowly. The flowers are quite large, pure sulphur yellow and borne in small clusters, remaining in perfection for a long time. With all the dianthuses, an open, well-drained, sunny situation is preferable and this rare species is no exception. Its height varies from eight to twelve inches.

The old Aconitum taurlcum we rarely

see. I mention it here because it is the earliest of all the blues. Its long spikes are well furnished with large, deep blue helmet-like flowers and it is one of the best for cutting.

Erodium Manescavi blooms all summer. The flowers are very large, borne in long stalked, loose umbels, color a bright, pleasing shade of rose, with a slight tinge of purple. It is an elegant species and very free flowering.

Genista tinctoria does not seem to be appreciated as it ought to be. It is a half-shrubby plant, bearing terminal, racemose spikes of pure golden yellow, pear-shaped flowers. A patch on the rockery is at present a dense mass of yellow and will continue to make a show for six weeks to come. The tips of the branches are usually winter killed, but the plant wants an annual shearing back at any rate, else it would grow too straggling and therefore we never pay any attention to this fault, if we should call it a fault. A rather dry soil is preferable, though we grow some of our plants in a moist place on the borders.

J. B. K.

CARNATIONS.

A HOUSE OF FLORA HILL.

There are in some quarters complaint of the results with Flora Hill, but Sidney Clack, of Menlo Park, Cal., is not one of the dissatisfied growers. The accompanying illustration shows that he has ample reason for complacence. The photograph was taken just before Easter. That same day 1,080 flowers had been picked in the house and for two weeks before the average had been from 720 to 960 a day. The flowers were of excellent quality and on good stems. They sold well in the San Francisco market, averaging as good returns as any white variety. It is Mr Clack who is seen in the picture.

HOUSE OF WHITE CLOUD GROWN BY SIDNEY CLACK, MENLO PARK, CAL.

CARNATION MISS LOUISE FABER.

Fick & Faber, of San Mateo, Cal., with whom this variety originated, claim that Miss Louise Faber is the longest-stemmed pink carnation in existence. In the illustration opposite it can be seen that a yard stick is standing beside the vase of blooms and that most of the stems exceed thirty-six inches in length. This is by no means an exceptional lot. The flower is a deep Bridesmaid color and the average size is three inches in diameter. This seedling is now in its fourth year with Fick & Faber and they find it as free a bloomer as one could ask.

LESSONS OF THE WET WEATHER.

With excessive rains in almost every section of the country, now is a good time to decide whether or not your system of field planting is the best you can adopt for general results, and if not then there is no better time than the present, with the facts all before you, to decide which system you will follow for next season.

Planting on ridges, with space enough between the rows to get in with a horse cultivator, is far ahead of the ten-inch-each-way system of planting, and especially so for a season like this one; with me it is the best for all seasons.

If the ten-inch-each-way system, or, rather, the hand cultivator system, is all right for a wet season, then there is no use to make a change to any other, but from the looks of some fields I have seen where this system is in use, I would as soon think of sowing carnation seeds and expecting paying results next winter as by planting close on level ground in a wet season. The worst feature of the matter is that the stem rot does not stop in the field but is carried into the house and is a constant source of annoyance and loss the entire winter.

By planting on ridges and having abundant space between the rows you overcome all the difficulties from excessive rain, supposing of course that the land is properly drained, either naturally or artificially, so that it does not become water-logged. The plants on the ridges are cleaned up by each rain, instead of having the soil washed into their hearts, as is the case when planted on level ground.

The wide space between the rows admits of cleaning the patch and keeping the plants open to the air, even when continual rains do give the weeds a start. In dry weather, with the ridge system and horse cultivation you can loosen the soil to a good depth and then, with a hand plow, such as comes with all hand cultivators, you can throw up to your ridged row a nice lot of this loose soil without disturbing the roots of the plants, and everyone knows that this deep mulch of loose soil along the row is the sort of treatment that gives the best results in dry weather.

Another point that has been hashed over so often that it seems as if every grower ought to remember it is to avoid throwing dirt into the hearts of the plants, either by hoeing or cultivation. There is nothing which will help along the stem rot fungus so much as to pile dirt around and into that portion of the plant that requires light and air for its proper development. This sort of treatment is bad enough at any time but in a wet season it is almost suicidal, yet I have this season seen some good growers (of other stock) using a hand cultivator with a wheel running each side of the row and the shovels throwing dirt into and around the top of the plant until less than half the plant's foliage was above ground. This sort of treatment is bound to bring stem rot to a greater or less degree in the field, and more especially so when the plants are housed.

There is not much chance for treatment outdoors but when carnations have been subjected to the culture described, the damage can be partially overcome by going over the patch carefully and cleaning all the soil away from the plants until they show not less than half an inch of stem between the first leaves and the top of the soil. After this has been attended to give the patch a good application of air-slaked lime, working it well into the soil. This done you have used about all the available means at hand to check the stem rot and keep it from spreading into the houses. This is not an infallible cure, but does the work in six or more cases out of every ten.

In speaking of stem rot I mean the sort of stem rot that takes the whole plant at one time, the kind that means a heavy loss to the grower unfortunate enough to get it in his stock. There is another form of stem rot that is present with most growers to a greater or less extent each season. This is the sort that affects the plant a branch at a time, eventually killing it This sort does not spread with the same rapidity as the other, but is just as much to be fought against, by destroying every plant affected as soon as noticed in the patch; destroying them by taking them off the patch, not simply pulling them out and throwing them down, between the rows. Some growers claim that they have had good results from plants affected in this manner, simply cutting the diseased branches off, but it is not a policy to follow except in cases where stock is exceptionally scarce and then such plants should not be used for propagating purposes, as this sort of stem rot is hereditary.

ALBERT M. HERR.

Brooklyn Horticultural Society.

The meeting of the Brooklyn Horticultural Society held Tuesday evening, July 1, was largely attended. President Ward occupied the chair. A constitution governing the society was submitted and after a few minor changes, adopted. It provides for a permanent organization. The annual meeting will occur the first Thursday in February, 1903. Officers will be elected for two years. The annual dues are set at $5. The society intends to hold exhibitions at stated times and will bend its efforts to developing, in Brooklyn and district, a taste for things

horticultural. The field is wide, the opportunities many, and it is believed that much good work will be accomplished.

A very gratifying addition was made to the entertainment fund. The Long Island florists are responding nobly to the call for assistance along this line and a cordial and hospitable reception to the American Carnation Society next February will be the result of this liberality. There are, however, many more to hear from, and those desiring to help along the good work should send their contributions to the undersigned.

The society adjourned for the summer months, probably till October next. Beauliru, Woodhaven, made an exhibit of dahlia and pansy flowers, receiving honorable mention.

ALEX. WALLACE, Secretary.
Box 1697 New York City.

Rose Society's Medals For Novelties.

The executive committee of the American Rose Society, at its last meeting, held on June 20, took final action upon the conditions under which its medals for novelties will be offered for competition at exhibitions of other societies. It was resolved that the gold medal and silver medal of the American Rose Society be offered to the Pennsylvania Horticultural Society and to the American Institute of the City of New York for competition at the March shows of these bodies in 1903; and to the Horticultural Society of Chicago for the fall show of 1902. In each case the conditions governing the awards of the medals are:

Gold medal for the best new rose not yet disseminated, whether of domestic or foreign origin. Exhibits to be judged by the official scale of the American Rose Society and no medal to be awarded to any rose scoring less than ninety-five points. Silver medal is offered at the same time and under the same conditions for a novelty scoring not less than eighty-five points.

It is further ordered that the complete scores of all the entries in the competition be filed with the secretary of the American Rose Society before the award of any medal is confirmed. No duplicate medals will be awarded. It is understood that though the award of the gold or silver medal may be made to the same variety from one exhibitor in different centers only one medal well be delivered to the exhibitor.

The executive committee of the American Rose Society reserves to itself the right of selection of the judges who shall pass upon the exhibits in the competition for these medals.

LEONARD BARRON, Sec'y.

Massachusetts Horticultural Society.

The exhibition of the Massachusetts Horticultural Society, scheduled for July 12, was held on Saturday, July 5, on account of the very forward condition of all garden products. It was in many respects an exceptionally fine show. The larkspurs from Mrs. J. L. Gardner were superb. So, also, was the herbaceous flower display from the Blue Hill Nurseries. The neat and instructive manner in which the latter were labeled was an object lesson to all other exhibitors for future imitation. Iris Kæmpferi was shown in old-time perfection by Mrs. J. L. Gardner and others. Mrs. E. M. Gill's vase of flowers was the most skillful arrangement of mixed material seen here in many years.

CARNATION MISS LOUISE FABER.

The novelties were many. Joseph Tailby & Son showed a seedling calla, Richardia alba maculata × Elliottiana, the flowers lemon yellow and the foliage spotted with white. The specimen shown bore many flowers and received a silver medal. H. T. Clinkaberry received a bronze medal for Cypripedium Mahleræ var. platytænum (C. Rothschildianum, Trenton var. × Lawrenceanum giganteum) and J. E. Rothwell received a similar award for Cypripedium Cowleyeanum (C. Curtisii × niveum). Certificates of merit were given to Oakes Ames for hybrid Cypripedium I'Ansonii (C. Morganæ × Rothschildianum), to J. E. Rothwell for hybrid Cypripedium Frau Ida Brandt (C. Io Grande × Younglanum), to George Melvin, gardener for Col. Chas. Pfaff, for superior cultivation of Odontoglossum læve, and to Arthur A. Brigham for a beautiful pure white variety of Cypripedium spectabile. Honorable mention was given to F. J. Rea for the hybrid Wichuraiana rose Dorothy Perkins and to H. A. Wheeler for Shasta daisy. Other exhibits of merit were roses, sweet williams, sweet peas and herbaceous flowers from W. J. Clemson, delphiniums and herbaceous flowers from Carl Blomberg, Cattleya Gaskelliana and Oncidium incurvum from E. J. Mitton and Shirley poppies from L. H. Atkins.

The quarterly meeting of the Massachusetts Horticultural Society was held on Saturday, July 5. A large amount of routine business was transacted, including the admission of twenty-five new members, the presentation of a memorial of the late secretary, Robert Manning, and the appointment of committees to prepare memorials of the late H. H. Hunnewell and James Comley. The executive committee reported the appointment of W. P. Rich as secretary. A motion presented by Wm. H. Spooner was passed authorizing the appointment of a committee of seven members to prepare a revision of the constitution and by-laws and Messrs. Walcott, Jose, Rawson, Spooner, Saltonstall, Weld and Farquhar were appointed by the president, accordingly, the make up of the committee being equally divided between the progressive and conservative wings

of the society and Dr. Walcott, as chairman being equally acceptable to both. This action looks to a conciliatory settlement of the difficulties of the past few years arising from divergent views as to the best mode of government for this influential institution.

Four Generations.

Four generations of Henry Siebrechts—three of them florists and the fourth an heir presumptive to the profession—is what we have in the accompanying picture. The eldest and the youngest are readily identified, but to decide as to which is "No. 2" and which "No. 3" will not be so easy for those not having a personal acquaintance with these estimable gentlemen, so here is a chance for a guessing match. It is permitted to but few families to present a group such as this. May the quartette remain unbroken for many years to come.

The Coronation Rose Show.

The unexpected illness of King Edward was not the only, although it was the greatest, intervention between the Royal Horticultural Society of Great Britain and the entire success of its recent London rose exhibition. In the first place, because of the unfavorable season, roses were not much in evidence, although as to some other subjects it was one of the best shows ever held. The announcement of the king's illness and the indefinite postponement of the coronation, as may be readily appreciated, threw a dampener on the whole affair.

Except of roses, the exhibits were in every way admirable, and of roses some good things were shown. Mr. Turner's standards of the Rambler type were very fine, having long, drooping well flowered branches, quite unique in their way, and most effective for decorations. Paul & Son's group was also very attractive and contained some new things of the Rambler type. Frank Cant exhibited Lady Roberts in good shape. In G. Prince's exhibit Souvenir de Pierre Notting was most worthy of note. Dorothy Perkins, shown by Cutbush & Sons, is a rose of great merit.

The miscellaneous groups of stove and greenhouse foliage and flowering plants were a great feature. Cyphers' group was a glorious combination of choice orchids, crotons, ferns, dracænas, and other good things. Veitch & Sons and Fisher, Son & Sibray also made grand displays. Cutbush & Sons' group consisted chiefly of carnations, including Cecelia, yellow, and Avalanche, a good white. C. Blick, grower to Martin Smith, also showed carnations, the Cecelia being the largest blooms I have seen of any yellow variety.

H. Gow & Company staged some fine hydrangeas. J. Laing & Sons had some fine caladiums, tuberous begonias, streptocarpi and hardy flowers. Cannell & Son's great feature were cannas and aquilegias. Carter & Company staged a grand lot of gloxinias, with a fine mound of lily of the valley in the center. Sutton & Sons also had a fine display of gloxinias shown in a large glass case. J. Peed & Sons had good gloxinias and begonias.

The ferns from Hill & Son were one of the most imposing groups in the show, but too much crowded. In H. B. May's group there were some good ferns, but ivy and zonal pelargoniums were the feature. H. J. Jones also exhibited some good varieties of several sections of pelargoniums, Queen Alexandra, a new ivy-leaved variety being worthy of note. Prince of Wales, a variety of the H. Jacoby type, should become a valuable bedding variety. Davis & Sons staged one of the finest groups of begonias I have ever seen, the double varieties being of enormous size and in great variety of colors. Blackmore & Langdon had a smaller group, but the varieties were of the highest quality.

The most attractive object in Wallace's exhibit was Sparaxis Fire King. In Mr. Perry's the water lilies and other aquatics were a great attraction. The St. Brigid anemones from Reamsbottom were very fine for the season. Dobbie & Company had a fine display of aquilegias and violas.

The nymphæas from Henry A. Dreer, of Philadelphia, U. S. A., attracted much attention and looked very fresh considering the distance they had travelled.

Barr & Sons' exhibit included many rare and beautiful hardy flowers. T. S. Ware had a large collection of hardy flowers, in which pyrethrums were fine. Kelway's pæonias made a gorgeous display. G. Bunyard & Company made a large exhibit, including a variety of hardy flowers and some fruits. Carter & Company also had a large collection of rock plants. Rhododendrons and kalmias were the features of a large group from J. Waterer & Sons.

Sweet peas were well shown by Jones & Sons and R. Sydenham. P. Waterer, an enthusiastic amateur, also made a tasteful arrangement of a few choice varieties.

Orchids occupied a large space, some superb collections being shown. Sander & Sons made a magnificent showing and many others put up good groups. The large collection of clipped trees from Cutbush were in grand condition.

The pretty pink verbena Miss Ellen Willmott was shown by B. S. Williams & Sons, who also had some good ixias and other hardy flowers. Jackman & Sons made a nice display in which campanulas were a feature. The Misses Hopkins again came up with a fine display of Alpine plants.

Many other subjects were worthy of note if space would allow, but the above will give some idea of the extent and variety brought together for what would have been one of the most brilliant meetings of the season, had it not been for the unlooked for news of our king's illness.

H.

FOUR GENERATIONS OF HENRY SIEBRECHTS.

Notes on Aquatics.

In most sections of the country June weather was below the normal. While such was most satisfactory for hardy nymphæas and other hardy aquatics, excepting nelumbiums, it was disastrous for tender nymphæas, especially those planted early, or with the intention of being early, and thus securing the full benefits of a long season. In many cases it means replanting and although this replanting necessarily was done late in June it is surprising what satisfactory growth has been made. Flowers have been produced in three weeks on N. gracilis and its varieties. These facts are conclusive and, as has been stated before, to achieve the best results, the plants from the start should be subjected to no check or interruption in growth.

June and early July have favored us with many fine flowers on most of the hardy nymphæas and some of the newer varieties and those recently imported kinds that were not disturbed this spring have shown up to their best advantage, giving us the opportunity to make comparisons between the French and American hybrids. I think without exception, we have flowered every hybrid that has been disseminated in France or any other country and truly there are many beau-

A WEDDING DECORATION BY THE HUDDART FLORAL CO., SALT LAKE CITY, UTAH.

tiful varieties. The only trouble is that in numbers they are getting somewhat perplexing and the time has arrived when it is necessary to discriminate. There are several too much alike in color, others, again, inferior in size, as well as lacking distinct coloring. It has been our purpose right along, since the introduction of American hybrid nymphæas, not to introduce an inferior variety, and when a superior variety appears, to withdraw, or discontinue offering for sale, an inferior variety.

By this I do not mean that all small forms are discarded. Several of these possess beautiful forms and distinct colors and are suitable for different purposes, but the idea is to get and hold the very best, suitable for all purposes, and at the same time to offer only sterling novelties.

A connoisseur a few days ago asked another in my presence which he considered the best hardy nymphæas. He replied, James Brydon, Wm. Falconer, Gloriosa, Wm. Doogue, Rubra punctata and Gladstoniana. This really is the cream of any selection and of these two are of French origin. A writer in an English horticultural paper of recent date stated that "the best water lilies came from France." He would better soon make other acquaintances.

As usual there are more claimants for first honors and among them is one of the odorate group, named after a distinguished cultivator and lover of aquatics, W. B. Shaw. This is a seedling from N. odorata Caroliniana, superior in every way; color a rich deep pink, like a La France rose. It will rank high among pink water lilies.

This season a western grower of aquatics listed a new pink named Mark Hanna, claiming the same to be a hybrid of N. Gladstoniana and N. Devoniensis, and superior to everything and asked a big price for it. There must be a wonderful difference in climate, soil or water, something very different between west and east, or else I have not got the right Mark Hanna, for the plants I have show no resemblance to N. Gladstoniana and less to N. Devoniensis. It is really an extra good N. odorata rosea and may possibly be worth one-tenth of what the originator asks for it. He has certainly made his "mark" amiss.

Among new French varieties N. atropurpurea and N. Colossa are distinct and worthy of note. The former is deep, brilliant crimson color, the latter delicate flesh pink. One would imagine it is of gigantic proportions but so far it is not by any means as large as N. Gladstoniana, but is nearer to an extra good N. Marliacea albida. Both these nymphæas resemble flowers of the Marliacea group.

At this season of the year ponds are sometimes affected by various forms of soft, slimy green growth, others again like threads. Where any such growth is troublesome and difficult to eradicate a simple method is to use Bordeaux mixture in any form. That with caustic lye or potash is preferable to lime, as the latter leaves a white deposit. A copper solution, ammonical, is perhaps the simplest and very convenient for use. This can be purchased from seedsmen or may be made by dissolving an ounce of copper carbonate in ammonia and diluting as necessity demands. An ounce is sufficient for ten gallons of water. It is only necessary to spray the surface of the pond occasionally or till the foreign growth disappears. The same remedy is also valuable in the case of any sporatic disease or spot, which occasionally affects some varieties of nymphæa during moist, warm, sultry weather.

WM. TRICKER.

Coming Exhibitions.

[Secretaries are requested to supply any omissions from this list.]

BOSTON, MASS., September 11-14, 1902.—Annual exhibition of plants and flowers Massachusetts Horticultural Society. Robert Manning, Sec'y, Horticultural Hall, 300 Massachusetts avenue.

BOSTON, MASS., November 6-9, 1902.—Chrysanthemum show Massachusetts Horticultural Society. Robert Manning, Sec'y, Horticultural Hall, 300 Massachusetts avenue.

CHICAGO, ILL., November 4-8, 1902.—First annual exhibition Chrysanthemum Society of America and twelfth annual exhibition Horticultural Society of Chicago, to be held jointly. E. A. Kanst, Assistant Secretary, 5700 Cottage Grove avenue, Chicago.

KANSAS CITY, MO., November 3-8, 1902.—Flower show, Convention Hall Directors, Kansas City, Mo.

LENOX, MASS., October 23, 1902.—Fall exhibition Lenox Horticultural Society. F. Herremans, Sec'y.

LOUISVILLE, KY., November 12-15, 1902.—Chrysanthemum exhibition, Business Women's League. H. Nanz, superintendent, Louisville, Ky.

MADISON, N. J., November 6-7, 1902.—Seventh annual flower show Morris County Gardeners' and Florists' Society. C. H. Atkins, Sec'y, Madison, N. J.

NEW YORK, N. Y., October 30-November 6, 1902.—Annual exhibition New York Florists' Club. John Young, Sec'y, 51 W. Twenty-eighth street.

PHILADELPHIA, PA., November 11-15, 1902.—Annual autumn exhibition Pennsylvania Horticultural Society. David Rust, Sec'y, Horticultural Hall, Broad street below Locust, Philadelphia.

PROVIDENCE, R. I., November 13-14, 1902.—Chrysanthemum exhibition Rhode Island Horticultural Society. C. W. Smith, Sec'y, 27-29 Exchange street, Providence.

SAN FRANCISCO, CAL., August 14-16, 1902.—Summer exhibition Pacific Coast Horticultural Society. Wm. Eldred, mgr., 1518 Mason street, San Francisco.

TARRYTOWN, N. Y., November 11-13, 1902.—Fourth annual exhibition Tarrytown Horticultural Society. Edw. W. Neubrand, Sec'y, Tarrytown, N. Y.

A Western Wedding Decoration.

The accompanying illustration is from a photograph in St. Paul's church, Salt Lake City, Utah, as it appeared June 10, decorated by the Huddart Floral Com-

pany for the Dern-Cunningham wedding. The principal flowers were longiflorum lilies and carnations, with palms and baskets of Asparagus Sprengeri. At the bride's home there were also elaborate decorations in white and pink, roses and sweet peas being used, with Asparagus plumosus. Some fine La France roses were employed in the dining room.

A recent very fine decoration by Huddart was for a reception where each room was done in a different color, the dining room, for instance, being in red, the flowers being American Beauty roses, red sweet peas and red carnations.

Chicago.

MARKET OVERLOADED WITH SOFT MATERIAL.—LITTLE LOCAL BUSINESS.—ROSES TOO POOR TO SHIP.—MANY MORE LILIES THAN USUAL.—RAINS CONTINUE AND GROWERS ARE RETARDED.—STOCK INJURED BY WATER.—DEMISE OF A LEADING BOHEMIAN.—A VARIETY OF PERSONAL AND TRADE NOTES.

The market has been in a bad way since the Fourth. Up to that day there had been less stock than was needed and everything sold, for qualities were good, but there is nothing doing on the national anniversary, yet receipts were large despite wholesalers' instructions not to ship, for the change to hot weather was forcing the buds open and the growers were helpless. The result was an oversupply which affords no prospect of a let-up until one of the almost daily heavy showers brings a cool wave, and then the relief will be only temporary. There has been very little local trade, the retailers buying lightly and making no attempt at window decoration, except with palms and Boston ferns, or a few auratum lilies. While there have been large receipts of roses, it has often been impossible to fill the few shipping orders which have come into the market, for the stock is again too soft to stand a journey. Of course, under these conditions, average returns have been very low, sales of roses at 10 cents a pot being not unusual. Carnations are faring a little better, but there are lots of them and they are too small to command much of a price. The few asters coming in are injured by the rains. The most pronounced over-stock in the market is sweet peas. They come in by the thousands and some of them, particularly those from C. W. Northrup, at La Grange, are very fine. They would have brought big money during the wedding season but now it is hard to move even the best of them and many thousands of the lower grades go to waste. There are unusually large receipts of auratum lilies and they, too, are moving slowly, while longiflorums were never so plentiful in July, although the principal cause may be that the receipts are accumulating, the only outlet being for funeral work. Gladioli are not yet in heavy supply. Since the weddings were over there has been a plenty of green.

And still it rains! The continuance of almost daily heavy rains is causing increasing concern to local growers. Not only is the fall of water injuring all stock in the fields but it is retarding indoor work. Those who have not benched chrysanthemums and replanted roses are having a hard time to get soil in fit condition for use. Many growers would bench carnations, rather than leave them out in the wet, if the soil was in shape.

Frank Holy, who had two stores on the southwest side, died at five o'clock last Saturday morning of pneumonia. He was 51 years of age, a native of Bohemia, and had lived in Chicago for twenty-seven years, being engaged in the retail flower business nearly all of that time. He leaves four sons and four daughters, who will continue the business.

Freight does not enter largely into the florists' business, but, nevertheless, much inconvenience has been caused to builders, boiler makers, and others by the freight handlers' strike. No goods could be shipped out of Chicago in the early days of this week.

Kennicotts have had considerable water in some portions of their place during the recent heavy rains. When they have finished the improvements now under way they intend that the basement shall be absolutely water and gas proof.

P. J. Saunders, whose greenhouses at Cottage Grove and Fiftieth street have been demolished, is now located in a store on Cottage Grove just south of Forty-seventh street, under the name of N. Saunders.

The Moninger Company is very busy with hurry-up orders for greenhouse material. They say that one disadvantage of prosperity is that the factory hands are too independent to work overtime.

C. A. Roth, of Columbus, O., who was caller this week, expects to go eastward, visiting a number of the principal cities, and will leave for the Asheville convention with the New York contingent.

Despite reports to the contrary, there was no quarterly meeting of the Horticultural Society of Chicago last Tuesday afternoon, but flower show matters are progressing satisfactorily.

W. N. Rudd says that they will have all the carnations benched at Mt. Greenwood Cemetery by July 15, the work having been begun in earnest last Monday morning.

Wm. A. Peterson, accompanied by Ben. Gage, Jr., of his staff, is sailing on Barnegat Bay, in New Jersey. They visited a number of nurseries en route east.

At last reports Deamud was still selling pæonias. The last of them did not do very well but he sold many thousands of dozens from Joliet this season.

John Muno is usually the first grower in this vicinity to begin replanting roses and he has his new stock now all on the benches and looking fine.

Mrs. C. L. Washburn is at Athelstane, Wis., where she has been several summers and where Mr. Washburn can run up for over Sunday.

Charles W. Erne, of E. H. Hunt's, is carrying his left arm in a plaster cast as the result of an accident on July 3 which broke a bone.

Flint Kennicott is spending the summer at The Grove as usual and says there is no lack of moisture anywhere north of town.

John Reitmeyer says that he has about all the greenhouse building in hand that he can handle in the next few weeks.

H. C. Egan, son of W. C. Egan, of Highland Park, was a successful participant in the golf games last week.

John Brod, at Niles Center, is getting well along with his new range of houses.

Wietor Brothers have planted 7,000 Timothy Eaton chrysanthemums.

Visitors: Victor Wayman, Madison, Wis.; P. Kapsalis, Milwaukee; R. S. Mackintosh, St. Anthony Park, Minn.

MONTPELIER, VT.—Ernest Jackobsen's flower store was burglarized one evening recently. The loss was $25 and a watch.

New York.

BUSINESS VERY DULL AND STOCK HARD TO MOVE.—RECEIPTS ARE LARGE.—SUMMER FLOWERS ABUNDANT.—CUT FLOWER COMPANY HAD GOOD YEAR.

About all there is to tell in New York this week will be found in the "Pastimes" column. Outside of the club excursion, and that of the Bogart employes, which took place two days later, there is little of general interest going on. Business is as dull as it can be and the embarrassment is accentuated by the very heavy receipts of flowers, which far exceed any previous record at this date. They serve the purpose of keeping the wholesalers on the anxious seat all day as to their disposal but it cannot be expected that their sale will enrich the growers to any extent. Summer flowers, such as asters, auratum lilies, hollyhocks, gypsophila and so forth, add volume to the accumulations of roses, carnations and sweet peas.

The New York Cut Flower Company's annual meeting was held on Monday, July 7. Eugene Dailledouze was elected president, Henry Hentz, Jr., vice-president, and Mr. Hillman succeeds himself as secretary and treasurer. A very profitable year was reported and the treasurer's statement was very gratifying to the stockholders.

Philadelphia.

FLORAL EXCHANGE PLANTING LARGE ADDITIONS TO RANGE.—PINK BEAUTY WINNING INFLUENTIAL FRIENDS.—WEATHER HOT AND VACATIONS IN ORDER.—BUSINESS DULL.—LITTLE GOOD STOCK.—PERSONAL AND OTHER DOINGS.

The Floral Exchange has completed, and is planting Beauties in, the new house 63x300. It is a little different in the matter of uprights and braces from the one erected a year ago, but in the main the house is the same. Roses have done admirably in this house and it has fulfilled expectations in every way. Another range, ridge and furrow style, 60x100 and consisting of seven houses with no dividing walls is also finished and being planted. They have planted 12,000 Beauty and 10,000 Queen of Edgely. More of the Queen would have been set out but a large batch of the cuttings met with a mishap and this, together with a large demand, entirely cleaned them out. Myers & Samtman have planted about 5,000 Queen of Edgely and are very much pleased with the way the stock is looking. A few trial plants last season paid them very well and they say that almost the entire crop for next season is engaged. Edwin Lonsdale is also in line with 1,500, he being satisfied that it is quite equal to the Beauty as a money getter.

Edward Habermehl had a trying experience the past week, as he came near losing his three-year-old daughter by abduction. It seems a colored man who worked for him was discharged for cause and, threatening to be revenged, attempted to steal the little girl. The attempt failed, however, and the police are hot on his trail.

Business is good for the season of the year and very little good, or comparatively good, stock goes to waste. There are a few Kaiserin and Liberty roses about, as well as some Carnots that can be offered without apologies, but these, with sweet peas and some lilies and a few asters, complete the assortment.

It is red hot with us at present and how to keep cool is now the principal

topic. Many are taking short trips to the country and seashore. John Westcott and family, together with Mr. and Mrs. John Habermehl and family, spent a few days at the Commodore's cottage at Waretown last week.

The H. A. Dreer Company is doing all it can to cultivate a taste for perennials and each week during the summer one of the windows of the store is filled with flowers from the grounds at Riverton. All the specimens are correctly labeled and attract much attention.

George Waterfield has taken the old Butler place, adjoining Mr. Lonsdale's, and put it in complete repair. John Fertsch is back to his old love again and will help Mr. Waterfield make the old place blossom the coming season.

Charlie Grey, of Leo. Niessen's staff, is taking a team of ball players out to play the hustlers at Robt. Craig & Son's, Forty-ninth and Market, next Saturday.

Leo. Niessen is handling a lot of lilac candytuft that is very pretty and appropriate for funeral clusters and designs.

The interest in the national convention continues and from what we hear it seems that quite a number will take their vacation in the "land of the sky." K.

Indianapolis.

OBSEQUIES OF THE LATE WILLIAM BERTERMANN.—MANY FLOWERS.—DOINGS OF THE GROWERS —CLUB PLANS OUTING.—VARIOUS NOTES.

The funeral of the late William G. Bertermann was held Saturday afternoon, July 5, from the residence of John Bertermann. Among a large number of friends and relatives were thirty members of the State Florists' Association, many of whom came from outside the city. Floral contributions were very numerous. A token from the society was a large broken column. It was a beautiful piece of work and Mr. Billingsly is to be commended. In place of the regular meeting in August a memorial meeting will be held by the society.

H. W. Rieman, who is remodeling his store, putting up an 80-foot brick smokestack, adding two new boilers and a large rose house, is getting along nicely with his work.

Baur & Smith are progressing well with their large carnation house. As it departs in many respects from the usual style, its building is being watched with interest.

The annual outing of the florists will take place July 23 at Broadripple Park.

The market is very dull, hardly any of the florists being in their places.

E. A. Nelson is camping and fishing on the Kankakee river. H. J.

Detroit.

TRADE HOLDS UP IN MOST UNUSUAL FASHION.—MUCH WEDDING WORK.—STOCK OF FAIR QUALITY AND GOOD SUPPLY.—CLUB MEETING.—VARIOUS NOTES.

Extraordinarily good trade still holding up gives little indication of the summer season being upon us, although it is true that funeral work comprises the most of it. There is, nevertheless, considerable doing in other work, including decorations for weddings, the season for the latter seeming to continue longer than in other years. Of flowers there is a good supply at present, of carnations of excellent quality and roses, fair for summer season. Some good candidum and auratum lilies are on the market and sell well. Greenhouse operations are being seriously hindered by the incessant rains, occurring nearly every day during the past month. Many fields of carnations are much of the time under water and serious loss in that line is already apparent.

The club meeting Wednesday evening was well attended. Interest centered upon the coming convention at Asheville, many signifying their intention of going. Another outing was arranged to take place at Bois Blanc Island down the river on July 22. The trip will be by boat and a programme of amusements will be indulged in during the day.

Geo. A. Rackham and wife are on a visit to their son, Avery, at Summit, N. J. Before returning they will visit New York and other points of interest east.

A. Hupprich, the Michigan avenue pot manufacturer, is laid up with an acute attack of rheumatism.

Visitors: Chas. B. Weathered and Leopold Oesternei, New York; Harry D. Byers, Dayton. J. F. S.

St. Louis.

TRADE DULL BUT STOCK NOT OVERPLENTIFUL.—CARNATIONS UNDER THE DEMAND.—ROSES GOOD —NEW GREENHOUSES AT BOTANICAL GARDEN.—VARIOUS NOTES.

Trade this week is somewhat at a standstill. Stock is improving but there is still a shortage on white carnations. Roses are much more plentiful than carnations. Some very fine Flora Hill, Ethel Crocker and Triumph are coming in and the best being as high as $2 per hundred. Some very fine Golden Gate, Liberty and Bride roses are coming in but the first named are by far the best sellers and also best blooms. The best bring $5 to $6 per hundred. Very few Beauties are to be had. Gladioli are quite plentiful, and asters very good.

The new greenhouses that are being put up at the Missouri Botanical Garden are well under way and will make a fine addition. They will be used for growing purposes only. The aquatics here and in Tower Grove Park are fine as are also the new collections of roses in both of these parks.

The daily rains that we are now having are doing worlds of good to all plants outdoors and carnations in the field are showing marked improvement.

Mrs. John Young fell down stairs last Sunday, breaking her left arm and cutting her head.

Geo. Whiteman, formerly with F. M. Ellis, is now with H. G. Berning.

Alex. Siegel has closed his store for the two summer months. R. J. M.

Buffalo.

TRADE CONDITIONS SHOW THAT SUMMER HAS ARRIVED.—A WEDDING.—VACATION SEASON IS AT HAND.—PERSONAL AND OTHER DOINGS.

Summer is here in every sense of the word. Trade kept up until the last day of June in very good shape and the stores had about as good a season as last year, when the Pan-American made some extra business. There is a very fair supply of flowers, roses, carnations and fine sweet peas, which are greatly improved by the rain.

Will H. Grever, so many years with Adams and now the working partner of W. F. Bullock & Co., and Miss Emma Wagner, a very charming young lady, were married recently.

Palmer started the early closing on July 1, and has locked the door at 6:30 whether any others did or not. Of course not all close early.

Phil. Breitmeyer, of Detroit, has been paying his yearly visit to relatives in this city.

S. A. Anderson and family are going to Willow Bay for an outing.

J. H. Rebstock and family are now at Crystal Beach. BISON.

Cleveland.

FUNERAL WORK THE ONLY CAUSE OF ACTIVITY IN RETAIL STORES —ROSES OF VERY LOW GRADE.—CARNATIONS READY FOR BENCHING.—GREENHOUSE BUILDING.—NOTES.

Vacations, renovations and early closing are the order of the day among the store men, for there is nothing doing outside of funeral work and a few shipping orders, but it is almost impossible to get stock good enough for shipping at the present time. The last few days of scorching hot weather placed the rose business *hors de combat*. Carnations are fair, especially the pink varieties. White is very scarce. Early planting of carnations is contemplated by the growers this year. While a great many plants have suffered somewhat from the continuous rains during June, yet what remain are, on the whole, in fine condition. The J. M. Gasser Company, The Essex Greenhouses and several other growers have plants of sufficient size for immediate benching.

The J. M. Gasser Company hopes to have its new range of 50,000 feet of glass completed in a couple of weeks. The inclement weather is responsible for the delay.

H. A. Hart has given up the notion of building this year and will confine his efforts to getting things in ship-shape order for the next season's campaign.

G. W. Smith, the hustling Wade Park Avenue florist, is adding another house 9x65 for ferns, also a show house to his neat establishment.

Harry B. Jones has gone on a month's vacation, which will include a trip down the St Lawrence.

Adam Graham is getting uneasy and it would not be a surprise to see a house or two go up shortly. ECHO.

SALEM, MASS.—The Salem Floral Company, Essex street, has discontinued business.

LANDISVILLE, PA. — Jacob Trout is building a greenhouse and will go into carnation growing.

MELROSE, MASS.—The annual rose show of the Amateur Gardeners' Society took place on June 17.

FERGUS FALLS, MINN.—Spencer O. Tuve, the nurseryman, and Miss Anna Magnussen were married a few days ago.

TIPTON, IND.—J. H. Bornhoeft has bought the greenhouses formerly conducted by A. C. Anderson. He was formerly in business for himself at Chicago and has since worked for Gullett & Sons, Lincoln, Ill.; Stuart & Haugh, Anderson, Ind., and the South Park Floral Company, New Castle.

PLEASANT HILL, MO.—George M. Kellogg reports this one of the best seasons he ever enjoyed, particularly for the past six weeks, on outdoor stock. He is adding 50,000 square feet of glass to his range this season and has the new Beauty houses already up and planted. His range will hereafter contain 250,000 square feet of glass.

THE AMERICAN FLORIST

SEVENTEENTH 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.

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ver space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

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-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., Chicago.

Now is the time to make the repairs.

THE success of the garden rose, with reasonable care, is very largely a matter of the selection of adaptable varieties.

ONE of the most interesting items of Cincinnati news has failed to appear in the weekly letter because of the modesty of our correspondent, Albert Sunderbruch, whose marriage with Miss Pauline Slousotmeister, of Cleveland, will be celebrated July 16.

PROF. L. H. BAILEY has announced his intention of beginning work at once upon the Cyclopedia of American Agriculture, supplementing the Cyclopedia of American Horticulture but differing from it in that it will be a book of instruction rather than a reference work. Prof. Bailey told the nurserymen in convention at Milwaukee that the aim of his life is "the spiritualization of agriculture."

Summer Advertising.

There is a trade in summer as well as in the fall or spring—not so much of it, to be sure, but trade there is, and trade is what every advertiser wants. If there is not so much going during the heated term, then there is so much the greater reason why dealers should advertise to catch what is going.—*Printer's Ink.*

Chicago to Asheville.

Everyone from the west and northwest is invited to join the Chicago party to the S. A. F. convention. If you buy through tickets see that they read via Big Four railroad Chicago to Cincinnati. Write E. F. Winterson, 45 Wabash avenue, or the AMERICAN FLORIST and accommodations will be reserved for you on the cars from Chicago, which will be a part of the special train from Cincinnati to Asheville.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

H. Beaulieu, Woodhaven, N. Y., registers the following named dahlias: Alexander Wallace, show; large flower, color bright red; stem fourteen inches or more; plant four feet high; bloomed in four months from seed and last year flowered steadily from July 12 till frost. Uncle Sam, cactus; color carmine, growing lighter; early and continuous bloomer, never growing over two feet in height. Mrs. E. T. Royle, show; flower three inches across, color of Daybreak carnation; height two and one-half feet; early, free bloomer.

WM. J. STEWART, Sec'y.

Completes the List.

ED. AM. FLORIST:—I enclose check to renew my subscription to the AMERICAN FLORIST. I take a number of papers and magazines but my list would not be complete without this one.

Marlboro, Mass. W. L. LEWIS.

Piping For Ordinary Temperature.

ED. AM. FLORIST:—How many 2-inch flows and 1¼ inch returns will it take for two connected houses 15¼x100, six feet to eaves and ten feet five inches to ridge? The location is central Ohio and the temperatures required are those for roses and carnations. The boiler is a Kroeschell No. 5. A. & S.

For a 15¼ foot rose house three 2-inch flows and twelve 1¼-inch returns will be needed. Three flows and eight returns will suffice for carnations. If new pipe is to be obtained it will be better to use either eight 2-inch or ten 1½-inch return pipes for the rose house, and six 2-inch or seven 1½ inch in the carnation house.

L. R. TAFT.

Greenhouse Building.

Springfield, Ill.—A. C. Canfield, range of houses.

Mentor, O.—John Merkel, one house 20x120.

Landisville, Pa.—Jacob Trout, carnation house.

Marlboro, Mass.—W. L. Lewis, house 25x80.

Washington, D. C.—J. R. Freeman, two houses 25x100.

North Leominster, Mass.—E. L. Durkie, one house.

Philadelphia, Pa.—J. L. Milner, four houses.

Rhinebeck, N. Y.—W. R. Tremper, violet house.

Fryeburg, Me.—W. Tarbox, one house.

Springfield, Mass.—Forest Park, house 24x100

So Manchester, Conn.—S. L. Cheney, vegetable house 40x100.

Whitman, Mass.—R. E. Moir, one house 150 feet long.

Areca Lutescens.

ED. AM. FLORIST:—What is the best temperature in which to grow Areca lutescens? What does it require in the way of soil and watering? F. A. C.

This palm grows best in a temperature of 65° at night, a higher temperature than this making the foliage soft and also encouraging attacks of red spiders. In zero weather we prefer to let the areca houses fall in temperature to 60°, but consider this the minimum to produce good results. When using no artificial heat, say from June 1 to the latter part of September, a little ventilation is kept up throughout the night in order to avoid too much condensation of moisture on the foliage, and during the day abundant ventilation is given. A good rose soil will grow Areca lutescens, and the safest fertilizer is short stable manure, though chemical fertilizers and bone dust are also used to some extent, but it is well to use the latter with caution, for it is quite possible to over-do the enrichment of the soil for arecas with the chemical preparations and bone dust. Arecas should never be allowed to become very dry at any time, there being more danger of injury from dryness than from over-watering with any well established palm. W. H. TAPLIN.

The American Chrysanthemum Exhibition.

We are pleased to learn that very satisfactory arrangements have been made by the Horticultural Society of Chicago for holding its next fall show and the first exhibition of the Chrysanthemum Society of America at the Art Institute, November 4-8 inclusive. The terms are more advantageous to the society than those made in any former year. The main exhibition hall is sixty feet wide by 220 feet long and thirty feet high, with an annex 40x80 feet. The conference hall—a beautiful and commodious chamber—in the same building can be secured for meetings and discussions as may be found necessary. More delightful and appropriate surroundings for the great chrysanthemum renaissance of America could hardly be imagined and the building is located in the very best section of the city for the accommodation of visitors of every class and from every direction. The preliminary list of premiums has been out for some time and copies of same may be had by addressing Edwin Lonsdale, Sec'y, Chestnut Hill, Philadelphia, Pa., or E. A. Kanst, assistant secretary, 5700 Cottage Grove avenue, Chicago.

Will Build Greenhouses.

The rapid increase in the business of greenhouse construction has, in the past few years, led to the organization of a number of new concerns for the purpose of supplying the demand for buildings for horticultural purposes. The latest addition to the firms in the field is the Pierson-Sefton Company, of Jersey City, N. J. The president of the corporation is Lincoln Pierson, for twelve years secretary of the Lord & Burnham Company, Irvington, N. Y.; the vice-president is Paul M. Pierson, the well-known rose and carnation grower of Scarborough, N. Y., and the secretary and treasurer is William Sefton, for the past six years superintendent of manufacturing and construction for Hitchings & Company, New York. The Pierson-Sefton Company has purchased the patents of Paul M. Pierson and has a number of others pending. They have secured an admirable manufacturing site on West Side avenue, Jersey City, and have equipped their factory to give them facilities for a large output during their first season.

Meeting of American Botanists.

Section G of the American Association for the Advancement of Science, with the Botanical Society of America, met July 1, in the Phipps Hall of Botany, Carnegie Institute, Pittsburg, Pa. The session was chiefly given over to the Botanical Society of America, and some interesting papers and discussions were heard. Many of the papers were illustrated either by blackboard drawings or by plates and photographs.

Past President Dr. B. D. Halsted read an interesting paper on "Two Centuries of American Botany." His paper dwelt upon the rudimentary state of botany years ago, and of its gradual growth and development into the science it is to-day. Other papers heard during the day were: "The Relations of the Botanical Associations of the Country," J. M. Coulter; "Suggestions for Ecological Cartography," H. C. Cowles; "Fossil Ferns From the Laramie Group of Florence, Colorado," Arthur Hollick; "The Genus Gymnogramma and Its Treatment by English Botanists," L. M. Underwood;

"Studies on Reproduction of Gemmæ of the Prothallus of Ferns," Mrs. E. G. Britton; "Tea Fermentation," by Dr. R. H. True, read by Dr. H. M. Richards; "Some Disorganization Products of Plant Cells," A. F. Woods; "Studies in Cyperus and Other Cyperaceæ," N. L. Britton; "A Disease of Catalpa Speciosa," H. von Schrenk, and "The Geysers of the United States," by Miss V. S. White, was read, the author being unable to be present.

The Botanical Club of the association met in the morning at the Botanical Hall. The following papers were read: "Notes for Class Demonstration Material," M. T. Cook; "The Eastward Spread of a Fungus Grass Disease," Dr. F. L. Stevens. A new method for mounting algæ was described. J. A. Shafer, of Carnegie Institute, exhibited interesting specimens of plants rare in Pennsylvania. President Shearer spoke of a new fern. By vote of the society an annual grant of $500 has been made for the advancement of botanical research.

OBITUARY.

WM. M'ROBERTS, JR.

William McRoberts, Jr., of Govanstown, Md., lost his life on July 3 by falling into the large water tank at his place on Bellona avenue. Mr. McRoberts was a sufferer with epilepsy. While leaning over the tank he was attacked, fell into the water and was drowned. The deceased was born in Baltimore on August 20, 1854, but when about 9 or 10 years old moved to Louisville, Ky., where he lived until he was about 18 years old. He then moved to Indiana, where he remained for about six or eight years, after which time he returned to Baltimore county. Mr. McRoberts had a half interest in the florist business with William Breckinridge, and on the latter's death took full charge of the business. He was widely known as a skillful florist and competent landscape gardener. For many years he was a regular contributor to the AMERICAN FLORIST. The Gardeners' Club of Baltimore numbered him among its active workers and for several terms he was its president. His father, who came from the north of Ireland, still lives and Mrs. McRoberts, who was the widow of the late Archibald Breckinridge, survives with three children.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (six words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1902 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—By all-around grower, 10 years in one place. Reference. West preferred. WM. KIRKHAM, 148 Dearborn St., Chicago.

SITUATION WANTED — By a thoroughly experienced young lady, who is a good designer, saleslady and book-keeper. Address G L, care American Florist.

SITUATION WANTED—By young man in commercial place, American, married, 5 years' experience. Al references. Address HUSTLER, care American Florist.

SITUATION WANTED—By a young man, age 23, in a floral store; good designer and decorator, 6 years' experience, first-class references. Address STORE, care American Florist.

SITUATION WANTED—To learn growing roses, carnations and chrysanthemums. 5 months' experience in general greenhouse work. Moderate wages to start. Address Box 391, Des Plaines, Ill.

SITUATION WANTED—As assistant decorator and designer by young man 21 years of age; not afraid of work. Seven years experience in retail stores; best references. Address K D, care American Florist.

SITUATION WANTED—A first-class grower of roses, carnations, 'mums and general stock, wants situation as working foreman. Best of references. State wages. Address R S 100, care American Florist.

WANTED—Two good carnation growers near Chicago. Address C C, care Am. Florist.

WANTED—Good designer and decorator; must be a hustler for business Box 1315, But'e, Mont.

WANTED—Married man, good gardener and greenhouse man for country place. MRS. P. R. KING, Delavan, Wis.

WANTED—Rose grower to take charge of section; steady position to right party. J. F. WILCOX, Council Bluffs, Iowa.

WANTED—Greenhouse men; steady work; will pay good wages. With or without board. Address R, care American Florist.

WANTED—Good rose, carnation, 'mum and violet grower. Want hustler; good wages to right man. SIMON HUMFELD, Muncie Floral Co., Muncie, Ind

WANTED—Two young men to work in greenhouses—Roses and carnations. State wages wanted with board. Address COLE BROS., Box 577, Peoria, Ill.

WANTED—Rose growers and helpers; also one man that understands growing chrysanthemums. The highest wages and steady work. BASSETT & WASHBURN, Hinsdale, Ill.

WANTED—A young man with some experience in greenhouse work. State wages with room and board. Must be sober, reliable and good worker. FRED. J. KING, Ottawa, Ill.

WANTED—A good florist, in a commercial place of about 35,000 square feet of glass; principally roses; wages $10 per week. Apply with references to C. HANSEN, St. Paul, Minn.

WANTED—A young man with experience, for general greenhouse work; must be sober, reliable and a good worker. State wages wanted with room. References. Address J. A. BISSINGER, Lansing, Mich.

WANTED—Assistant in rose and carnation houses, also boy to learn the business. State age and wages wanted, including board and washing. Apply to JOHN L. WYLAND, De Haven, Pa.

WANTED—August 1, a young man with some experience in greenhouse work; must be sober, reliable and good worker. State wages with room and board, and give references. TH. F. VAN DER MEULEN, Dunkirk, N. Y.

WANTED—A young man who understands something about orchid and fern growing. State where last employed and wages wanted, with board. Address J. M. GASSER CO., Euclid Ave., Cleveland, O.

WANTED—Single man to take care of about 2,000 feet of glass, garden, lawn, horse and do a few chores around house. Permanent position. Wages $30.00 per month and board and room. Address J. P. ESCH, Huron, Ohio.

WANTED—To lease, with prospect of buying, about 7,000 feet of glass, no stock, with good cottage and some land, near or within about one hundred miles of Boston. Write, stating details, GERMAN, care Wm. J. Stewart, 79 Milk St., Boston, Mass.

WANTED PARTNER—For a young man with business ability, of temperate habits and $3,500 cash to pay for his share in the business, there is a fine chance to become active partner in a good paying commercial greenhouse business in Western New York. Write only if you mean business and give references to EXCELSIOR, care American Florist.

FOR SALE—Greenhouses 4,000 square feet of glass, ground and dwelling; on electric car line and railroad; good retail business. Good chance for a young man. Address T, care American Florist, Chicago.

FOR SALE OR LEASE—Under favorable terms, florist's business at Chester, Pa., old established place, 15,000 square feet of glass, one acre of land. Good opportunity for energetic young man. Address JOHN J. LEUNEY, Chester, Pa.

FOR SALE — In Leominster, Mass., florist's business with large stock and supplies; best location in town. Owner is about removing from town and will sell out. This is your opportunity. Address A. L. WALKER, Leominster, Mass. Telephone 127-13.

FOR SALE For $6,000, good paying 8,000 sq ft. greenhouses, dwelling, barn and grounds in a city of Western New York, where a good up-to-date florist can be assured of success. Write only when you mean business and have the cash FLORIST, care American Florist.

FOR SALE—2,000 feet second-hand greenhouse glass in good condition; no putty on. Price $3.50 per 100 feet. Also pipe, from 1-inch to 4-inch, not cast stuff; fittings and sash bars. Let me hear from you if you can use any of these. CHARLES HELM, Stevens Point, Wis.

Wanted EXPERIENCED TRAVELER to sell European Plants, Bulbs, Seeds, etc., to Wholesale Seedsmen, Florists and Nurserymen. Must be of gentlemanly appearance, healthy, sober and energetic. Steady position. State references, former occupation and salary wanted. Address confidentially,

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A PINE ICE BOX

6½ ft. high, 11½ ft. long, 45 in. deep. Price $25.

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Business twelve years established; greenhouses with 12,000 feet of glass, all well kept up, near R. R. station; hotwater heating in best of condition. Carnations, callas and smilax mostly grown. Good dwelling house. If you wish to go into business, try to find out how cheap you can get this. Address

E H, care American Florist, Chicago.

SPECIAL.

We have to offer to acceptable party only, a partnership in a large, old-established and growing nursery business located near New York city. About 75 acres controlled, of which about half is owned by present proprietor and free from encumbrance. Business can be DOUBLED within a short time, (proof of which can be furnished, together with absolutely satisfactory evidence of what has been accomplished). A person of undoubted ability, either grower or salesman, especially desired.

Detailed statement of past business will be presented for inspection to such parties as Actually mean business. For further particulars and information address

Cleary & Co., 60 Vesey St., N. Y.

New Glass

FOR SALE.

We have 150 boxes glass, B. D. S. 16x18, more than we shall need for our own building, which we can offer at $4.00 per Box.

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Every advertisement represents a genuine want. It pays to answer them.

Salt Lake City.

FLORISTS ORGANIZE FOR TRADE PURPOSES —OFFICERS ELECTED.—A FLOWER SHOW FOR THE FUTURE.—MEMBERS WANTED.

The Salt Lake City Florists' Club was organized on the evening of June 27, at a meeting of about twenty members of the trade at the office of the Huddart Floral Company. Officers elected were: President, V. V. Morris; vice-president, Christopher Henerkey; treasurer, Thos. Hobday; recording secretary, Walter King; corresponding secretary, P. T. Huddart. Meetings will be held twice a month, on Friday evenings, the second and fourth, at the Huddart Company's office. The objects of the organization are similar to those of florists' clubs all over the United States. In the first place, fellowship and fraternal spirit are to be stimulated, resulting in closer business relations. The trade here is developing rapidly and many orders for stock are sent outside the city which could be filled at home, were home production encouraged and sustained. It is to be hoped that everyone in the craft will affiliate with the new organization. A flower show will be considered in due time.

Ths Salt Lake Floral Company is doing a fine business and is now adding five houses 16x165 to its plant. Mr. Mitchell says they will shortly open a retail store on Main street. V.V. Morris has the management of all their stores.

The Huddart Floral Company is renovating its place, anticipating many visitors August 12 to 14, when the Grand Lodge of Elks meets here, for Mr. Huddart is an active member of Salt Lake Lodge No. 85.

Thomas Hobday now has the entire management of the business of the B. C. Morris Floral Company.

Trade is at a standstill at present but, taking the past season as a whole, it was a very good one.

The Sugar House Floral Company is contemplating the erection of a carnation house 20x100.

Mr. Ulmer is the manager of a new firm which is erecting four greenhouses.

J. M. Lonsdale has sold out his retail store to a Mr. Bloomsterberger.

Harry Parks has sold out to F. O. Poole & Company. P. T. H.

Baltimore.

The recent rains have been very fine for outdoor stock and bedding plants look well. The Charles R. Diffenderfer place shows the best work in the vicinity.

Charles L. Seybold sailed for Europe July 8, intending to visit Paris and his old home at Stuttgart.

Trade is now rather dull.

SCHENECTADY, N. Y.—Julius W. Eger has opened a flower store at 621 State street.

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A Weekly Illustrated Journal.
ESTABLISHED 1841.
The GARDENERS' CHRONICLE has been FOR OVER SIXTY YEARS THE LEADING JOURNAL of its class. It has achieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, the information furnished is of such general and permanent value that the GARDENERS' CHRONICLE is looked up to as the STANDARD AUTHORITY on the subjects of which it treats.
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Wholesale Flower Markets

MILWAUKEE, July 10.

Roses, Beauty, med, per doz.	1.00@ 1.50
" " short "	.50@ .75
" Liberty	6.00@10.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	4.00@ 6.00
" Golden Gate	4.00@ 6.00
" Perle	4.00@ 6.00
Carnations, ordinary	1.00
" fancy	1.50@ 2.00
Adiantum	75@ 1.00
Smilax	18.00@20.00
Asparagus	65.00
Common ferns	.25

PITTSBURG, July 10.

Roses, Beauty, specials	20.00@25.00
" " extras	10.00@15.00
" " No. 1	4.00@ 6.00
" " No. 2	2.00
" Bride, Bridesmaid	1.00@ 5.00
" Meteor	.50@ 2.00
Carnations	.50@ 2.00
Asters	1.00@ 1.50
Lily of the valley	2.00@ 3.00
Harrisii lilies	10.00@15.00
Daisies	.25@ .50
Sweet Peas	.20@ .50
Smilax	10.00@12.50
Adiantum	.75@ 1.00
Asparagus	35.00@40.00

CINCINNATI, July 10.

Roses, Beauty	10.00@20.00
" Bride	2.00@ 4.00
" Bridesmaid	2.00@ 4.00
" Meteor	2.00@ 4.00
" Perle	2.00@ 4.00
" Liberty	2.00@ 4.00
" La France	3.00@ 4.00
" Kaiserin	3.00@ 4.00
Carnations	.75@ 1.50
Lily of the valley	3.00@ 4.00
Sweet peas	.20@ .25
Asparagus	50.00
Smilax	12.50
Adiantum cunestum	1.00
Common ferns	.15

ST. LOUIS, July 10.

Roses, Beauty, short stem	3.00@ 8.00
" " long stems	10.00@15.00
" Bride, Bridesmaid	2.00@ 4.00
" Golden Gate	2.00@ 5.00
Carnations, ordinary	.75@ 1.00
" choice	1.50
Asters	1.00
Hollyhocks	1.00
Ismene lilies	5.00@ 6.00
Lily of the valley	4.00
Sweet peas	.25
Smilax	12.50@15.00
Asparagus Sprengeri	1.00@ 1.50
" Plumosus	1.00@ 1.50

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Fancy fresh cut Ferns, $1.00 per 1000. Discount on large orders. Give us a trial for Ferns the year around.
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WHOLESALE FLORIST,
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24-inch stems, per doz.,		$2.00
20 " " "		1.50
16 " " "		1.00
12 " " "		.75
6 to 8-in, " per 100	$4.00	5.00
		Per 100
Brides	$2 00	4.00
Maids	2.00	4 00
Meteors	2 00	4.00
Gates	2.00	4.00
Carnations	1.00	1.50
Callas per doz.,	1.00	1.25
Auratums, per doz., 1.25 1 50		
Sweet Peas	.25	.40
Valley, select	4 00	5.00
Marguerites	.40	.50
Asparagus plumosus, per stg,		.50
" Sprengeri	2.00	4.00
Galax " 1.25;		.15
Ferns per 1000, $1.00,		.15
Adiantum	.50	.75
Smilax per doz.,	1.25	1.50

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" " 20 " "	1.50
" " 15 " "	1.00
" " 12 " "	.75
" " 6 to 8 " " per 100	4.00@ 5.00
" Brids, Bridesmaid	2.00@ 4.00
" Meteor	2.00@ 4.00
" Perle	2 00@ 4.00
" Golden Gate	2.00@ 4 00
Carnations	1.00@ 2 00
Lily of the valley	4.00@ 5.00
Harrisii	6.00@10.00
Auratums, per doz., 1.00@1 50	
Cattleyas per doz. 6.00	
Sweet peas	.25@ .40
Asparagus, per string, .50	
Adiantum	.50@ .75
Common ferns, per 100, 1.00@1.50	.15@ .20
Galax leaves, per 1000 $1.25	.15
Smilax per dozen 1.25@ 1.50	

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Roses, Beauty, extra	12.00@16.00
" " medium	5.00@10.00
" " culls	1.00@ 2.00
" Queen of Edgely	10.00@16.00
" Bride, Bridesmaid, Meteor	1.00@ 3.00
" extra	4.00@ 8.00
Sweet peas	.15@ .40
Carnations	.50@ .75
Lily of the valley	2.00@ 3.00
Lilies	3.00@ 5.00
Adiantum	.75@ 1.00
Asparagus	50.00
Smilax	10.00@12.00

PHILADELPHIA, July 9.

Roses, Tea	4.00@ 6.00
" " extra	7.00@ 8.00
" Beauty, extra	20.00@25.00
" " firsts	10.00@15.00
" Queen of Edgely, extra	20.00@25.00
" " " firsts	10.00@15.00
Carnations	1.00@ 3.00
Lily of the valley	3.00@ 4.00
Asparagus	25.00@50.00
Smilax	12.50@15.00

BUFFALO, July 10.

Roses, Beauty	6.00@35.00
" Bride, Bridesmaid, Meteor	4.00@ 8.00
Carnations	1.00@ 2.00
Sweet peas	.25@ .50
Lily of the valley	3.00@ 4.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.50

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" " medium	5.00@12.00
" " culls	.50@ 2.00
" Bride, Bridesmaid	.5.@ 6.00
" Liberty, Meteor	1.00@ 5.00
" Testout, Kaiserin, Carnot	1.00@ 5.00
Carnations	.25@ 1.00
Lily of the valley	1.00@ 2.00
Callas, Lilies	3.00@ 5.00
Sweet peas, per 100 bunches, 1.00	2.00
Cattleyas	25.00@40.00
Smilax	8.00@10.00
Adiantum	.50
Asparagus	35.00@50.00
" Sprengeri, per doz. bun.	2.00@ 3.00

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THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

WALTER P. STOKES, Pres.; C. N. PAGE, First Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

M. HERB has succeeded Herb & Wulle, of Naples, Italy, in business.

THE outlook for tuberose crops has improved somewhat with local showers during the last ten days.

HENRY A. SALZER and wife, of La Crosse, Wis., with Mr. and Mrs. Schumacher, will sail for Germany about August 1.

VISITED CHICAGO: Theo. Cobb, representing D. M. Ferry & Co., Detroit, Mich.; J. A. Robinson, with Jerome B. Rice Seed Company, Cambridge, N. Y.

C. B. COE, formerly with D. M. Ferry & Co , Detroit, Mich., resigned his position with that firm a short time ago and is now farming at Grass Lake, Mich. Theo. Cobb has succeeded him on the road.

PROF. H. J. PATTERSON, of the Maryland Agricultural College, is conducting experiments with clovers and says that the American grown seed produces the strongest plants, with the Russian superior to other imported seeds.

THE prices of some vegetables on the Chicago market last week were interesting, as follows: Telephone peas, 1½ bushel sack $2.50; Illinois State wax beans, bushel $1.30; home-grown wax beans, 1½ bushel $3.00; home-grown cabbage, crate $2.25.

Seed Work in the Department of Agriculture.

On July 1 the following changes were made in the work of foreign seed and plant introduction, the congressional seed distribution and the seed laboratory of the Bureau of Plant Industry, U. S. Department of Agriculture.

The work of foreign seed and plant introduction and of the congressional seed distribution has been combined under the head of Seed Introduction and Distribution, with A. J. Pieters, botanist in charge. Mr. Pieters has for several years been in charge of the seed laboratory. All communications in regard to the introduction of foreign seeds, plants and distribution should be addressed to Mr. Pieters, Botanist in charge of Seed Introduction and Distribution, U. S. Department of Agriculture. All communications in regard to pure seed investigations, as well as samples sent for test, either for purity or vitality, should be addressed to Edgar Brown, Botanist in Charge of Seed Laboratory, U. S. Department of Agriculture.

Nebraska Seed Crops.

A correspondent at Waterloo writes as follows, July 7:

During the month of June we have had more cold weather, together with a light frost, and more rain than we have ever experienced before during the same time of year. This put our crops back in growth and also prevented suitable cultivation to quite an extent. Last Saturday night we had what might be ordinarily classed as a waterspout. Many of our fields are flooded and our rivers are bank full and still rising. What effect this is going to have on contract crops is hard to tell. My present estimate is that we have lost fifteen per cent of our acreage. This may include some entire fields, but it will consist more largely of low spots in the different fields, on which the water has stood and destroyed the crops. We are having rain again this morning and it is hard to tell just what the outcome may be.

Generally speaking our crops started out in very fair condition, and if the rains cease we will stand a fair prospect of a good crop on the acreage remaining.

The large black squash bugs that injured the crops so badly last year, are already hurting them again this year, and in some cases have taken the crops. The melon louse is also appearing on some fields of musk melons. Every effort will be made to destroy the infected spots and save the crops if possible. This report will be followed by another if prospects change materially.

THE TALLY-HO PARTY AT THE SEEDSMEN'S CONVENTION, MINNEAPOLIS.

LA CROSSE, WIS.—The Salzer Seed Company is preparing to put up a new range of houses, having ordered the material shipped in a hurry from Chicago.

MANCHESTER, MASS.—The North Shore Horticultural Society held its annual rose and strawberry show at Lee's hall Thursday afternoon and evening, June 26. It was by far the finest exhibition yet given by the society, many of the wealthy summer residents being represented by displays indicating the high cultural attainments of Manchester's private gardeners.

Marlboro, Mass.

W. L. Lewis has about 10,000 feet of glass in his range, all in good shape, and is now adding another house 25x80. He does both a good local retail trade and a growing wholesale business.

F. B Gleason has sold out his store to Miss Grace Stevens, the young lady who worked for him, has closed his greenhouses and gone out of business.

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We have just received a large shipment in assorted sizes from 3 to 12 pounds (most of them 8 or 10 pounds) which we offer at 10c per pound. Special price on large quantities.

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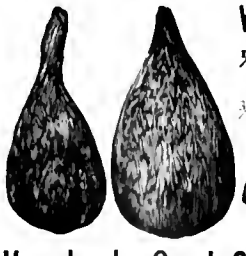

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Place Orders for CALLA BULBS.

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VAUGHAN'S "INTERNATIONAL"

Received the only reward for Mixed Pansies at the World's Fair. It is to-day better and more complete than ever. It contains the cream of the stock of 10 Pansy specialists. There is no better mixture in existence, as all the florists who saw or used it can tell you. Price per oz., $10 00; ½ oz., $5.00; ⅛ oz., $1.50; trade pkt., 50c.

VAUGHAN'S "GIANT MIXTURE."

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 had any other way. If your trade demands large flowers there is no better mixture. Price, per ¼ lb., $14.00; oz., $4; ⅛ oz., 60c; trade pkt., 25c.

VAUGHAN'S "PREMIUM" MIXTURE.

Embraces all the varieties of the Fancy German Sorts. We have sold this mixture for the past sixteen years and it has given general satisfaction. Per pkt., 25c; ⅛ oz., 80c; ½ oz., $3.00; oz., $5 50.

IMPROVED GERMAN MIXTURE.

This is a mixture of three strains from different German growers, and is made up mostly of separate colors, with a sufficiently large percentage of white and yellow. Per large pkt., 25c; ⅛ oz., 40c; ¼ oz., 60c; oz., $2.00.

MASTERPIECE—NEW GIANT CURLED.

This strain comes nearer to "Double Pansies" than anything ever introduced under that name. In reality the number of petals is the same as that in other Pansy flowers, but they are crimped and curled in such a fashion that the flowers appear double. The flowers are of enormous size, often three inches across, and the color variations and combinations are odd and striking. Pkt. 50c, ⅛ oz. $1.00.

Our Pansies, Cannas and Roses received gold medals at the Omaha Exposition in 1898 and the Pan-American Exposition in 1901.

"Vaughan's International" Primrose Mixture.

Unquestionably the best mixture of Chinese Primroses. It contains the largest variety of the best selling colors. Flowers large, beautifully fringed, borne in large clusters well above the rich green leaves. Pkt. (250 seeds) 50c; 5 pkts. (1250 seeds) $2.00.

CHINESE PRIMULA, Chiswick Red; Alba Magnifica, white; Blue, Pink, Striped. Each, per pkt. of 250 seeds 50c; 1000 seeds. $1.75

DOUBLE CHINESE PRIMULA, white, pink, red or mixed, per pkt. 50c.

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Cinerarias, Primulas, Etc.

Our strains of the following important florists' flowers have been selected with the greatest care and nothing finer in quality can be had at any price:

		½ trade pkt.	Trade pkt.
CINERARIA,	Dreer's Prize Dwarf	$ .60	$1.00
"	Dreer's Prize Tall	.60	1.00
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"	Dreer's Choice Tall		.50
CALCEOLARIA,	large flowered tigered and spotted	.60	1.00
		100 seeds	1000 seeds
CYCLAMEN GIGANTEUM,	pure white	$ .75	$6.00
"	" rose	.75	6.00
"	" blood red	.75	6 00
"	" white with carmine eye	.75	6.00
"	" finest mixed	.60	5 00

CHINESE

FRINGED PRIMULA.

Half trade packet of any of the following, 60c.
Full trade packet of any of the following, $1.00.
A trade packet contains from 500 to 1000 seeds, according to the variety.

ALBA, pure white.
ALBA MAGNIFICA, an extra fine white.
RUBRA, dark red.
CHISWICK RED, bright scarlet.
RUBRA VIOLACEA, iridescent red.
ROSY MORN, delicate pink.
KERMESINA SPLENDENS, crimson.
HOLBORN BLUE, odd shade.
FERN-LEAVED, mixed colors.
DREER'S CHOICEST MIXED, a grand mixture containing nothing but the best sorts.

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Carnation Grower,

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Carnations, Geraniums Cannas, Etc.

Prices quoted upon application.

The Cottage Gardens, Queens, L. I.

OUR DIECTORY FOR 1902 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE TWO DOLLARS.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

CHAS. A. ILGENFRITZ, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y. Twenty-eighth annual convention, Detroit, Mich., June, 1903.

VISITED NEW YORK: Chas. A. Maxson, of the Central Michigan Nursery, Kalamazoo, Mich.

THERE promises to be more fall planting this year than ever before. Orders for ornamental stock are coming along nicely.

EVERY nurseryman doing a retail trade should have a show ground. The visitors' appreciation will be apparent in the increased facility with which orders are booked.

PROF. L. H. BAILEY says that the American Association of Nurserymen should establish a bureau of publicity, to inform the members of constantly changing conditions and to aid in the development of new fields.

J. H. HALE is figuring on marketing some peaches this year. He estimates the probable crop of his Georgia orchard as 75,000 bushels, of his orchard at Glastonbury, Conn., at 25,000 bushels and of his Seymour, Conn., orchard as 20,000 bushels.

WILLIAM PITKIN, of Rochester, N. Y., secretary of the Eastern Nurserymen's Association, says that there is misapprehension as to the New York fumigation law. He says it requires all New York grown nursery stock to be fumigated if infested or grown near an infested place; also that all stock shipped into the state shall be fumigated by the party receiving it if it does not bear a certificate of fumigation. That is all there is to it.

The Gypsy Moth.

When the available funds gave out and the work of moth extermination was temporarily suspended last week in Malden, Mass., the school children had brought in over 2,000 quarts of gypsy moths, for which they were paid 10 cents a quart. This gives a faint idea of the magnitude of this nuisance which, without constant and pers stent fighting, is bound to spread over the whole country, causing inestimable destruction. On a visit to Malden a few days ago the ravages of the insect were impressively apparent in many localities. One colony on Glenwood street had completely stripped oaks, elms, apples and even pines and on Glen street, in addition to a similar destruction, the grass was also completely gone as though it had been swept by fire. At the Malden entrance to Middlesex Fells and for a distance of 100 feet into the reservation all the trees were stripped bare and an arbor-vitæ hedge left without a vestige of green attested the indiscriminate voraciousness of the pest. Although 17,000 egg masses were collected from the Dutton estate this spring, the caterpillars are now crawling over the sidewalks and buildings in vast patches, so close that they touch each other and at the railroad station it is found necessary to sweep the platforms half a dozen times a day. The worms dropping from the trees onto wagons, cars and clothing, are carried to other places more or less remote and thus the trouble is rapidly spreading.

Cincinnati.

HOT WEATHER PUTS A QUIETUS ON TRADE.—CUT FLOWER STOCK POOR.—REGRET AT DEMISE OF MR. BERTERMANN.—PERSONAL NOTES.

With the mercury hovering in the nineties in the shade we think more of seeking the ice cellar than we do of business. It is certainly very hot and of course trade, in consequence, has fallen off considerably. Stock received is very poor and getting worse every day. This, however, is to be expected for this time of the year and now we can get ready to clean shop Frank Ball, of the Cincinnati Cut Flower Company, has already started to have things painted and cleaned up Frank wants his vacation pretty soon and that is the reason he is hustling.

We notice by the last issue that Wm. Bertermann, of Indianapolis, has passed away. He was well known in our city and leaves a host of friends to mourn his demise. I take this method of extending the sympathies of the craft in this city to the bereaved family.

At a recent funeral in this city we noticed a bunch of longiflorum lilies which contained 250 blooms. Quite a good sized bunch.

Miss Cronan has sold her interest in the ice business and will now devote her entire time to her flower store.

J. A. Peterson is first in the market with asters. He sent in the first lot Tuesday, July 8.

S. S. Skidelsky spent the Fourth in town and says he did not get much sleep.

D.

WILLIAMSBURG, IA.—Hugh G. Williams, a nurseryman of this place, was married July 2, at Iowa City, to Miss Mabel Thomas.

....AN....

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TO a successful wholesale business is an up-to-date, accurate, complete Trade Directory. Such a book, 418 pages, containing the name and address of every florist, nurseryman and seedsman in America, new list of private gardeners and horticultural supply concerns and much other information will be mailed from this office on receipt of $2.

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Importers and growers of Choice Hardy Perennials. Native Trees, Shrubs, Specimen Evergreens. We grow large quantities of Iris, Paeonias, Tritomas, Phlox, Delphiniums; stock is perfectly hardy, true to name. Send for Special Catalogue of New Hardy Alpin Iris, now in the press. STOCKBRIDGE, MASS., U. S. A.

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ORNAMENTAL AND FOREST TREES A SPECIALTY.

Conifers, Evergreens, Hollies, Etc.
Prices on Application.

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HOLLAND.

SPECIALTIES ARE: Conifers, Evergreens, Hardy Shrubs, Lilacs, Ornamental Trees, Fruit Trees in different forms, Azaleas, Rhododendron Ponticum and Hybridum.

Please send list of your wants and write for general catalogue. We will make you special offers. Write to

GROENEWEGEN & ZOON,
De Bilt, near Utrecht, Holland.

All The Best **CARNATIONS**

Orders booked now for fall delivery.
SEND FOR PRICES.
Rotted cuttings and young plants all out.

GEO. HANCOCK & SON,
GRAND HAVEN, MICH.

"MISS LOUISE FABER"

FRONT.

The Longest Stemmed and Most Fragrant Carnation in Existence

BACK.

Stems measure from 3 feet 6 inches to 4 feet. Flowers are of a beautiful pink, similar to a well colored Bridesmaid rose and average 3 1-2 inches. Continuous bloomer when once started and calyx never bursts. Will be distributed the coming spring. **Prices**—$2 per 12; $10 per 100; $75 per 1000; $500 per 10,000.

ORDERS BOOKED NOW FOR JANUARY DELIVERY.

FICK & FABER, San Mateo, Cal.

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The only special newspaper in the world for floral arrangement.

200 ILLUSTRATIONS ANNUALLY.

Specimen number free.
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Deutsche Gartner Zeitung

The most widely circulated German gardening journal, 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 Zeitung is published weekly and richly illustrated. Subscription $3.00 per annum, including postage. Sample copies free.

LUDWIG MOLLER, ERFURT Germany

5,000 SMILAX, extra to close.
500 HIBISCUS, in 2½ to 4-inch.
5,000 SPRENGERI, 2 to 6 inch.
5,000 PLUMOSUS, 2 to 5-inch.
BOSTON FERNS, 4 to 10-inch.
Let us book your order.

GEO. A. KUHL, Pekin, Ill.

Please mention the American Florist when writing.

Lilium Harrisii

Indispensable for Early Forcing.

Our own growers pack all our Bermuda Bulbs and personally grow half our supply. Careful attention to the growing crop, weeding out diseased plants, proper grading of the bulbs when dug, business-like packing and handling, all go to make success with Harrisii. We invite your orders under these conditions. Our bulbs will pay you.

Write for Prices before closing any forcing stock orders.

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RUPP XXX SEEDS.

CHINESE PRIMROSE. Finest grown, large flowering, fringed, single and double, 15 vars., mixed, 500 seeds, $1.00; half pkt., 50c. Have also the 15 vars. separate.
CINERARIA. Finest, large flowering, dwarf varieties, mixed. 1000 seeds, 50c.
DAISIES. Finest Double Giant, pure white and rose, mixed or separate, 1,000 seeds, 25c.

PANSY, FINEST GIANTS.

The best large flowering varieties in choicest mixture; critically selected, 5,000 seeds, $1.00; half pkt., 50c. ☞CASH. A pkt. of new everblooming Forget-me-not "Constance" added to every order.

JOHN F RUPP, Shiremanstown, Pa. "The Home of Primroses."

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PAEONIAS FOR FALL...

10 distinct, best kinds, $10.00 per 100.
Poets Narcissus, dbl. & sgl., home grown, $5 a 1000.
Clematis, large flowering, $2.50 per doz.; $16 per 100.

F. A. BALLER, Bloomington, Ill.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 79 Milk St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Philadelphia.

The alleys used July 10 were more like the Florists' and the scores were better. The point winners were Anderson, Moss, Craig, Kift, Robertson, Harris and Westcott.

Player	1st	2d	3d	T'l
Moss	161	176	165	502
Watson	129	116	110	355
Anderson	155	201	154	510
Westcott	145	154	149	448
Adelberger	145	155	147	447
Harris	143	160	168	471
Dunlap	128	141	112	381
Robertson	138	146	190	474
Connor	129	138	168	435
Gibson	133	119	181	436
Kift	141	188	167	496
Polites	134	138	167	439
Craig	184	168	159	501
Habermehl	167	142	124	433

This leaves the convention team: Moss, Robertson, Starkey, Kift and Anderson, with Craig and Watson tied for the remaining place. K.

Outing of the New York Club.

Monday, July 7, was a red-letter day in the social history of the New York Florists' Club and the energetic committee which, under the lead of H. A. Bunyard, has been laboring industriously for many weeks to make a success of the club's annual outing, has now the gratification of looking back upon one of the most enjoyable picnics ever held by a florists' organization. The weather was perfect for a ride on the water and every detail of the event was carried out in good shape. Two hundred and thirty-five, not including the smaller children, was the attendance, there being full as many ladies as gentlemen. Plenty of good music was furnished on the boat by a band and a bunch of "coons" with mandolins and melodious voices. The usual sea appetites were not lacking and the first 500 sandwiches had disappeared an hour after the boat had left the dock. Dinner was served in the pavilion at Witzel's Point grove. Then the various sporting events, for which a tempting array of prizes had been provided, were in order, and there was no end of fun for the spectators. The prizes, consisting of cigars, canes, watches, fans, bicycle sundries and so forth, donated by Messrs. Sheridan, Wallace, Weathered, Bunyard, Traendly, Elliott, Scollay and Cincas & Boddington, were spread out in tempting array on a table where all could admire them.

The baseball match between the married and single men developed some wonderful performers. The married nine lined up as follows: Mellis, 2db; Scollay, c; Wheeler, p; Phillips, 3db; L. Schmutz, Jr., lf; Rose, cf; Langjahr, ss; Burns, rf; Hildebrandt, 1stb. The single men were Brant, 1stb; Guttman, c; O'Mara, rf; A. Schmutz, p; J. Manda, ss; Kessler, 3db; Roth, lf; Fennich, 2db; Haydie, cf, with Scollay for coach. Morse, umpire. The single men won out by a score of 18 to 15 but the wives of some of them will be surprised to learn of their being "single." The married men never knocked the ball outside the diamond, yet the prize for the only home run made in the game went to one of their number, Mr. Wheeler, who didn't care what became of the box of cigars but did want the "glory." Prizes for the most "base" hits went to Messrs. Traendley, Manda and Mellis.

Twenty-four ladies competed in the married vs. single ladies' bowling match, Mrs. Cook winning in the former and Miss Demusy in the latter. The three-legged race made the usual amount of sport, the winners being Masters Thielmann and Vonderschmidt. In the girls' race Miss Elizabeth Nugent and Lizzie Butterfield proved the fleetest and in the fat men's handicap the sprinters came in in the following order: Traendly, Nugent and "somebody's uncle" but it was generally admitted that Nugent made the most graceful performance. In the fat men's bicycle race Messrs. Traendly and Bunyard furnished the entertainment, the former coming in at a good pace, the latter performing a number of somersaults and other feats not provided for in the schedule. Masters Donaldson and Duncan were the winners in the boys' bicycle race. A game of quoits between Messrs. Herrington and Duckham, representing Madison, and Messrs. O'Mara and Manda, representing New York, was won by the former with a score of 21 to 11. The prize to which they were entitled, "nine-tenths of the gate receipts," has been chalked down to their credit—on the ice.

On the return trip to the city, on the steamer, the prizes were presented to the winners by Mr. O'Mara in his customary happy manner. A group photograph of the party was taken and if it is not a good one it is not the fault of Mr. Phillips, who bossed the job.

Denver.

ALL THE CRAFTSMEN PICNIC ON THE FOURTH.—FLORAL CLUB HAS AN OUTING AND PARK FLORAL COMPANY ENTERTAINS ITS EMPLOYES AND THEIR FAMILIES.

Fourth of July was a day of recreation for the Denver florists, some going to the Denver Floral Club's picnic and sixty-five employes and their families attended the Park Floral Company's picnic at Deansbury. After the sports the party sat down to a good and welcome spread, served at the hotel. After dinner toasts were in order, Mr. Valentine acting as toastmaster. John Berry responded to the toast "Our Lady Customers" but John did not say all he thought. Philip Scott responded to the toast "Holiday Made." E. J. Reynolds was called upon to give a few words on "Our Traveling Salesman" and Will Crowe spoke for "Our Visitors." His speech, though short, was very neat and he was greeted with great applause. To Warren Smith was assigned the toast "The Dreams of a Night Fireman," and in Mr. Smith's dream all came in for a good-natured roast. Mrs. Philip Scott was asked to relate a few of the "Troubles of a Florist's Wife," but as "she did not want to squeal on her husband she could not say anything." J. A. Valentine was called upon for a few remarks and, with a bundle of wit thown in, directed his remarks to those who had responded. In the games Phil Scott won the 50-yards race from scratch, and Frank Otto the boys' handicap from one yard. C. H. Garwood won the running broad jump and Roy Jackson the hop, step and jump. Roy Jackson and E. McDaniels won the three-legged race. Miss Evans won the ladies' race of thirty-five yards and Miss Evarts captured the peanut race.

About 200 people attended the Floral Club's picnic, which was held in Arlington Grove. As with the other picnic the day was given over to sports and a merry time was had. A few good old Scotsmen being present, quoits were played and the true Scots came out ahead, for they say that Mr. Graham is the champion and willing to defend his title. At any rate the club now owns the quoits and as Mr. Graham says he will lay out the grounds, matches will be frequent. B.

FORT DODGE, IA.—P. L. Larson is enlarging his range by the addition of three houses 22x74, using double strength "A" glass, 16x18. He is also putting in a new fifty horse power tubular boiler.

ASHEVILLE,
NORTH CAROLINA.

'The Land of the Sky.'

The eighteenth annual meeting American Florists will be held at Asheville, August 19th to 22d, 1902.

Low rates have been made via Queen & Crescent Route and Southern Railway. Special train, composed of Pullman sleepers, will leave Cincinnati, Monday, August 18th, 2:00 p. m., via Queen & Crescent Route, and run through to Asheville via Southern Railway, arriving at Asheville next morning 7:00 o'clock.

Members will meet at Cincinnati and all go through together from there.

For sleeping car reservations and full particulars regarding rates, write

J. S. McCULLOUGH, N. W. P. A., Southern Ry. 225 DEARBORN ST.

W. A. BECKLER, N. P. A., Queen & Cresent Route. 113 ADAMS ST.

CHICAGO, ILL.

Society of American Florists National Convention,

AUGUST 19th to 22nd, 1902,

ASHEVILLE, NORTH CAROLINA.

For this convention the "Big Four Route" (C. C. C. & St. L. Ry.) will sell tickets August 16, 17 and 18, good for return leaving Asheville not later than August 25, at reduced rates from all "Big Four" stations.

Florists' Special train will leave Chicago 8:30 P. M. Sunday, August 17th, running via "Big Four" to Cincinnati, thence via the Queen & Crescent and Southern Railways. Monday forenoon will be spent in Cincinnati, sight-seeing, etc., leaving there at 2 P. M. on the Florists' Special. Every florist should make a big effort to attend this convention, the first to be held in the beautiful Southland.

For berths in sleepers from Chicago or Cincinnati, and further information call on, or address E. F. WINTERSON, President Chicago Florists' Club, 45 Wabash Avenue, or J. C. TUCKER, Gen'l Nor. Agt. "Big Four", 231 S. Clark Street, Chicago.

CHRYSANTHEMUMS.

Nice young stock from 2-inch pots,

$2.50 PER 100.

Mrs. H. J Jones, Midge,
Alice Byron, Ivory,
Glory of Pacific, Col. D. Appleton,
Mrs. H. Robinson, Yel. Fitzwygram,
Maud Dean, Xeno,
Yellow Jones, Modesto,
Pres. Smith, Lavender Queen,
Viviand-Morel, Nagoya,
Marion Henderson, Yanariva,
Geo. S. Kalb, Mrs. E. D. Smith,
Mrs. S. T. Murdock.

NATHAN SMITH & SON, Adrian, Mich.

SURPLUS STOCK OF

Forcing Roses

A No. 1 Plants in 2 1-2-Inch Pots.

BRIDES, $2.50 per 100.
MAIDS, $2 50 per 100.
KA SERINS, $3.00 per 100.
METEORS, $3 00 per 100.
AUG. GUINOISEAU, $3.00 per 100.

This stock is carefully grown and was intended for our own use.

J. B. HEISS, The Exotic Nurseries,
DAYTON, OHIO.

Please mention the American Florist when writing.

YOUNG ROSE Stock

Cuttings from Grafted Plants.

3-inch Maids, Brides and Meteors, $5.00 per 100; $45.00 per 1000.
3½-inch Maids, Brides and Meteors, $6.00 per 100; $55.00 per 1000.

ADIANTUM CUNEATUM.

6-inch pots, $35.00 per 100.

Cash with order. Send for sample.

The F. R. Williams Co.
CLEVELAND, OHIO.

A FEW GOOD THINGS YOU WANT.

KENTIA Belmoreana and Forsteriana, also Areca Lutescens, 3 plants in a pot, extra clean and well grown plants, 2½, 3, 4 and 5-in., $8, $15, $30, $50 $75, $100 to $125 per 100.

REX BEGONIA, 2 and 3-inch, $4 and $6 per 100.

BOSTON FERN, $4, $8, $15 and $30 per 100 for 2, 3 4 and 5-inch.

FERN, Cordata Compacta, 2 and 3-inch, $4 and $10 per 100.

ASPARAGUS Plumosus, 2-inch, $5; 3-inch, $8. Sprengeri, 2 inch $3; 3 inch, $5, per 100.

DRACAENA INDIVISA, 3, 4 and 5-inch, $6, $10, $25 per 100.

ENGLISH IVY, 2 and 3-inch, $3 and $6 per 100.

A full line of the best bedding **GERANIUMS** for stocking up, 2-inch, $3; 3-inch, $5 per 100.

SMILAX, Vinca Var., Campbell Violets, Lobelia, Coleus, Alternanthera, Ageratum, Scarlet Sage, Lemon Verbena, Giant Alyssum, 2-inch, $2; 3-inch, $4 per 100.

Let me price your wants. Cash or C. O. D.

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

Please mention the American Florist when writing.

ASPARAGUS PLUMOSUS

3-inch strong, $5.00 per 100.

SMILAX, 2-inch, strong, $1.50 per 100.

BONE MEAL. Best in the market for Florists' use, $3.50 per 200 lb. bag.

ALBERT M. HERR, Lancaster, Pa.

SMILAX 2-inch, $1.00 per 100.

ROSES Brides and Maids, 2-inch, $2.00 per 100; $18.00 per 1000.

McALLISTER & COMPANY, Batavia Ill.

Please mention the American Florist when writing.

KENNICOTT BROS. CO.

Wholesale Commission Florists

and Dealers in All Kinds of Florists' Supplies.

42 and 44 East Randolph St., Chicago.

Roses

Strong healthy plants from 3-inch pots, $5 per 100: La France, Golden Gate, Bride and Maid, American Beauty, $7 per 100. Smilax, 3-in. pots, $3 per 100. Oriental Pepper, 3-inch pots, $3 per 100. Rubber Plants, 18 to 24 inches, $5.00 a dozen; 24 to 30 inches, $7.00; 30 to 36 inches, $9 per doz.

JOSEPH HEINL, Jacksonville, Ill.

100,000 SMILAX.

Strong plants from 2½-in. pots, ready for planting, $1.25 per 100; $10.00 per 1000; $45 00 per 5000.

The W. T Buckley Plant Co., Springfield, Ill.

BEGONIA GLOIRE DE LORRAINE,
Begonia Light Pink Lorraine,

For June and Later Delivery,
$15.00 per 100; $140.00 per 1000.

Edwin Lonsdale, Wyndmoor, near Cheatnut Hill, Pa.

BEGONIA GLOIRE DE LORRAINE,

2¼-inch pots, $15.00 per 100.

Write for prices on large lots. Stock guaranteed absolutely free from disease.

THOMAS ROLAND, Nahant, Mass.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser."

This is the British Trade Paper, being read weekly by all the Horticultural traders; it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage 75c. Money orders payable at Lowdham, Notts.

Address **EDITORS OF THE "H. A."**
Chilwell Nurseries. LOWDHAM, Notts. England.

GARDENING

This is the paper to recommend to your customers, the leading horticultural journal in America for amateurs ....

$2.00 Per Year. Sample Copies Free.

Liberal terms to florists who take subscriptions.

THE GARDENING CO. MONON BUILDING, Chicago, Ill., U.S.A.

ONION SETS—NO MORE OF THEM.

Sow my Hardy White Onion.

SEND FOR CIRCULAR.

BEAULIEU, the Pansy Man, WOODHAVEN, N. Y.

List of ROSES

NOW READY TO CLOSE OUT.

Look it over and write us your wants.

METEORS, 650 2-inch; 300 2½-inch
BRIDES, 2,400 2-inch; 1,700 2½-inch.
MAIDS, 1,000 2-inch; 1,000 2½-inch.
KAISERINS, 150 2-inch.
PERLES, 800 2½-inch.
AMERICAN BEAUTIES, 1,300 2-in.; 1,700 2½-in.
LIBERTY, 1,400 2-inch.
GOLDEN GATE, 575 2-inch; 750 2½-inch.
LA FRANCE, 400 2-inch.
BELLE SIEBRECHT, 175 2-inch; 550 2½-inch.
SOUPERT, 50 2½-inch.

GEO. A. KUHL, PEKIN, ILL.

FANCY and DAGGER FERNS
75 CENTS PER 1000.

BRONZE OR GREEN GALAX $1.00 PER 1000.

LAUREL FESTOONING, just the thing for summer decorations, only 4, 5 and 6c per yd. Discount on ferns and laurel in large quantities.

Millington, Mass.
Tel. office, New Salem.

Please mention the American Florist when writing.

SPECIALTIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery,
CHRYSANTHEMUMS,
SMILAX, VIOLETS.

In Best Varieties

Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.

Please mention the American Florist when writing.

ELECTROS...

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO.,
.....324 Dearborn St., CHICAGO.

Pittsburg.

BIG GROWERS MAKING MANY PREPARATIONS FOR ANOTHER PROSPEROUS SEASON.—CARNATIONS ON THE BENCHES IN UNGLAZED HOUSES.—TRADE NARROWED DOWN TO FUNERAL WORK.—VARIOUS NOTES OF VARYING INTEREST.

The Pittsburg Rose and Carnation Company is constructing one rose and four carnation houses. The carnation houses are without partition walls. The rose house will measure 50x450 feet and the carnation houses will be 50x350 feet. Iron frames and iron gutters will be used. Iron gutters are a novelty in this section, as only houses of very recent construction are equipped with them. In the four carnation houses the stock is on the benches, and all that is necessary to complete them is the glazing. In addition to the above a new 200 horse-power boiler is being placed and a new ice house erected. The room for storing the daily cut is 20x30 feet. The activity displayed in construction and improvement of the plant seems to indicate the company's confidence in another good season.

Business is at a standstill and the occasional funeral order is the only thing that breaks the monotony. The stock on the flower market is weak and sickly looking, but the weather conditions are sufficient excuse for the condition. The continuous fall of rain has ceased, and now the heat is intense. Kaiserins, Liberty and some fair Bridesmaids are to be had. American Beauties are scarce. Carnations are better than they usually are at this season, although they are becoming poorer each day. Gladioli, asters, sweet peas and lily of the valley are good and plentiful.

C. W. Ward, of Queens, N. Y., sent 1,000 Roosevelt carnations, at his own expense, to be placed on the speakers, stand, on July 4, when the president was the guest of the city of Pittsburg. When the president finished his speech and departed from the stand a rush was made for the carnations as souvenirs of the occasion. Randolph & McClements had charge of the table and general decorations at the dinner given by Attorney General Knox to the president on the same day.

Wm. Clark, of the Pittsburg Cut Flower Company, is taking his summer rest, at his summer home at Sheridan, Pa. E. L. M.

Violet Plants

WELL ESTABLISHED

		Per 100	1000
IMPERIAL	2¼-inch	$2.75	$25.00
MARIE LOUISE	"	2.75	25 00
FARQUHAR	"	2 75	25.00
SWANLEY WHITE	"	2.75	25.00
CAMPBELL	"	2.50	22.50

GRAND RAPIDS VIOLET CO.
GRAND RAPIDS, MICHIGAN.
Please mention the American Florist when writing.

Imperial Violets.
Fine, strong plants, from 2-inch rose pots, $2.50 per 100; $22.50 per 1000.
CENTRAL MICHIGAN NURSERY,
KALAMAZOO, MICH.
Please mention the American Florist when writing.

ROSE PLANTS One year old Brides and Maids, wood well ripened, cut back and in fine condition for planting.
SWORD FERNS, ASPARAGUS SPRENGERI.
J. H. BORNHOEFT, TIPTON, IND.

Cannas, Roses, Palms, Etc.

CANNAS. Strong, 3-in. pot plants, unless noted at $4 00 per 100.
Florence Vaughan, Italia,
Queen Charlotte, Pres. Cleveland,
J. D. Cabos, Sophia Buchner,
Egandale, Burbank,
Duke of Marlborough, Alsace,
Robert Christie.
Martha Washington, at $6.00 per 100.

ROSES. A general assortment of Ever-blooming varieties, strong, 2-inch and 2½-inch pots, $2.50 per 100; $20 00 per 1000.

GERANIUMS. S. A. Nutt, Mme. Barney, Richelieu, La Favorite, John Doyle, Mme. Charles Molin and Beaute Poitevine, $30.00 per 1000.

	Per 100
Marquis de Castellane	$6.00

Set of 4 New Bruants for 60c.
Set of 8 New Doubles for $1.50.
In good assortment, our choice of varieties, $27.50 per 1000.

	Per 100
PRIMULA FORBESI	$3.00
HELIOTROPES	2.00
SELAGINELLA Emmeliana	2.00
FUCHSIAS, in good assortment of varieties, 2½-in. pots	2.50
BEGONIAS—Vernon and Vulcan	2.50
LANTANAS in variety	2 50

PALMS.

Areca Lutescens, 2½-in. pots, $30.00 per 100	4.00
Areca Lutescens, 3-in. pots	8.00
Areca Lutescens, 4-in. pots., 3 plants in a pot	20.00
Kentia Belmoreana, 2½-in. pots	7 00
Kentia Belmoreana, 3 in. pots	15 00
Latania Borbonica, 2½-in. pots	3.00
Latania Borbonica, 3-in. pot, $40 per 1000	5 00
Pandanus Utilis, 2½-in. pots	5.00
Pandanus Utilis, 4 in pots	15.00
Pandanus Veitchii, 4-in. pots, $6.00 per doz.	

The Storrs & Harrison Co.
PAINESVILLE, OHIO.

WE HAVE ABOUT
2000 NICE BEAUTY PLANTS, 2 1-2 and 3-inch ....pots...
Also about 1000 METEORS, 3-inch pots, cheap.
JOHN BURTON, Chestnut Hill Phila.

CARNATION Plants.
If you want some first-class field-grown plants, send for quotations to
Michael Winandy, Corner Devon Ave. and N. Robey St., CHICAGO.

Bride and Bridesmaid
3-inch pot plants, $1 00 per 100; $35.00 per 1000.
REINBERG & WEILAND
NEW CASTLE, IND.

FIELD-GROWN
Carnation Plants
of the following varieties:
ETHEL CROCKER, G. H. CRANE,
FLORA HILL, FRANCES JOOST.
Send for samples and prices; ready for planting.
JOHN WOLF, Savannah, Ga.

American Beauty Plants.
3-in., $7.00 per 100; 2d size, $5 per 100.
Violets from 2½-inch pots Imperial, Swanley White and Marie Louise, $2 75 per 100; $25 per 1000. Lady Campbell, $2.50 per 100, $22 50 per 1000.
Crabb & Hunter, Grand Rapids, Mich.

SEEDLING FERNS Splendid strong plants, in flats, Onychium Japonicum, Pteris Tremula and Pteris Adiantoides, at $1.00 per 100 POSTPAID; $9.00 per 1000 POSTPAID. We can safely deliver them anywhere in U. S. Cash with order. Send for large catalogue of **Palms, Ferns, Decorative, Fruit-Bearing and Economic Plants and Trees** from all over the Tropics.
ROYAL-PALM NURSERIES, Oneco, Florida.

Extra Value in ROSES
Excellent well-grown stock, in the most perfect condition to plant now:

	Per 100	Per 1000
AMERICAN BEAUTIES, 3-inch, special price to close out	$5.00	
PERLES, very fine, 3-inch	5 00	$50.00
GOLDEN GATES 3-in., extra strong	5.00	5[illegible].00
METEORS, 3-inch, large	4.00	35.00
BRIDES, 3-inch	5 00	45 00
" 2¼x3-inch	3.00	25 00
MAIDS, 3-in.	5.00	45.00
" 2¼x3-in	3 00	25.00

This stock will satisfy the most critical buyers.
W. H. GULLETT & SONS, LINCOLN, ILL.

Roses STRONG AND HEALTHY.

	Per 100
150 IVORY, 3½-inch pots	$10.00
300 METEOR, 3½-inch pots	6.00
100 HOSTE, 3½-inch pots	6.00
150 GOLDEN GATE, 3½-inch pots	6.00
800 SMILAX, 2½-inch pots	1.50
1200 GERANIUMS, 3½-inch pots	5.00

P. R. QUINLAN & CO.,
SYRACUSE, N. Y.

CYCLAMEN
Persicum Splendens Giganteum. Finest strain in the world, in four true colors, well-grown plants, from 2½-inch pots, $4.00 per 100; $35.00 per 1000. Extra selected, $5.00 per 100; $40.00 per 1000. Satisfaction guaranteed.
PAUL MADER, East Stroudsburg, Pa.

S. S. SKIDELSKY,
708 N. 16th Street,
PHILADELPHIA, PA.
CORRESPONDENCE SOLICITED.

Chrysanthemum...

TIMOTHY EATON, well-rooted cuttings, $2.25 per 100. Sample 25 for 50 cts., express prepaid: Plants, $3.00 per 100, express not prepaid. All healthy and strong.

Aster Plants.

Queen of the Market, white, red, pink and mixed.

Florists' Upright Branching, outer petals recurved, center petals incurved, superb cut flower, pure white, daybreak pink, fiery scarlet and lavender.

Late Branching or Semple's, white, rose pink, lavender, red and mixed.

All the above are the best money makers for florists, strong healthy plants, assorted to suit, 50c per 100 $4.00 per 1000. Express prepaid for cash with order.

DES MOINES PLANT CO.,
38th St., Des Moines, Iowa.

'MUMS

We have a large stock of fine plants from 2½-inch pots, ready to ship on short notice. Our selection of standard varieties, $20.00 per 1000; $12.00 per 500. Write for prices on large orders Following is a partial list. Send for complete list.

T. Eaton	$4.00	R. Halliday	$4.00
Nellie Pockett	8.00	Major Bonnaffon	3.00
Lady Roberts	8.00	Philadelphia	5.00
Mrs E. D. Smith	6.00	Modesto	3.00
Golden Beauty	8.00	Nagoya	3.00
Mrs. Chamberlain	8.00	M. de Montmort	3.00
Mme. F. Bergmann	3.00	Glory of the Pacific	3.00
Willowbrook	3.00	Lady Harriett	6.00
Merry Monarch	3.00	Maud Dean	4.00
Polly Rose	3.00	Xeno	3.00
G. S Kalb	3.00	Geo. W. Childs	4.00
Ivory	3.00	Intensity	4.00
Mrs. J Jones	3.00	H. A. Parr	3.00

H. WEBER & SONS, Oakland, Md.

'Mums

Standard Varieties

White	Yellow	Pink
Fitzwygram	Maj Bonnaffon	Glory of Pacific
White Ivory	Rieman	Pink Ivory
Mayflower	Yellow Mayflower	Viviand-Morel

Mrs. Jerome Jones—rooted cuttings, $1.50 per 100. From 2½-inch pots, $2.50 per 100.

Monrovia, earliest yellow, White Bonnaffon, Lavender Queen, Col. Appleton, yellow — Rooted Cuttings, $2.50 per 100. From 2½-inch pots, $4 per 100.

Timothy Eaton, white, E. D. Smith, yellow, Mrs. W. B. Chamberlain, pink — Rooted Cuttings $3 per 100. From 2½-in. pots, $1.50

GEORGE HARRER, Morton Grove, Ill.

Primroses.

	Per 100
Chinese, Obconica Grandiflora and Forbesi, 2-inch pots	$2.00
Asparagus Plumosus	3.50
Smilax, 2-inch pots	1.00

CASH OR C. O. D.

JOS. H. CUNNINGHAM, Delaware, O.

BOSTON FERN

$25 per 100. Ready Now.

Orders booked now—delivery in September—for my Nephrolepis Fern

"ANNA FOSTER"

Small plants, $25.00 per 100; larger plants prices on application.

L. H. FOSTER, 45 King St., Dorchester, Mass.

Marie Louise Violets

Strong plants, February and March struck, healthy and free from disease. Cash with order. Your money cheerfully refunded if not satisfactory. $10.00 per 1000.

C. Lawritzen, Rhinebeck-on-Hudson, N. Y.

CHRYSANTHEMUMS.

WE HAVE the following fine varieties in 2-inch pots, ready to ship at once. All are in excellent condition and none are hard or stunted. Per 100—Timothy Eaton, white, $4; Soleil de Octobre, yellow, $4; Lady Harriett, pink, $6; Merza, white, $4; Jerome Jones, white, $4; Golden Wedding, yellow, $4; Polly Rose, white, $4; John K. Shaw, pink, $4; Silver Wedding, white, $4; Yanoma, white, $4; White Bonnaffon, $4; White Ivory, $3. Also a few thousand fine American Beauty plants, 3-in., $10 per 100; $90 per 1000. La France, Ivory, Mrs. Ames, Wootton, Bride and Kaiserin. Write for prices.

Robt. Craig & Son, Phila., Pa.

FLORISTS' ROSES

FOR WINTER FORCING.

All our 2½-inch stock has been shifted from 2-inch pots. Our rose plants are all grown for the trade (we do not grow cut flowers), and such plants we claim are well worth more money than ordinary surplus stock:

	2½-in. Per 100	3½-in. Per 100
AMERICAN BEAUTY	$3.00	$12.00
BRIDESMAID	3.50	8.00
GOLDEN GATE	3.50	8.00
KAISERIN	5.00	12.00
METEOR	3.50	8.00
PERLES	4.00	10.00
BRIDES	3.50	8.00
IVORY, White Golden Gate	12.50	20.00

MRS. OLIVER AMES, 4-inch per doz., $10.00.
BEDDING ROSES in large assortment, strong 2½-inch, per 100, $3.00.

Boston Ferns

BEST STOCK.

2½-in., per 100, $5.00; 5-in., each 50c; 6-in., 75c.

Asparagus Plumosus, 2-inch pots, per 100, $4.00.
Asparagus Sprengeri, 3-inch pots, per 100, $6.00.
Smilax, per 100, $2.50.
Chrysanthemums, large assortment, $3 to $4 per 100.
Fern Balls in leaf, 7 to 9 inches, per doz., $6.00.
Ferns for Fern dishes, best kinds, per 100, $4.00.
Hibiscus Peachblow, 2½-inch pots, per 100 $3.00.
Lemon American Wonder, 2½-inch pots, per 100, $5.
Coleus, best assortment, per 100, $2.00.

Vaughan's Seed Store,

GREENHOUSES: WESTERN SPRINGS, ILL.

84 & 86 Randolph Street, CHICAGO.
14 Barclay Street, NEW YORK.

ROSES FOR WINTER FLOWERING

Fine, healthy stock from selected cuttings.

BRIDES, BON SILENE, COLDEN CATE. MAIDS, MME. HOSTE, 3-inch pots, $7.00 per 100, 4-inch pots, $10 00 per 100. KAISERINS, SAFRANO, WOOTTONS, PAPA CONTIER,

SUNRISE, LIBERTY, 3-inch pots, $9.00 per 100; 4-inch pots, $12.00 per 100.

GRAFTED ROSES, Kaiserin, Colden Cate, 3½-inch pots, $15.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

100,000 ASTER PLANTS

Semple's and Queen of the Market. New lot ready now, grown from the finest seed, at $1.00 per 500; $1.50 per 1000; 10,000 for $12.50.

J. C. Schmidt, Bristol, Pa.

Please mention the American Florist when writing.

BARGAINS

in Chrysanthemums and Fuchsias, named varieties, at $2 50 per 100.

Ailamanda Williamsii	$4 00 per 100
Acalypha Sanderii	3.00 per 100
Russelia Elegantissima	3.00 per 100
Vinca Variegata	4.00 per 100

All good 2¼-inch plants.

The Conard & Jones Co, West Grove, Pa.

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'Dryden'

Geranium, the finest of all bedders, 3½-in. pots, $6.00 per 100; 2½-in., $4.00 per 100. Cash please.

HENRY EICHHOLZ, Waynesboro, Pa.

Burbank's Shasta Daisy

Plants, 25c each; $2 50 per doz.; $15.00 per 100. Seed, 50c per 100, prepaid.

CALIFORNIA CARNATION CO.
LOOMIS, CAL.

Please mention the American Florist when writing.

Syracuse.

VARIOUS DOINGS OF MORE THAN LOCAL INTEREST.—SPRING SEASON ONE OF THE BEST ON RECORD.—PREPARATIONS FOR NEXT YEAR.

L. H. Marquisee is building a new greenhouse and two additions. The new house will be 11x256 feet, one addition will be 14x31 and the other 18x31. The new house will be for propagating. Mr. Marquisee will commence housing some plants this month. Some of the Empire State have already been housed and a few of three or four other new seedlings.

Henry Morris is planting American Beauties and chrysanthemums. He will start building in a few days a house 27x100 feet for palms. He has finished putting in city water throughout his plant at Elmwood and has done away with the ram which formerly furnished him water.

A successful rose carnival was held at Geneva, N. Y., June 26. Among the large displays were fifty varieties of German iris from Henry A. Dreer, of Philadelphia. A large collection of Crimson Rambler roses, carnations and phloxes was received from Cottage Gardens, Queens, L. I.

The number of June weddings was greater than usual and, considering the bad weather, business during the month was good. There was more outdoor work this year than usual and all bedding stock was cleaned up.

Florists are generally out of coal, the long cold spring making it necessary to keep fire much later than usual. They are living in hopes that the coal strike will soon be ended.

Work has begun on the $45 000 arch, the $15,000 greenhouses and the $20,000 office building, which James J. Belden gave to Oakwood Cemetery.

There were twenty rainy days in June and as one of the florists said: "Nothing is doing well but grass and weeds."

A. J. B.

Washington, D. C.

A. Gude & Brother have replanted six of their large rose houses, with Beauty, Golden Gate, Ivory, Liberty, Bride, Bridesmaid, Meteor and Mme. Chatenay. They are getting a nice cut of La France and Kaiserin.

Because of the improvements at the White House, the conservatories are being torn down and the plants removed to temporary houses near the propagating gardens.

There was a good deal of funeral work last week, many flowers being sent to the obsequies of Col. G. A. Shallenberger.

P. G.

Vegetable Plants.

CABBAGE Danish Ballhead, $1.00 per 1000.
CELERY, White Plume and Giant Pascal, $1.20 per 1000.
Transplanted Celery, $2.00 per 1000.
Cash. Sample mailed for 5c.

LUDWIG MOSBAEK, 85th St. near So. Chicago Ave., Chicago, Ill.

CELERY PLANTS

Best plants and varieties grown, $1.00 per 1000. Large lots cheap.

G. VAN BOCHOVE & BRO.
KALAMAZOO, MICH.

CABBAGE PLANTS Burpee's All-Head, Fottler's Brunswick, Succession and All Seasons, field grown, 15c per 100; $1.00 per 1000. Will give purchaser choice of varieties as long as they last.
J. C. LEHDE, FORKS, ERIE CO., N. Y.

Please mention the American Florist when writing.

ARECA LUTESCENS, per doz.—2½-inch, 75c; 3 $1; 3½, $2; 4, $3.
KENTIA BELMOREANA, doz.—2½-in., $1.50; 3, $2; 3½, $3; 4, $3 60.
KENTIA FORSTERIANA, per doz.—2½-in., $1.50; 3-in., $2; 3½-in., $3; 4-in., $4.
LATANIA BORBONICA, per doz.—2½-in., 60c; 3-in., $1; 6-in., $7.20; 7 in., $10; 8-in., strong, $18.
PANDANUS VEITCHII, per doz.—5-in., $12; 6-in., $18; 7, $30; 8, $42.
NEPHROLEPIS BOSTONIENSIS, per 100—3-in., $8.00. Per doz.—5-in., $3; 7-in., $9; 8 in., $12; 9-in., $18; 10-in., $24
ASPARAGUS PLUMOSUS NANUS, 2-in., $1 per 100; 3 in., $8 per 100.
ASPARAGUS SPRENGERI, per 100—2-in., $3; 3-in., $8; 4-in., $12; 5-in., $15.
ARAUCARIA EXCELSA, 4-in., $3 per doz.
FERNS FOR DISHES, Etc., $3 per 100.
FERN BALLS, well furnished with leaves, $3 to $5 per doz.

The GEO. WITTBOLD CO.

1657 Buckingham Pl., Chicago.

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ASK FOR FALL CATALOGUE NOW READY.

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25 RUBBERS

3 to 4 feet, $1.00 to $1.25 each, or the lot for $25.00.

A. J. BALDWIN, NEWARK, O.

Orchids!

Arrived in fine condition: Cattleya labiata, C. Skinneri, C. Dowiana, Oncidium varicosum Rogersii and Peristeria elata; also a fine lot of Anthurium Scherzerianum. Write for our illustrated, descriptive catalogue of orchids. Special list of freshly imported unestablished Orchids, just ready. Write for a copy.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

'MUMS! ROSES! SPECIAL!

Col. Appleton, 2½-inch, $20.00 per 100; rooted cutting, $15.00 per 1000. Maj. Bonnaffon, 2½-in., $18.00 per 1000; rooted cuttings, $11.00 per 1000. Our selection in proper proportion of color, 2½-inch, $20 per 1000; rooted cuttings, $12.00 per 1000. 100,000 2½ and 3-inch Maids, Brides, Gates and Meteors. 25,000 2½-inch Stevia and rooted cuttings, $20 and $12 per 1000.

Printed price list furnished on application.

Poehlmann Bros. Co., Morton Grove and Chicago, Ill.

BOSTON FERN 3-inch, strong, $4.00 per 100; $35 per 1000
ORIENTAL PEPPERS, strong, 3-in., in fruit, $2 per 100. 50 at 100 rt.
SMILAX strong 2-inch, $2.00 per 100; $12.00 per 1000.
Haskell Ave. Floral Co., Dallas, Texas.

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FOR FUTURE BARGAINS.

JOHN BROD,
349 West North Avenue, CHICAGO, ILL.
Greenhouses, Niles Center, Ill.

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Araucaria Excelsa.

We control the American market of this splendid pot plant. Our houses are now full of them. May importation per steamers Nederland, Penland and Kensington. We sell plants raised from top cuttings only (no seedlings), at the lowest cash prices, as follows: Each

5 to 5½ inch pots, 3 tiers, 10 in. and above, 50c
5½-inch pots, 3 tiers, 12 in. and above, 60c to 75c
6-inch pots, 4 tiers, 15 to 18 inches and above ..... 75c to $1.00
KENTIA FORSTERIANA, 25 to 28 inches high, 5 leaves, 5½-inch pots 75c
KENTIA BELMOREANA, 20 inches and over, 5 leaves 5½ inch pots 75c
FICUS ELASTICA, 4 inches ..... 20c to 25c
BEGONIA, tuberous rooted 5-in. pots, $1.80 per doz.
ASPARAGUS PLUMOSUS (only 300 plants in all), fine, large bushes just beautiful, 2 years old, from 20 to 25 sprays, out of 5½ to 6-inch pots, 20 cents.

Cash with order, please. ☞ Mention if pots are wanted.

GODFREY ASCHMANN,
WHOLESALE GROWER AND IMPORTER OF POT PLANTS,
1012 Ontario Street, PHILADELPHIA, PA.

Asparagus
PLUMOSUS NANUS....

From flats, $2 50 per 100; $20.00 per 1000. 2-inch pots, $4.00 per 100. 25 at 100 rates; 250 at 1000 rates, prepaid. CASH.

LOOMIS FLORAL CO.
LOOMIS, CAL.

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SMILAX

Fine, large, strong plants, ready to run, $1.50 per 100; $13.00 per 1000. They will please you.
THAT CASH, PLEASE.

C. HUMFELD,
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CUT FLOWER BOXES

WATERPROOF Corner Lock Style.
The best, strongest and neatest folding cut flower box ever made. Cheap, durable, handy. To try them once is to use them always.

DON'T USE OLD STORE BOXES.

If you have any doubt, send for samples, which speak for themselves.

Size No. 1.	3x4½x16..	$1.75 per 100;	$15.00 per 1000
" No. 2.	3x6x18....	2.00 "	18.00 "
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" No. 4.	3x6x20....	2.75 "	25.00 "
" No. 5.	4x8x22....	3.00 "	28.00 "
" No. 6.	4x8x28....	3.75 "	35.00 "

THE LIVINGSTON SEED CO.
BOX 103, COLUMBUS, O.

ALL FLORISTS,
WHO KNOW IT, USE

Sulpho-Tobacco Soap.

(PATENTED.)

A Cheap, Non-injurious Insecticide.

It has for years given satisfactory results. Quickly kills all insect life. Sold by Seedsmen. A 3-oz. trial cake, making 1½ gallons prepared solution, mailed for 10 cents.

Larkin Soap Co. BUFFALO, N. Y.

BAMBOO PLANT STAKES

For **Chrysanthemums, etc.**, strong, ⅜ to ½-inch, 4 to 6 feet, per 400, $2 50; per 1200, $6.00. **Cash with order.**

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Dry powders all soluble in water. Composts cost less than ½o per gal. Correspondence invited.
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LUMBER AT HALF PRICES.

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SEND US YOUR LUMBER BILL FOR OUR ESTIMATE.
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For GREENHOUSES.

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"BLACK DEATH" (POWDER) TO EAT THEREOF IS TO DIE.

BUG KILLER and FERTILIZER. Three years of unprecedented success wherever introduced all over the United States has proved "BLACK DEATH" to be a cheap and absolute annihilator of all insects, bugs or beetles that prey on vegetation, foliage and flowers. See what Peter Reinberg said in this paper, Feb. 8. Other strong indorsements sent on receipt of postal card.

Western Sales Agency, 235 Franklin St., Chicago.
HANDLED BY SEEDSMEN. S. D. STRYKER, Agent.

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MANUFACTURERS OF
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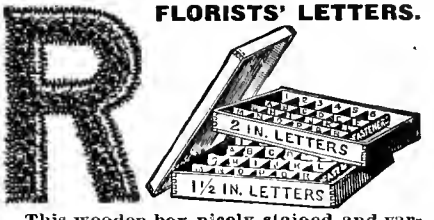

This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1½ or 2-inch size, per 100, $2.00.
Script Letters, $4. Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

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IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

DOES NOT INJURE THE MOST SENSITIVE PLANTS - ENDORSED BY PROMINENT FLORISTS - USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT - 200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN ~~~~CIRCULAR FREE~

SKABCURA DIP CO. CHICAGO.

Kill AND SAVE the THE BLOOMS Bugs!

QUICKLY DOES IT.

BEST AND **Cheapest** ALL-ROUND INSECTICIDE on the Market.

"ROSE LEAF" EXTRACT OF TOBACCO INSECTICIDE

For Sale by Seedsmen. For Free Pamphlet Write to The Kentucky Tobacco Product Co., Louisville, Ky.

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Catalogue for the asking.

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Importers and Manufacturers of

FLORISTS' SUPPLIES.

Galax Leaves and all Decorative Greens.

A. HERRMANN,

Cape Flowers, ALL COLORS:
Cycas Leaves, Metal Designs,
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Send for Prices.
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Greenhouse Bugs

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"NICOTICIDE"

Clean and harmless as **Fumigant** or **Spray.** Ask your seedsman for it or write to

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There's Business All Summer

If you will only work it up. Don't let your stock run down. Be sure to have everything on hand that a customer may call for. You will find every requisite listed and priced within the covers of our new Illustrated Catalogue. Free to Applicants in the trade only.

H. BAYERSDORFER & CO.,
Manufacturers and Importers,
50-56 N. Fourth St., Phila., Pa.

SHIPPING LABELS FOR

....Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co.,
CHICAGO.

$9.25 TO CLEVELAND, O., AND RETURN, $9 25.

On July 16th and 17th, via Nickel Plate Road, good returning to and including July 22nd, 1902. Three through daily trains. City Ticket Office, 111 Adams St., Chicago. Write John Y. Calahan, General Agent, Chicago, for particulars. 33

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Columbus, O.

NEW CONCERN STARTS OUT WITH BRIGHT PROSPECTS.—SORROW AT THE DEATH OF WILLIAM BERTERMANN.—VARIOUS PERSONAL NOTES.

The King Avenue Floral Company, with a range of four houses, is making a good showing and has the right foundation for a model place. The houses are equal span, 20x100, running north and south. There is no reason why this new firm will not rank with the best in this locality, with such a man as R. H. Crabbe, who has been with the Livingston Seed Company for a number of years, at the head of the growing department, and S. W. Smith, one of our leading local business men, at the head of the business end of it.

The many Columbus friends of Wm. G. Bertermann were grieved to hear of his death. Mr. Bertermann lived in this city for four years, serving as an apprentice under John Underwood, father of the Underwood Brothers, now one of the leading firms here. His visits to Columbus were frequent.

J. C. Collom, of the Franklin Park Floral Company, will spend the summer with his sons, who are in business in New York.

The Livingston Seed Company is making an extra display of Boston ferns this week. They have some beautiful specimens. CARL.

Lowell, Mass.

COOL WEATHER HOLDS BACK OUTDOOR STOCK.—GREENHOUSE WORK PROGRESSING RAPIDLY.—CUT FLOWER SUPPLY GOOD.—NOTES.

Up to the present time we really have had no hot weather; in fact, it has been so cold that the tender bedding plants have scarcely moved. This is especially true of such tender plants as coleus, ricinus and so forth. But it is an ill wind that blows no one good and the cool weather has been a blessing to the greenhouse men, who are taking advantage of it to push their work along. The supply of flowers holds up well, there being a plenty of everything except roses. Carnot and Kaiserin are in splendid condition just now, both in flower and stem.

John Haynes is enjoying his vacation this year in England, after an absence of nearly twenty years.

Geo. W. Patten is preparing for his trip to Salt Lake City and probably will go on to San Francisco.

All the stores now close at noon on Thursdays to give everyone a half holiday.

Arthur Mellor, at Patten's, is spending his vacation down in Portland, Maine.

Harvey B. Green is away on his annual trip, pleasure combined with business. A. M.

Horticultural Builders & Heating Engineers
PHILLIPS MFG. CO.,
Tel. 1851 Bergen. Jersey City, N. J.
In 1900 we built 5,726 square feet.
In 1901 " 21,276 square feet.
In 1902 " to date 14,962 square feet.
Have orders for 19,600. This should convince you we are progressive and up-to-date. See the range we are building for S. Untermeyer, Esq., Greystone, Yonkers, N.Y.; conceded by practical authority to be a perfect type of greenhouse. Call us up.

GALVANIZED WIRE—AT BARGAIN PRICES.
Fifty car loads of new galvanized wire, in short lengths. Never was used. Comes from 6 to 16 gauge. Put up 100 lbs. to a coil and only one size wire to each bundle.
Prices range from $1.40 to $1.90 per 100 pounds.
Our Free Catalogue No. 17 for the asking. We handle all kinds of supplies from Sheriff's and Receiver's Sale.
Chicago House Wrecking Co.
West 35th and Iron Sts., Chicago.

New Twin Section Boiler.

Clear Gulf CYPRESS GREENHOUSE MATERIAL.
Glass AND Boilers
S. JACOBS & SONS, 1365 to 1373 Flushing Ave., BROOKLYN, N. Y.
Estimates furnished for Erecting.
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GET OUR PRICES BEFORE ORDERING.

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MANUFACTURERS OF HOT BED SASH, AIR DRIED GULF CYPRESS SASH BARS AND OTHER GREENHOUSE MATERIAL.
BUILDERS of DURABLE and PRACTICAL Greenhouses at a LOW COST.
Our descriptive circular contains valuable information for every florist. Send for it. WE HAVE SOMETHING NEW TO OFFER.

FUMIGATION METHODS
By PROF. W. G. JOHNSON
Formerly State Entomologist of Maryland

A Practical Treatise and timely work on cheap and effective means of destroying insect pests and other vermin in various places. This work is the outcome of practical tests made by the author, together with the experiences of others, and is one of the most important books published this season and is much needed at this time. It will be of particular interest to

FRUIT GROWERS AND NURSERYMEN owing to the widespread prevalence of the notorious San Jose scale. Hydrocyanic acid gas is the only practical remedy for the destruction of this pest and is being used more extensively than ever before by nurserymen and fruit growers. The perfection of the apparatus for fumigating young orchard trees is outlined in this work. The methods can be easily applied in orchards and nurseries for many dangerous pests at very small cost. The writer is considered the best authority on this subject in this country and has left nothing undone to make this the most complete work of the kind ever published.

GARDENERS AND FLORISTS have found that vegetables and flowers cannot be grown under glass without frequent fumigation for the destruction of insect pests. Hydrocyanic acid gas has solved this problem. The methods of procedure are fully described and every detail is given for generating and applying the gas.

MILLERS AND GRAIN DEALERS have been looking forward to the publication of this work, as hydrocyanic acid gas has been found one of the most important materials for clearing mills and warehouses of insects. The subject of carbon bisulphide for fumigating mills and elevators containing grain in storage is also thoroughly considered. To this trade the work is indispensable and transportation companies have found it of great value for the fumigation of cars, ships and other inclosures infested with vermin.

FARMERS OF THE COUNTRY have here fully described a simple, easy remedy for gophers, prairie dogs, squirrels and other animals in the ground, and rats and mice in any inclosure.

COLLEGE AND STATION WORKERS will find it an up-to-date reference work on this subject. It is complete in every respect and is the only work of the kind ever published. It is written in a popular non-technical style, profusely illustrated, handsomely bound, covering 250 pages, price, postpaid, $1.00.

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The lightest running, most rapid and powerful ventilating machinery in the market.
Duplex Gutters,
Made of wrought or cast iron with self adjusting sash bar clips. The only Drip Proof Metal Gutter offered to the Public. Send for my catalogue free.
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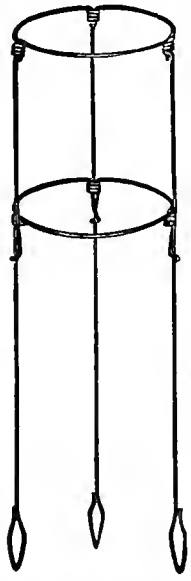
Youngstown, O.
Please mention the American Florist when writing.

NOTICE: The Model Plant Stake Co., formerly of Brooklyn N. Y., has removed to 208 Jersey St., Harrison, New Jersey, and is now The Parker-Bruen Mfg. co.

The Model Extension Carnation Support.

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MR. THERON N. PARKER, Brooklyn, N. Y.
Dear Sir—I have used your Wire Carnation Support the last two years in all about 12,000. They fill the bill in every particular. Nothing could be more satisfactory and would give me a great deal of pleasure if I can bespeak a good word for you to the trade and you are at liberty to refer to me at any time. Very truly, A. L. THORNE.
Favorable testimonials from such growers as:
Dailledouze Bros., Flatbush, L. I.
Wm. Scott, Buffalo, N. Y.
Albert M. Herr, Lancaster, Pa.
C. W. Ward, Queens, L. I.
E. Asmus, Hoboken, N. J.
Write for Circular and Price Lists.
Galvanized STEEL ROSE STAKES.
The Parker-Bruen Mfg. Co.
208 Jersey St., Harrison, N. J.

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WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS RICHMOND, IND.

KIFT'S Patent ADJUSTABLE VASE HOLDER
No. 1.—Brass, nickel, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) $2.25. Price complete (with green or white cornucopia vases) $2.50. No. 2.—Heavy 4 ft. rod, brassed and nickeled, with three clasps for 5 to 6-inch pots, each $1.75.
KIFT'S PATENT Rubber Capped FLOWER TUBES, 1½-inch diameter, per 100, $3.50.
JOSEPH KIFT & SON, 1725 Chestnut St., Phila., Pa.

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IT COSTS YOU NOTHING TO GET OUR
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WE USE ONLY THE VERY
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Such Cypress invariably is furnished by parties who have no knowledge of the peculiar requirements of greenhouse material.

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Our lumber is selected with the greatest of care, our material is guaranteed perfect and strictly up-to-date.

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SELLING AGENTS FOR
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WILKS Hot Water Heaters.
Best made for Greenhouses. SELF-FEEDING MAGAZINE.
All Steel. Simple, strong, durable. Send for Catalog, etc.
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SHORT-ROOF GREENHOUSES. (Patented.)
.....WRITE FOR CATALOGUE.....
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Manufacturers of California Red Cedar and Louisiana Cypress Greenhouse Material.
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Second HAND BOILERS and Pipe.

3 No. 16 Hitchings Boilers in good order, with New Grates and Fire Bricks. Also 4,000 feet 4-in. cast iron extra heavy pipe, 9 feet lengths, ells, tees and Expansion Tanks.

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UNFAVORABLE WEATHER CAUSES STOCK TO DETERIORATE.—OUTDOOR MATERIAL SERIOUSLY AFFECTED.—PERSONAL NOTES AND OTHER DOINGS.

The weather conditions the past week have been very unfavorable for the production of flowers, it being wet, cold and then sultry and hot. It caused much mildew and what first-class stock there is brings a good price. The rainy weather has injured the outdoor flowers, so that they are not fit for market, and unless a change comes soon there will be little outdoor material for the remainder of the season.

Wm. Donaldson & Company have been busy with planting and getting things in shape for the coming season. They will make no addition this year but will probably drop bedding stock and devote their time to the growing of cut flowers. Ralph Lathom is again at Donaldson's.

Thos. Lynes, of the East Side Floral Store, is visiting friends in England. The store is in charge of his brother, James.

R. Will says ventilation is the great point in violet growing and his new house will be well equipped in this respect.

A. Rice is on a trip through southern Michigan. C. F. R.

Louisville, Ky.

SOCIETY OF FLORISTS HAS A PLEASANT OUTING.—GROWER USES LARGE GLASS.—CARNATIONS DOING WELL.—PERSONAL NOTES.

The Kentucky Society of Florists held the regular monthly meeting at Fountain Ferry Park on Wednesday, July 2, and it proved to be the most pleasant meeting ever held. After the session refreshments were served and the evening spent in bowling and rowing on the Ohio.

C. H. Kunzman is having excellent success with his field-grown carnations this year. The glass in his new carnation house is 24x36, not 16x24 as previously stated.

Chris. Haupt, who has been ill with blood poisoning caused by handling plants and roses, is at his post again.

The weather has been very hot for the past week but cut flowers have been fairly good, all things considered.

Miss Carrie, daughter of Geo. Hodges, is spending her vacation in the valleys of Indiana. L. A.

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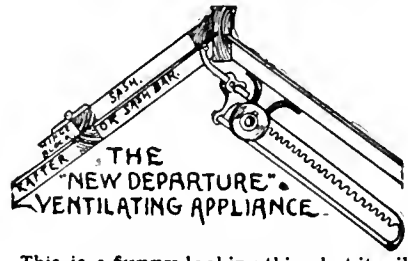

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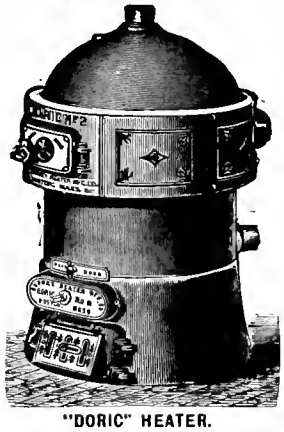
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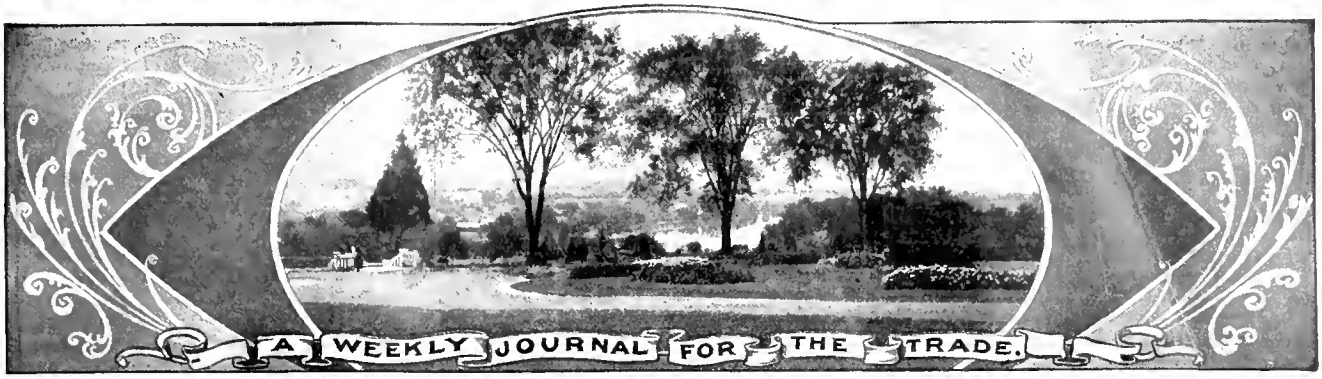

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Vol. XVIII. **CHICAGO AND NEW YORK, JULY 19, 1902.** **No. 737.**

THE AMERICAN FLORIST

SEVENTEENTH YEAR.

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Annual convention at Brooklyn, N. Y., February, 1903. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Asheville, N. C., August, 1902. Edwin Lonsdale, Chestnut Hill, Pa., Sec'y.

AMERICAN ROSE SOCIETY.

Annual meeting at call of executive committee, LEONARD BARRON, 136 Liberty St., New York, secretary.

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Seasonable Plant Notes.

A valuable portion of the stock of plants carried by retail dealers is found among those that are adapted for use in table ferneries and window boxes, for the filling of such receptacles requires considerable numbers of plants and also quite a variety of species. The use of window boxes is doubtless increasing in our large cities, and is a custom that should be encouraged by making the boxes just as satisfactory as possible, a satisfied customer being always one of the best advertisements for the man who supplied the goods.

Window boxes require a large number of plants in proportion to their size from the fact that an immediate effect is the only satisfactory one. Some of the large hotels and apartment houses use up a good deal of such material in a year, beginning in the early spring with hyacinths, tulips and other spring bulbs, following these with pansies and English daisies, after which come Boston ferns and foliage plants, and these in turn giving way to chrysanthemums, the latter to be followed as frosty weather comes on with small evergreens or other hardy stock.

Many factories have taken up this idea of window decoration, one of the first to do so having been a large tobacco concern in Jersey City, in which window boxes became a feature fully twenty-five years ago, and apparently the tobacco trade has taken up this feature in other cities also, for a factory of that character in Detroit was quite noticeable for the beauty of its window boxes during the year of the S. A. F. convention in that city. In Philadelphia, so far the utilitarian idea regarding factory buildings continues to be most prominent, and in consequence bare brick walls and windows unadorned are the prominent features of our factory district, but there may still come a change of heart among our conservative mill men, and we of the trade are a hopeful lot, anyway.

The location or exposure of a window has much to do with the plants that may be used in its decoration, and it must always be remembered that a narrow box containing many plants, little soil, and exposed to the wind besides, does not provide ideal conditions for plant growing. In addition, smoke and dust must be included in the calculation.

For window decoration in particularly dusty and smoky localities there is nothing more lasting than some of the many forms of Aucuba Japonica, these various varieties differing in the variegation of the foliage and also in the habit of growth, some being much more dwarf than others. The foliage is not the only point of beauty connected with the aucubas for they also bear large and showy red berries that are especially attractive toward winter.

The aucubas are by no means difficult to grow or to propagate, the latter process being accomplished either by means of cuttings or seeds. Cuttings made from firm young growths four to six inches in length will root in sand in a few weeks and, from the fact that the plant in question is almost hardy, it will be readily understood that strong bottom heat would be out of place for the cuttings.

These young plants that have been raised in the spring should be potted off as soon as the roots are about half an inch long, kept in a temperature of about 55° until the weather is suitable for planting outdoors, and then put out in the open ground and treated just as one would young Hydrangea hortensis. In the autumn the young aucubas should be lifted before severe frost, potted into pots proportionate to their size, and may then be kept in a greenhouse averaging 45° to 50° at night during the winter.

Seedlings are also readily raised, but are quite likely to produce some variations from the parent plant, and it is therefore safer to depend upon cuttings for the perpetuation of any given variety. Another point that should be remembered is that all aucubas cannot be depended upon to bear berries, from the fact that the male and female flowers are borne upon different plants. It therefore becomes necessary to make sure of having both sexes among the plants and to fertilize the flowers at the proper time.

Standard grown plants of aucuba having a round head and a stem possibly two feet high were not uncommon a number of years ago, and when nicely berried are quite attractive specimens for house decoration, but naturally plants of this character require some time for their development, much the same as a standard bay tree.

Another nearly hardy variegated plant that has value for window boxes is Osmanthus ilicifollus variegatus, a shrub that much resembles a variegated holly and that, like the aucuba referred to above, may be exposed to light frosts in the autumn without injury. Osmanthus ilicifolius variegatus may also be propagated by cuttings, and may be readily

grafted upon the common privet, the latter being a good method for the production of standard plants.

Our old friend, the aspidistra, will naturally suggest itself for the window box, and whether it be the plain green leaves of the type or the prettily marked ones of the variegated form, there are but few plants with such tough and enduring foliage. Unless it has been already attended to, the division and repotting of aspidistras should be performed at once in order to get a good and well developed growth on them before winter.

The division of the old rhizomes of aspidistras has been noted before, but another reminder may not be out of place at this time regarding the fact that those under-ground stems that are so plentiful in an old pot or tub of aspidistra form very useful material for propagation, by being cut into pieces about one inch in length and then planted in a cutting bed with a covering of one inch of sand over them, or in shallow boxes, if it may be more convenient. Such cuttings seldom fail to start sooner or later, the stems in question having a dormant eye at nearly every joint.

Pittosporum Tobira is another shrub that may be used in window boxes. It has tough, dark green leaves somewhat like those of a rhododendron, the small white and rather fragrant flowers being succeeded by bunches of nearly black berries about the size of peas. This pittosporum is a rather short jointed hard-wooded shrub, introduced, I think, from Japan, and is not a new plant though more uncommon than those noted before, and is also slower in growth.

Some ivies, both green and variegated, must not be forgotten, the common English ivy being always in demand, provided one has strong, clean plants and neatly trained so that they may be either used as a screen or by the removal of the stakes may be planted to hang down. Another good ivy of the broad-leaved section is Hedera Algieriensis, while both the plain and the variegated forms of H. poetarum are good and may be used in the work referred to.

Several of the euonymuses are also useful, for these plants stand the trials of city life very well, E. Japonicus variegatus being a good example of the upright, bushy growers, while E. radicans variegatus is more given to a creeping habit. Both may be increased quickly and easily by cuttings of firm wood put in late in winter or early in the spring, the young plants being planted out in the open air for the summer and lifted and potted before severe frost.

W. H. TAPLIN.

THE LATE WILLIAM M'ROBERTS, JR.

(See page 877 issue of July 12.)

CHRYSANTHEMUMS.

SPECIMEN PLANTS.

Specimen plants are now well established in the flowering pots. They will need careful attention in watering; the more vigorous plants will take it twice a day. Frequent syringing will be beneficial, and it may be done morning and evenings, too, on bright days. If they are plunged outdoors, the pots should be set up on bricks to keep the bases from contact with the soil, unless it be a bed of coal ashes, when it would not be necessary.

Worms get in sometimes, and stop the drainage. This can be seen when the pots do not drain within a reasonable time after watering. Years ago, we were bothered with root aphides, "ants' cows," which they "farmed." These are very difficult to get rid of. Soot water will clear them out in time, but if persistent, they should be immersed for half an hour or longer.

Plants which are grown indoors, will be getting into shape, and a few stakes will be required to keep them so. We used to keep our staking well up, but late experience shows it is as well, if not better, to just keep them together until a final staking a week or two before exhibition time. It is easier to regulate the shoots. We treat the outdoor plants in the same way. It is a bad plan to let the shoots trail on the ground. Beside its being difficult to get water under them when syringing, they lose many leaves for want of light.

Planted out plants are usually left too long. They should be taken up in August. There is then a better chance to get good root action, which means better foliage, and better flowers.

It is yet early to apply liquid manure. When given early, it is liable to cause a gross growth, which is difficult to ripen. The plants get surfeited, so to speak.

Our decorative varieties, generally small flowered sorts embracing many forms and including representatives of all types, are now being put into 8-inch pots. They will be large enough for our purpose.

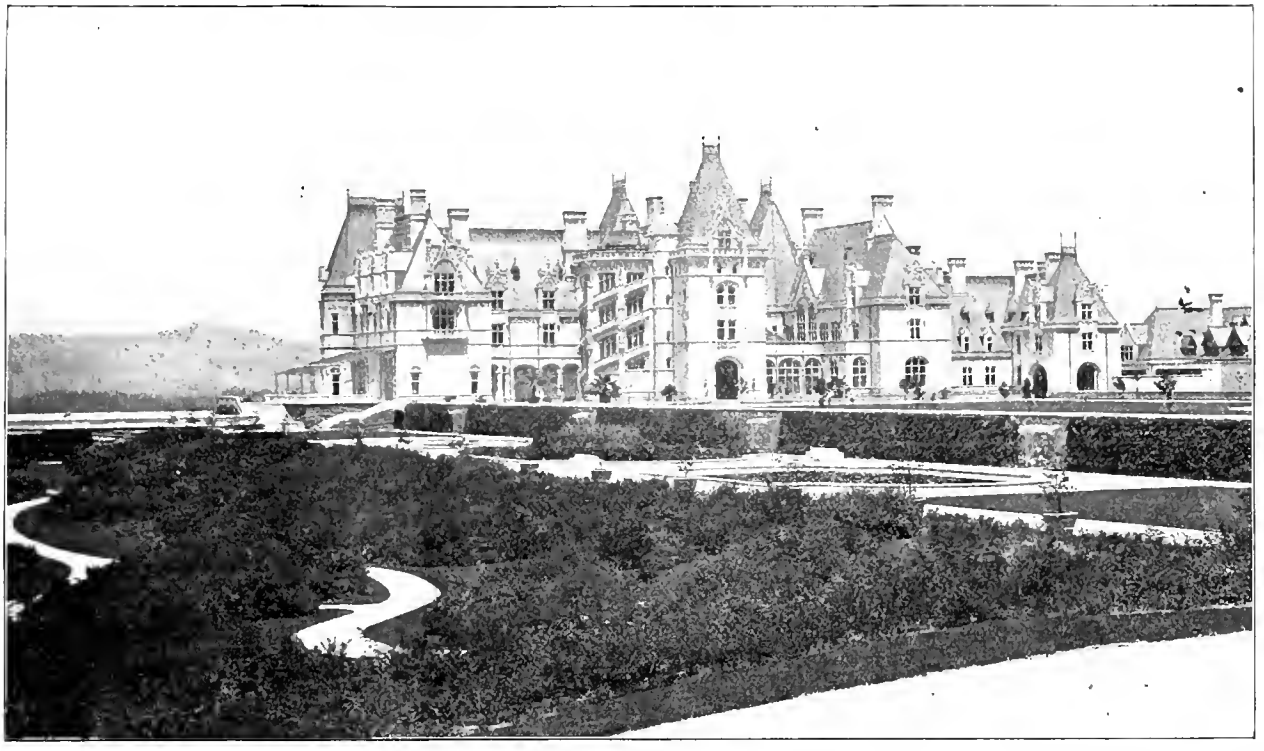
Some of the most promising plants at the present time are Mutual Friend, Mrs. Trainker, a very fine white; Golden Shower, Mrs. Weeks, Lavender Queen, one of the finest in color; Miss Alice Byron, white; Elna, yellow. a good dwarf grower, and fine color; Zarnivara, Chestnut Hill, dwarf, yellow; Jubilee, pink; William Kennedy, purple; Hooper Pierson, yellow; T. Carrington, pink. Adrian, Bentley and Mrs. Wm. Fraser, among newer kinds, are showing well.

T. D. HATFIELD

MACOMB, ILL.—S. T. Danley has a fine field of 18,000 carnation plants.

A FIELD OF IRISES AT THE ESTABLISHMENT OF ROWEHL & GRANZ, HICKSVILLE, L. I., N. Y.

ASHEVILLE "LAND OF THE SKY"



BILTMORE HOUSE, HOME OF THE VANDERBILTS, AT ASHEVILLE, NORTH CAROLINA

(The annual convention of the S. A. F. will be held at Asheville next August.)

ASHEVILLE, the S. A. F. convention city, "land of the sky," off the main traveled roads, few of those who will visit it in August conceive the character of the place. Those who know all sing its praises.

"Carolina" has a southern sound and, in truth, the convention city is four degrees of latitude south of Washington and five south of New York. In distance by rail Asheville is from:

Buffalo	942 miles
Boston	950 "
Cleveland	705 "
Cincinnati	442 "
Chicago	747 "
Detroit	703 "
Louisville	394 "
Milwaukee	832 "
New York	705 "
Philadelphia	615 "
Pittsburg	853 "
St. Louis	817 "
Washington	478 "

But Asheville is not a southern city in any sense. Situated on a plateau 2,250 feet above sea level it cannot have a hot climate. Sheltered on the east and north by high mountains of the Blue Ridge and Great Smoky ranges, it cannot be cold. At a greater elevation than any city east of Denver, the climate is equable, neither hot nor cold, and without the sudden changes which make the seaboard and lake cities so trying. In the past twenty-five years the average winter temperature has been 38.87°, the summer temperature 70.72° and the mean temperature for the year 54.14°, which is just about the mean temperature of a number of the world's greatest summer resorts, including Genoa, in Italy, Milan and Vienna.

Nor in population is Asheville typical of the south. It is a matter of common remark with those who visit Asheville that they always meet there people whom they know. It is a cosmopolitan population; of the 14,000 inhabitants only one-fifth of the whites are native. A little less than one-fifth the population is colored. People come to Asheville from all over the Union to breathe its lung-preserving atmosphere and, liking the place, settle there. But it is not a city of invalids.

Asheville is the commercial center of a region rich in natural resources. One of the principal occupations is hotel keeping but another is stock-raising and thousands of head of fancy beef cattle are annually marketed, mostly at Richmond, Va. With the present high prices for live stock, prosperity prevails on the farms and in the town. Truck gardening is a rapidly developing industry, where most people doubtless expect to find cotton the staple crop, but there is no cotton. Fruit growing is attracting attention, for the Winesap and the York Imperial, two of the highest-priced varieties in both the New York and Liverpool markets, attain great perfection here. The apple, not the sugar cane, is destined to become one of the greatest revenue producers for this region. Strawberries are a profitable crop and the Concord grape grown here is better than in the north.

The one thing about which there can be no misconception is the character of the scenery about Asheville; the region is often referred to as the Switzerland of America. North and east of the city the mountains pile thousands of feet in the air and two miles from the city, on the steps of the mountain range, the white walls of the Vanderbilt chateau reflect the summer sun. This is the most magnificent home in America, being estimated to have cost $3,000,000. The plans for the entertainment of the S. A. F. contemplate a tour of the estate of 10,000 acres laid out by the master hand of Frederick Law Olmsted. Ten miles of road traverse the estate and the most pretentious private arboretum in the world is well under way, the work having progressed for nearly ten years.

Another misconception of the Asheville trip is as to the expense attached thereto. Many florists have an idea that it is going to cost too high, but to those at equal distances it will not cost as much as the New York trip did. The railroad fares average the lowest ever granted the S. A. F. and good hotel accommodations in Asheville do not cost as much as in New York. Then again, in a town of 14,000 there are neither the necessities nor the opportunities for spending money afforded in the greatest city in the land. It will be not only one of the most novel trips the S. A. F. has ever taken, but it will also be one of the most satisfactory. Better make your plans now and go. Join one of the large parties if you can, from Chicago, Cincinnati, New York or Philadelphia.

CARNATIONS.

DANGERS OF EARLY PLANTING.

Early planting is the vogue in carnation culture to-day and there is no denying the fact that the stock is better in every way than when the plants were left in the field until danger of frost. But we must not give all the credit to early planting as the great improvement in varieties has more to do with the advance in the quality of the flowers than any one detail of culture. In addition, we now cater to the wants of our carnations with much more intelligence than we did a few years ago; if we do not, then neither early planting nor late planting will give us the high grade blooms the market demands.

One very prominent grower, the largest and most successful in his city, scarcely ever houses his carnations before the middle of September, but his houses are just right, and no detail of good culture is overlooked. Only the very best varieties are planted and the result is as good carnations as are grown anywhere. This shows that early planting is not the whole thing, but does not prove that early planting is not a good thing, as if I am not very much mistaken, sterilizing produces the best results when done in lettuce houses and where done several times during the season. As sterilizing is likely to become a factor in the florists' business it would be well to secure some reliable information as to the length of time soil is benefited by it. If sterilizing will put the soil into such condition that, with good care, it will keep sweet for, say, ten months, then we could perhaps bring our planting several weeks earlier.

A point on which all growers seem to agree is as to the proper condition of the plants for early housing. If the plants have been growing soft and rank they are not in a fit condition to be taken into the confined air of the houses. No matter how good your ventilation may be, at this season of the year the air in the houses is several degrees hotter than outdoors, unless kept cool by an excessive amount of humidity, through syringing the paths, sides of the house and plants. The carnation is a water-loving plant, but an excess either in the soil or in the atmosphere will soon cause it to lose its vitality. This is another point against extremely early planting, as just the proper point to reach and stop these houses are an exception to the most of those that are planted the middle of September.

Owing to the rapid growth made by the plants in the field this season one hears considerable about planting in the middle of July. Where every detail of good culture is carefully followed up, this may be a good thing to do, but for the large majority of growers August 15 to August 20 is a good time to plant, a little earlier or a little later, according to weather conditions. This gives the plants plenty of time to become well established in their new surroundings before the crop of flowers is expected.

We all know that constant watering in the houses over the hot summer of July and early August will sour the soil to a greater or less degree, and we also know that a carnation, even if it does not die outright with stem rot in such a soil, will become stunted and sickly; instead of producing high grade flowers in paying quantities, will give just the opposite results. This is the main objection to extremely early planting.

While I have no data to work from, I do not believe that sterilizing the soil will entirely overcome this objection, as requires more care and attention than most growers are able to give.

The whole question resolves itself under one heading and that is to avoid extremes. There has been more money lost through extreme culture in our business than through any other one cause. Occasionally some extreme change in cultural methods will produce wonderful results and then the following season a host of imitators will make a complete failure of the same method, the originator of the method often being among the unsuccessful. Those of us who have to make our living from our business do not want to be left behind in the race for high grade flowers; neither can we afford to risk our whole season's crop by departing from known successful methods.

There are very few carnation growers who do not plant at least three houses to carnations and instead of planting the three in the month of July try one of them and the balance of your place at your usual time of planting. As an experiment it is worse than useless to plant part of a house, as that part is sure to be neglected at one time or another during the summer, but with a whole house at stake you will be inclined to let some other work go and attend to the carnations as they should be attended to. It may sound unprogressive, but for the man who only grows a house or two it is better to wait until the larger grower has made his experiments and found them practical and announced them through the trade papers, as he is sure to do.

ALBERT M. HERR.

KENTIA HOUSE OF HOLTON & HUNKEL CO., MILWAUKEE, WIS.

LATANIA HOUSE OF HOLTON & HUNKEL CO., MILWAUKEE, WIS.

Boston.

GOOD SATURDAY SHOW AT HORTICULTURAL HALL.—CUT FLOWER TRADE VERY DULL.—SHIPMENTS HARDLY WORTH EXPRESSAGE.—NO STANDARD VALUE.—DOINGS OF AGRICULTURISTS AND HORTICULTURISTS.—EUROPEAN VOYAGERS.—SEASON CONTINUES ADVANCED.—VARIOUS NOTES.

The exhibition at Horticultural Hall on Saturday, July 12, was quite extensive as regards native flowers and garden perennials. George Hollis showed some fine phloxes, W. J. Clemson a very large collection of named sweet peas, Mrs. J. B. Lawrence and Blue Hill Nurseries herbaceous perennials, and there was a good showing of hollyhocks from

THE NEW YORK FLORISTS' CLUB AT WITZEL'S POINT GROVE, JULY 7, 1902.

(See page 886, issue of July 12.)

E. L. Lewis and J. S. Crane. J. E. Rothwell was given a certificate of merit for Cypripedium Lord Derby (C. Rothschildianum × superbiens.) The display of small fruits was exceedingly fine.

Cut flower trade is as dull as it can be. Last week was even worse than its predecessor—large receipts of roses and carnations, most of which had to go to the street fakir because nobody else would touch them at any price. It is not likely the supply will continue so large, as the growers cannot get enough out of the shipments to make it pay to send them to the city. There is practically no standard of value at present on anything in the flower line.

The semi-centennial of the Massachusetts State Board of Agriculture will be celebrated with appropriate observance at Horticultural Hall on July 22. Many eminent speakers will give addresses. Among these will be Hon. James Wilson, Secretary of Agriculture; Gov. Crane, Lieutenant-Governor Bates and four ex-governors of Massachusetts.

The most notable feature of the arborway and other parts of the park system at present is the blooming of the beautiful Michigan wild rose, Rosa setigera. The winter was again unkind to them and many plants were killed back, yet the display is exceedingly brilliant.

Wakefield is worried over the ravages of the larvæ of the pine saw fly which has attacked fiercely and denuded sections of the splendid pine grove which has been the pride of the town. After having had to destroy some 600,000 nests of the brown-tail moth this seems rather severe.

Mr. and Mrs. W. W. Edgar sailed for England on the Commonwealth, on July 16. A. Leuthy also went on the same steamer. James Rough is contemplating a trip later. Secretary W. J. Stewart has gone to Asheville on convention business.

The exhibitions scheduled for every Saturday in July and August at Horticultural Hall have all been set ahead one week owing to the forward season. Among the visitors at the show last Saturday was Dr. Robt. Huey, the rose expert, of Philadelphia.

Mrs. Endicott, wife of W. E. Endicott, for many years chairman of the library committee of the Massachusetts Horticultural Society, died at Canton on July 10.

Thomas Roland, of Nahant, of Lorraine begonia fame, is rejoicing over the advent of son number three, who came to his home on Saturday, July 12.

Extensive preparations are being made for the meeting of the American Park and Outdoor Art Association which takes place in Boston, August 5 and 6.

New York.

SMALL ATTENDANCE AT THE MONTHLY MEETING OF THE CLUB BUT MUCH BUSINESS DOING.—RESOLUTIONS OF SYMPATHY FOR THE FAMILY OF THOMAS YOUNG.—PLANS FOR ASHEVILLE TRIP.—TRADE STILL QUIET.—STOCK VERY POOR.—VACATIONS NOW IN ORDER.—VISITORS.

The July meeting of the Florists' Club last Monday evening was the slimmest in attendance on record, a fact for which the very warm weather was, no doubt, responsible. The business of the evening was confined mainly to committee reports. The Asheville transportation committee recommended that the 8 a. m. train on the Pennsylvania R. R. Monday, August 18, be selected. This will bring the New York party in time to join the Philadelphians. It was so decided. The outing committee was not prepared to make a full report, but was able to say that the excursion had been a financial success. The members of the committee, as a whole, came in for some complimentary remarks for the successful manner in which the affair was arranged and conducted, and the secretary of the committee was mentioned as having contributed much in the way of original work to the success of the excursion. The committee on membership reported amendments to the by-laws, which were laid over until the next meeting of the club for action. The exhibition committee reported progress and announced a meeting of the committee for Wednesday, July 23, at 7 p. m., at the store of the president. Messrs. Wallace, Scott and Renney were appointed by the chair as the committee of awards for the evening and recommended a cultural certificate to H. Beaulieu for a collection of dahlias, very fine for the season. George Lawrence was elected a member of the club. The committee on resolutions on the death of Thos. Young, Sr., reported the following resolutions of sympathy:

WHEREAS, We, the members of the New York Florists' Club, having learned that Mr. Thomas Young, Sr., recently passed beyond this earthly sphere to his rest eternal, full of years and honors, called hence by the immutable decree of an all-wise Providence, and,

WHEREAS, We bow in humble submission to the will of the Great Ruler of the universe, yet we cannot fail to express our deep regret at his passing away from the scenes of his useful labors.

While not wishing to intrude with our regrets in the natural grief of his family, yet, having been associated so long in this association with his worthy sons, our esteemed fellow members, we respectfully and feelingly ask that we be permitted to express to them our heartfelt sympathy in their great loss and sad bereavement. And be it therefore

Resolved, That we hereby and in this manner tender to the family of the deceased our sincere condolence in their hour of sorrow. They mourn the loss of a loving and loved parent, we mourn an exemplary citizen, a just and upright man, a generous and genial companion.

We desire to have it recorded that in losing him the community in which he lived has lost an honored member, the horticultural world a man who throughout his long, useful and honorable career played well his part in his chosen calling.

To his faithful helpmate, the revered partner of his joys and sorrows for so many long and pleasant years, we tenderly offer our sympathy, coupled with it a prayer that the God of Love and Mercy may lighten the heavy sorrow which has fallen upon her, that He may give her strength to bear her great affliction.

We offer her such solace as is ours to give and hers to receive at our hands, not wishing to open afresh the wounds of her grief, but to aid as best we may in assuaging the pain. May the soft lullaby of merciful time soothe her and the sweet memories of her departed life partner sustain her. God rest his soul. And be it further

Resolved, That these resolutions be spread in full upon the minutes of this club and a copy of same be sent to Mrs. Thos. Young, Sr.

PATRICK O'MARA.
CHAS. B WEATHERED.
ALEX. WALLACE.

The president announced the following members of the nominating committee for next year's officers: John Morris, C. W. Ward, Jas. Donaldson, S. C. Nash, John Phillips, S. S. Butterfield and W. S. Rennie. A communication was read from the secretary of the plant breeding conference, inviting suggestions from the club. In moving the acknowledgment of this letter Mr. O'Mara made some very timely and interesting remarks on the effect of the work to be done by the conference in that it would prove educational to the public and employers present and prospective. Mr. O'Mara was, on motion of Alex. Wallace, appointed to represent the club at the conference.

Business is at a standstill. The receipts of roses are still disproportionately heavy, but the stock sent in as such can hardly be honored by the name of roses. Most of it is the raggedest kind of rubbish ever seen. Sweet peas are still a daily avalanche. They are well sold if they bring a cent a bunch. Carnations are on the downward path as regards size of flower, but the stems grow bigger and bigger. There are heavy shipments of gladioli coming in and a few asters of fair quality are seen.

Vacations are in order. J. I. Raynor is an absentee this week. Mr. Mallon, the sage of Brooklyn, is about to start for a six weeks' sojourn at Mattituck, where he will fish and crab and incidentally reflect on the serious problems his friends, the commission men, have to face in July, and on his return may be expected to emit some rare philosophy. John Kral, of Moore, Hentz & Nash, goes away for three weeks, and after his return the boss will have a chance at it.

J. Fleischman says that his new apartment hotel on East Thirty-first street, built at a cost of $700,000, has been leased for twenty-one years at $50,000 per year.

Wm. F. Kasting, of Buffalo, sailed for Europe on the S. S. Kaiser Wilhelm der Grosse July 15. He expects to return about September 2.

Visitors: W. J. Palmer, Buffalo; W. J. Elliott, Pittsburg; Mr. and Mrs. Ohlmer, Washington, D. C.

Philadelphia.

SUMMER FLOWERS NOW SUPPLEMENT THE GENERAL STOCK.—DOUBLE WHITE PETUNIAS HANDY FOR FUNERAL WORK.—DISTINGUISHED VISITORS.—PERSONAL NOTES.

Asters are now coming along in fair shape. The colors are varied, there being good white, purple, lavender and shades of pink. They make quite an addition to the general stock, which is now at its lowest ebb. Water lilies are also to be had in quantity and quite a show can be made with them for little money, which is a strong point these dull summer days. S. S. Pennock is getting quite a lot of gladioli from the south. They are good but not quite so long in the stem as they grow with us. Kaiserin, Carnot, Liberty and Meteor, with some Golden Gate and a few left over Beauties, make up the rose assortment. Prices range from $4 to $6 per hundred, with perhaps a dollar or two more for something a little extra. Double white petunias come in handy at this season for design work, as white carnations are scarce and at from 25 cents to 50 cents per hundred they also have the advantage of being much cheaper.

We were honored on Wednesday with a visit from Patrick O'Mara, W. J. Stewart and Robt. Halliday, who came to consult with President Burton. Messrs. Stewart and O'Mara proceeded on to Asheville to make final arrangements for the convention.

Robert Craig is still at Summit, N. J., and we are glad to say he is reported on the mend. We sincerely hope to soon see him home again.

W. W. Crawford, son of Robert Crawford, Jr., sailed last Wednesday for a three months' European trip. K.

Chicago.

CUT FLOWER MARKET IN THE MIDST OF ITS DULL SEASON.—LITTLE LOCAL BUSINESS AND SHIPPING ORDERS HARD TO FILL.—STOCK TOO SOFT TO TRAVEL.—DOINGS OF THE GROWERS.—CARNATIONS BEING BENCHED EARLY.—A NEW GERMAN ROSE AT EVANSTON.—VACATIONS NOW THE ORDER OF THE DAY.—PERSONAL DOINGS AND OTHER NOTES.

This has been another very quiet week in the wholesale market. The city trade is very light, the local retailers, particularly those of the better class, reporting business as practically dead. Samuelson, Wienhoeber, Fleischman, Smyth and Wittbold all say there is nothing doing except an occasional funeral order. The people upon whom these stores depend for their trade are always away for weeks at a time in the summer and little is to be looked for from them before the middle of September. The stores the customers of which are not of the class which summer at the seashore are doing a little better, but not much; none of them can use more than a very little stock. Shipping trade is holding up better than the city business but the orders are usually small and, at that, it is sometimes impossible to fill them, for the stock averages so poor that sometimes it is not possible to pick out shipping material. Under these conditions of course the small percentage of tight buds brings good money and the great majority of the wide open stock fetches almost nothing at all. Rose prices, therefore, range from 25 cents a hundred to 10 cents apiece, the latter for some of Bassett & Washburn's good Liberties. Carnations run all the way from 20 cents a hundred to $2, the whites doing the best, but some of the wholesalers complain that the keeping quality of the stock is even less than usual in summer. The receipts are falling down each day but asters are more plentiful, so that the carnations will not be missed. Wietors are cutting some very good asters. The glut of sweet peas is not so heavy, although receipts are still above requirements. Lilies the buyers do not seem to want at any price, particularly auratum. The many specialties of summer stock are all hanging fire, but gypsophila is selling steadily at cheap prices for use in funeral bunches, to make the flowers stand up, the design makers lacking ambition to wire the stock in the hot weather, and then it gives a very graceful effect.

Weiland & Risch are busy benching carnations. They are making a specialty of Mrs. Lawson, devoting two-thirds of their big range of carnation houses to it. They had splendid results with this variety last year but did not get the cut until after Christmas, because of late housing, they think. One of the features of the place this winter will be the new rose, Souvenir de Pierre Notting. Mr. Risch, Sr., saw the stock in Luxembourg last year and thinks highly of it. The color is a deep yellow.

John S. Forster, of Evanston, has disposed of his place and will locate in California, leaving for the coast about August 1. Mr. Forster has been a continuous subscriber to the AMERICAN FLORIST since the first number was issued in 1885 and is one of the original charter members of the Society of American Florists. He has the best wishes of a large circle of friends for success and long life in his new home.

Some of the big Beauty growers have this year found a tidy sum of easy money in the sale of their year-old plants. It was not long ago that the Beauties were dumped when it came time to replant the houses, but now there is a ready market for the old stock, as high as $6 a hundred being realized.

E. E. Pieser, of Kennicott's, thinks there will be ready sale for field grown carnations from now on for a number of nearby growers report losses of plants from the rains. Those who have their stock on high or sandy ground have fine plants.

Louis Gresenz is now installed in his new home on Southport avenue and is happy, for Mrs. Gresenz is recovering from her recent surgical operation, one of almost exactly the character of that performed on the King of England.

The daily papers report that, C. M. Anderson and his wife disagreeing, Anderson offers to give her his business at 14 Colorado avenue if she will raise their two children. He wants to go to Wyoming for his health.

Hugh Woell, of Bassett & Washburn's city force, is able to be about on crutches after six weeks in Alexian Brothers' Hospital as a result of catching his foot in an unprotected elevator.

James Jensen, the landscape architect, will attend the annual convention of the Park and Outdoor Art Association at Boston next month and read a paper on "Parks and Politics."

D. R. Woods, of Los Angeles, Cal., who has been spending a month's vacation at his old home in Pittsburg, Pa., passed through the city July 15 enroute to the coast.

If you failed to get your greenhouse material or other supplies out of Chicago as promised, blame the freight handlers' strike. It tied up shipments for ten days.

Among those who are planning to take in the trip to Asheville are C. A. Samuelson, E. S. Eaders, of his staff, and John Poehlmann.

Miss Florence, daughter of F. F. Benthey and bookkeeper for Benthey & Company, is spending her vacation at New Castle.

Miss Jennie Daniels, bookkeeper for Weiland & Risch, is away on vacation.

All the wholesale houses are closing at five o'clock. Get your orders in early.

E. C. Amling was at New Castle the early part of the week and now is away at the lakes with his family.

Brant & Noe are preparing to add four houses 20x195 to their range.

A. C. Kohlbrand and Max. Ringier are again on duty at Amling's.

Visitors: Harry Balsley, Detroit; E. B. Krieger, formerly gardener for S. H. Barbour, Spokane, Wash., enroute home from Europe.

Milwaukee.

STOCK MORE PLENTIFUL THAN BUYERS — SWEET PEAS IN GREAT OVERSUPPLY.— LARGE STOCKS OF PALMS IN PREPARATION.—ABOUT NEXT YEAR'S CONVENTION. —MANY INSECT PESTS —VARIOUS NOTES.

In the flower market the supply exceeds the demand. Sweet peas are particularly plentiful. If some growers would cut back half the crop so as to break out in new shoots with long-stemmed flowers when almost everyone's crop is off, things would even up in better shape. Roses are soft and off color. Carnations are very poor, except those of Heitman & Baerman, which are almost equal to winter flowers. Some good gloxinias have been appreciated in market as a novelty and some good displays of perennial flowers have met with favor, such as coreopsis, gaillardias, light blue larkspur, candidum lilies, the upright growing white clematis, Spiræa sorbifolia, and so forth.

Concerning the S. A. F. convention, there has been some talk of the next meeting coming here, but when any such rumor is traced to its source it is invariably found to have emanated from outside, perhaps due to some expressions prompted by sympathy. However, don't let these rumors deter any city from making a bid for the convention, because Milwaukee dropped the matter with the best of feelings long ago and has not the slightest desire for taking it up again for some time to come.

Looking forward to fall trade, the C. C. Pollworth Company is filling up its houses with the usual good stock of palms and other decorative plants. In this particular line the hustle of the Holton & Hunkel Company has been somewhat remarkable. Of their plant taken in charge June 1, four houses have already been well prepared and filled with palms in variety. Their new house 40x200 is well under way. The two illustrations on page 900 give just a peep at their latanias and kentias.

The insect enemies to shade trees are out in force. There is an interesting quartette consisting of the elm leaf beetle, elm tree louse, cottony maple scale and the tussock moth. The spraying, thinning and fertilizing of trees is being carried on as never before in this city. The weather being so favorable just now, there is little doubt that, with our aid in spraying, the pests will soon be under control.

There has been too much rain of late, although no serious damage has been done. Trees and all decorative plantings have done well, particularly where subsoils were thoroughly dried out last year.

James Currie has made a decided improvement in remodeling the entrance to Forest Home Cemetery.

Heitman & Baerman, the carnation specialists, have well under way five new short-span houses.

Frank Dilger has pulled down one old house and is rebuilding it somewhat larger. C. B. W.

Buffalo.

LITTLE TRADE AND VACATIONS ARE THE ORDER OF THE DAY.—TWO CELEBRITIES START FOR EUROPE.—CLUB MEETS. — THE ASHEVILLE TRIP.—PERSONAL NOTES.

Trade is very quiet and the weather fine. Funeral work was good last Saturday but nothing doing since then. The store men have started their employes on vacations. W. J. Palmer has just returned from New York. W. F. Kasting and J. B. Wiese started Sunday for Europe. They expect to visit England, France and Germany and will be gone about six weeks.

From the talk it is certain that between six and ten will go to Asheville. President Burton is certainly entitled to a good crowd. We do not know of any city which is desirous of having the 1903 convention. Toronto or Rochester would certainly be good places for it.

The B. F. C. had a meeting last week and arrangements were made for the annual outing. I trust that the enthusiasm will be as great as it was in New York and Denver. Buffalo is still furnishing athletes, even in Denver, for we still have a claim on Phil Scott.

L. H. Neubeck has rented the George Troup greenhouses at Corfu. It shows prosperity and Louis is a hustler.

Jerry Brookins' new houses at Orchard Park are fine and in keeping with the fancy stock turned out there.

Emil Brucker will look after W. F. Kasting's business during his absence.

BISON.

St. Louis.

CLUB MEETS OUTSIDE THE CITY AND HAS A GREAT TIME.—CARNATION COMPANY PLAYS HOST —LITTLE TO SEE IN THE GREENHOUSES AT PRESENT. — PLACE THOROUGHLY MODERN. — NOMINATIONS FOR OFFICES.—VARIOUS DOINGS.—LOCAL MATTERS.

The July meeting of the St. Louis Florists' Club was held last Thursday at the greenhouses of the St. Louis Carnation Company. Twenty-three members and two visitors were present and a very enjoyable afternoon was spent in looking over the place under the guidance of J. W. Dunford and his partner, Mr. Call. Mr. Dunford met the club with wagons at the end of the car line. The first place to be inspected was the machine shop, containing a gasoline engine, a pipe cutter and threader, a steel drill and emery wheel. In the greenhouses the stock was mostly thrown out. One 200-foot house was already replanted, principally with Mrs. Lawson. The field plants are looking fine, as are also the violets, of which some are planted in the house. In the business meeting the nomination of officers resulted in the selection of the following list of candidates: For president, J. W. Dunford; vice-president, George Windler, Henry Emmons and R. J. Mohr; secretary, Emil Schray; treasurer, J. J. Beneke; trustees, F. M. Ellis, H. G. Berning, Wm. Adels, John Steidle and J. Juengel. The election will take place at Edwardsville, Ill., August 14, at the residence of Fred. Ammann. The trustees reported that the Negro Minstrel Band would be engaged for the picnic July 24 and started a collection for expenses. All members, with their friends, are requested to be at the east end of Ead's bridge at 10 a. m., where special cars will be in waiting to take them to the grounds. H. G. Berning gave a short talk, on the best ways of increasing good feeling between the growers and the wholesalers. He brought out some very good points, which were enjoyed by all. Mr. Dunford read a very interesting report of his average cut and returns for the last two years, comparing the months for each year, and showed that though some think one year better than the other, they average the same. After the meeting a very enjoyable lunch was set up by the host and Mr. Steidle then invited the club to visit his place, not very far off. Here were seen some carnations that were very fine for this hot weather, especially Melba. Mr. Steidle has rebuilt his residence that was destroyed by fire some time ago.

Geo. Waldbart has finished repainting his store and greenhouse. He made a very large design this week. It was seven and one-half feet from base to top, an arch with a clock in center. Carnations, roses and gladioli were used.

The Michell Plant and Bulb Company is hard at work fixing up the place. The geraniums, of which they have a large assortment, and chrysanthemums are looking fine in the field.

Mr. Hurst, of Tipton & Hurst, Little Rock, Ark., passed through the city last week on his way to Denver.

R. J. M.

Cleveland.

CLUB MEETS AND PLANS A PICNIC.— FLOWER MARKET PRESENTS DILAPIDATED APPEARANCE. — HAGENBURGER BUILDING.—OTHER NOTES.

The club held its regular meeting last Monday evening, between twenty-five and thirty members being present. The outing committee made its report and recommended Euclid Beach Park as a suitable place for the outing. Tuesday, July 22, was the date selected. It will be an all day affair. Members and their families are requested to be on hand and a pleasant time is guaranteed. There will be all kinds of amusement for old and young.

The flower stands in the Sheriff street market present a weary appearance on a Saturday night, a few palms and rubbers, some belated bedding stock, a bunch or two of cut flowers, and, last but not least, the regulation number of grandmother's bouquets. All they need is the "ruffle" to carry one's memory back several decades, but for all that they find favor in the eyes of a certain class of customers. On August Schmitt's stand was noticed an exceptionally nice lot of carnations, considering the season.

Carl Hagenburger, of Mentor, O., has started on his new range of seven houses, three 20x110 and four 20x89. Palms, ferns and carnations will be grown for the wholesale trade. His stock of young ferns is in fine condition. ECHO.

NEWPORT, VT.—Dr. T. H. Hoskins, the eminent horticulturist, died at his home here June 25.

WOODFORDS, ME.—Hans J. Neilson was married last month without taking his friends in the business into his confidence.

JACKSONVILLE, ILL.—Jos. Heinl hopes to join the St. Louis party to the Asheville convention. He is a very regular attendant at S. A. F. meetings.

DANVILLE, ILL.—Rhoten Brothers & Company are building a greenhouse 34x250 for violets. They are just starting in business, considering this city a good point from which to conduct a shipping business, with trains to Chicago, St. Louis, Indianapolis, Detroit and many smaller cities without change.

THE AMERICAN FLORIST

SEVENTEENTH 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.

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.

ver space sold only on yearly contract at $1.00 per inch, net, in the case of the twn front pages, regular discounts applying only to the back pages.

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-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., Chicago.

THERE continues to be a demand for competent greenhouse help in all departments.

A GOOD coat of white paiat is an investment which many florists make too infrequently.

THE conntry florist shows wisdom when he keeps the place always "tidied up;" it draws trade.

THE showing made this spring by the Crimson Rambler rose is a guarantee of a big demand for it next season.

THERE is a steadily increasing sale for raffia in this country. To have the best success in its use it should be tied dry, just as it is taken from the bales.

WE are indebted to Messrs. Bottomley and Kerstein for an excellent series of Noith Carolina photographic views, one of which appears in this issue, page 899.

INCARVILLEA DELAVAYI has proved hardy in the vicinity of Chicago, with light protection. It is a fine addition to the list of desirable border plants and apparently prefers a sunny situation to one that is shaded.

LEGITIMATE "want" advertisements are an index to a paper's circulation, its standing with the people and its value to general advertisers. Each "want" adv. in the AMERICAN FLORIST is genuine; it pays to answer them.

Greenhouse Building.

Washington, D. C.—A. B. Garden, three houses 30x130.

Fort Dodge, Ia.—P. L. Larson, three houses 22x74.

Salt Lake City, Utah.—Salt Lake Floral Company, five houses 16x165.

Cleveland, O.—G. W. Smith, house 9x65.

Niles Center, Ill.—John Brod, range of houses.

Indianapolis, Ind.—H. W. Riemaa, rose house. Baur & Smith, carnation house.

La Crosse, Wis.—Salzer Seed Company, range of houses.

St. Louis, Mo.—Missouri Botanical Garden, range of houses.

Syracuse, N. Y.—Henry Morris, house 27x100

Milwaukee, Wis.—Holton & Hunkel Company, house 40x200. Heitman & Baerman, five houses.

Chicago, Ill.—Brant & Noe, four houses 20x195.

Brooklyn, N. Y.—H. Stalhut, house 15x65.

Fall River, Mass.—Seth A. Borden, two conservatories.

Heating Surface.

ED. AM. FLORIST:—Under ordinary conditions how many feet of heating surface are required to maintain 70° temperature in a range of 10,000 feet of glass when it is zero outside? J. C. F.

If hot water is to be used from 4,500 to 5,000 square feet will be desirable, but it can be done with 2,500 feet of steam pipe. L. R. TAFT.

Chicago to Asheville.

Everyone from the west and northwest is invited to join the Chicago party to the S. A. F. convention. If you buy through tickets see that they read via Big Four railroad Chicago to Cincinnati. Round trip fare from Chicago, $24.80. Write E. F. Winterson, 45 Wabash avenue, or the AMERICAN FLORIST and accommodations will be reserved for you on the cars from Chicago, which will be a part of the special train from Cincinnati to Asheville.

Washington to Asheville.

If there is any one in Washington or vicinity who has not been seen by the writer in regard to the trip to Asheville for the S. A. F. convention, and who would like to join us, will he kindly let me know at once, so that arrangements can be made for the convenience of all. I can assure all of a delightful time in the wonderful country to which we go this year. The rate from Washington will be $14.95 for the round trip, over the Southern R. R. Quite a number are planning to go in a party and I will be pleased to furnish further information about the trip. P. BISSET,

State Vice-President.

Twin Oaks, Washington, D. C.

Piping a House.

ED. AM. FLORIST:—Would be pleased to be advised how many runs of 1-inch pipe will be required for steam in a greenhouse 20x100 to maintain 60° when the temperature outside is 15° below zero. The walls of the house are five and eight feet respectively, and the ridge twelve feet. What size flow and return pipes should be used? H. N.

The house can be heated as desired by means of fifteen 1-inch steam pipes. Although a 2-inch pipe might be used, it will be better to have a 2½-inch flow and either a 1½-inch or 2-inch return. If the main is run through the house and feeds the coils at the farther end it will take the place of two of the returns.

L. R. TAFT.

Heating With Flues.

ED. AM. FLORIST:—I have two greenhouses, one a lean-to nine feet wide and nineteen feet long, built just back of the store and potting shed, attached to and protected by them. The other is an even-span house 11x27 running at right angles to the lean-to, the two houses being connected. How can I heat these two houses by flues from one furnace? If this is not feasible what is the best arrangement for two furnaces. The temperature outside sometimes goes 14° below zero. The houses are used for palms, ferns and miscellaneous house plants and bedding stock. In Nebraska which will be more economical, coke or wood? C. N.

If a good rise can be given the flue and a good draft can be secured it will be possible to use one flue running through both houses. Otherwise it will be necessary to build two furnaces and run one flue in each house. It will not be satisfactory to run two flues from one furnace unless it is constructed with two fire boxes. The economy of the two kinds of fuel cannot be stated without knowing what they cost. Either will give good results. If coke is cheap I would advise that it be given a careful trial, as if the furnace is shut up after the fire is well started it will give off a steady heat for a long time. L. R. TAFT.

White Ants or What?

ED. AM. FLORIST:—Our gardener is in trouble and has been for the past two seasons and he now turns to you for information and possible relief. We have a great number of flower beds on the grounds and something has attacked and destroyed them to such an extent that the beds were replanted sometimes twice over. He showed me the cause to-day and at the roots are numerous insects, whitish in appearance which bore into the stalks and make them as hollow as pipe stems, eventually destroying the plant. He has been advised to dose them with coarse salt, and that is what he has done for three springs, but this year they seem as bad as ever and he is discouraged. Can you suggest any remedy? They look to me to be white ants; just the form and actions of aats. This last spring he changed the loam entirely, thinking perhaps that would improve matters, but without any improvement. Do you recognize this condition and can you suggest any remedy? J. W.

I think there is very little doubt that the damage described is due to the white ant (Termes flavipes). In addition to the better known and more serious damage which they often cause to buildings or to books and papers, they occasionally become a distinct pest in greenhouses and conservatories, attacking cuttings and the roots and stems of plants. The damage is apt to be more noticeable in the case of large-stemmed herbaceous plants such as geraniums, but the injury is not infrequent in the propagating benches and on roots of smaller plants. The source of the termite in greenhouses is usually the woodwork of the building, or plant benches, which, when somewhat moistened and partly decayed, are especially attractive to these insects. From such locations they carry their galleries to the roots of plants. In one instance the termites were found working on the label sticks, the removal of which gave immediate relief. The remedy is not always easy, unless the old wooden framework of the benches and propagating beds be removed and replaced with a framing of gas pipe and stone plates. The individuals about the plants can often be killed by injecting into the ground about the plants kerosene emulsion or bisulphide of carbon, using the latter, however, in very small quantities and not too near the plants, otherwise the death of the latter will result.

All such remedies are merely palliative, for unless the woodwork in which these creatures are breeding is examined and corrected they will continually re-introduce themselves among the plants. Creosote is an effectual preventive. The means of controlling this pest are given in detail in circular No. 50, second series, of the U. S. Department of Agriculture, Washington, D. C. C. L. MARLATT.

OBITUARY.

WILLIAM J. CROWE.

At the age of 32 years, William J. Crowe died at Denver, Col., on July 11, after a brief but ineffectual struggle to regain his health. He went west nearly two years ago, from Utica, N. Y., in which city his father, Peter Crowe, has successfully conducted a large rose growing establishment for many years. The sincere sympathy of the craft goes out to the bereaved wife and two little daughters and no less to the aged father and mother whose dearest hope has been to save this only child. He was esteemed by all who knew him and was affectionately called "Billy" by his acquaintances. Exactly one week before his death he attended a picnic of The Park Floral Company employes, where he responded to a toast and feelingly alluded to the affection which he recognized was evidenced by this nickname. He made a brave fight and was cheerful and sunny to the last. Fortunately when the end came it came quickly and without pain. Mr. Valentine accompanied the widow and the remains to Utica where the interment took place under the auspices of the Masonic order.

SAN ANTONIO, TEX.—Mrs. C. Hauser has a fine range of glass and a good business, although trade is always quiet here in midsummer. The business was established thirty years ago. Mrs. M. Frederich is another successful florist. She succeeded Hensel & Company some years ago and, besides her gardens and greenhouses at 102 Cherry street, has a store at 313 Alamo Plaza.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (six words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1902 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED—By all-around grower, 10 years in one place. Reference. West preferred. WM. KIRKHAM, 148 Dearborn St., Chicago.

SITUATION WANTED — By a thoroughly experienced young lady, who is a good designer, saleslady and book-keeper. Address G L, care American Florist.

SITUATION WANTED—By young man in commercial place, American, married, 5 years' experience. Al references. Address HUSTLER, care American Florist.

SITUATION WANTED—By a young man, age 23, in a floral store; good designer and decorator, 6 years' experience, first-class references. Address STORE, care American Florist.

SITUATION WANTED — By young man, 18 years, as helper; 3 years' experience; sober, honest and willing to work. Address JOHN EBINGER, 109 Charleston St., Louisville, Ky.

SITUATION WANTED—As working foreman, in western states; 19 years' experience in growing cut flowers and general stock; age 35. Address E. HORN, 1200 Olive St., St. Louis, Mo.

SITUATION WANTED — By first-class all-around grower and florist, roses, pinks, etc., general stock; sober, reliable, married man; references; commercial or private. East preferred. GROWER, care W. J. Stewart, 79 Milk St., Boston.

SITUATION WANTED—As foreman by a practical florist. A No. 1 grower, with eight years' experience. Good references as to ability and habits; a hustler. Distance no object. Good wages expected. Address T E, care American Florist.

SITUATION WANTED—To take charge of a private estate, or as manager of commercial business. Large experience in greenhouse and out of door work, and capable of filling either position to satisfaction of employer. Address A B, care American Florist.

SITUATION WANTED—By Aug. 4, a first-class carnation grower, aged 28, German, experienced in every branch of the trade, would like to take charge of department or run a medium sized place. First-class recommendations as an honest, sober and faithful worker. Good wages expected. Address ALABAMA, care American Florist.

WANTED—Rose section man. Call or write. BRANT & NOE, Forest Glen, Ill.

WANTED—Rose grower to take charge of section; steady position to right party. J. F. WILCOX, Council Bluffs, Iowa.

WANTED—A man with experience in growing roses. References required. ROBT. SCOTT & SON, Sharon Hill, Del. Co., Pa.

WANTED—Greenhouse men; steady work; will pay good wages. With or without board. Address R, care American Florist.

WANTED — Experienced carnation grower; good wages and steady employment to right man. J. D. THOMPSON CARNATION CO., Joliet, Ill.

WANTED—Florist, single, German, middle age, with good reference to grow cut flowers and pot plants. MRS. GEO. WALDBAUER, Saginaw, Mich.

WANTED—Two young men to work in greenhouses—Roses and carnations. State wages wanted with board. Address COLE BROS., Box 577, Peoria, Ill.

WANTED—Rose growers and helpers; also one man that understands growing chrysanthemums. The highest wages and steady work. BASSETT & WASHBURN, Hinsdale, Ill.

WANTED—A young man with some experience in greenhouse work. State wages with room and board. Must be sober, reliable and good worker. FRED. J. KING, Ottawa, Ill.

WANTED—Assistant in rose and carnation houses, also boy to learn the business. State age and wages wanted, including board and washing. Apply to JOHN L. WYLAND, De Haven, Pa.

WANTED—A young man who understands something about orchid and fern growing. State where last employed and wages wanted, with board. Address J. M. GASSER CO., Euclid Ave., Cleveland, O.

WANTED—A good A No. 1 rose grower, one that is able to take entire charge, at times, of a general retail establishment of 10,000 feet of glass. State wages expected and references. Address OHIO, care American Florist.

WANTED AT ONCE—A good florist; must be sober, honest and good worker, one that is capable of taking full charge of medium sized place, and grow roses, carnations and 'mums, and plants for retail trade; $30 per month and board. S. GIBBS, Woodville, Pa.

WANTED—Good rose, carnation and 'mum grower, also general greenhouse work, small retail place; must be honest, sober, and good worker. State age, wages wanted. References. Steady position to right man. Address W, care American Florist, Chicago.

FOR SALE — Greenhouses and dwelling, (no stock), centrally located in city of 4,500; long established paying business; no competition; 3,200 feet of glass. Cause, death of owner. Address MRS. MARY BEZNER, Extrix., Jerseyville, Ill.

FOR SALE — In Leominster, Mass., florist's business with large stock and supplies; best location in town. Owner is about removing from town and will sell out. This is your opportunity. Address A. L. WALKER, Leominster, Mass. Telephone 127-13.

FOR SALE—2,000 feet second-hand greenhouse glass in good condition; no putty on. Price, $3.50 per 100 feet. Also pipe, from 1-inch to 4-inch; not cast stuff; fittings and sash bars. Let me hear from you if you can use any of these. CHARLES HELM, Stevens Point, Wis.

FOR SALE OR LEASE—In a city of about 50,000 population, a well established greenhouse plant of 2,500 feet of glass, good dwelling, barn and everything complete. Will sell on easy terms or rent as long as parties want, but parties leasing same must buy stock. Don't answer unless you mean business. B J, care Am. Florist.

FOR RENT—At Frederick, Md., greenhouses in complete order, 162x20, 63x18, 107x11, boiler room 60x18, equipped with No. 8 Furman boiler, small heater and all necessary pipes; large mushroom pits, stable, two acres of ground; dwelling for rent in immediate neighborhood; coal, manure, labor cheap, city water; no stock on hand. Rent $300 per annum, half payable in advance every six months. Ill health of owner compelled retirement from successful business; principally vegetables under glass and mushrooms for Washington and New York. Address HENRY TRAIL, Frederick, Md.

Wanted.

Married man, no family, Protestant, one familiar with greenhouses and grounds. State references, age and wages. Only first-class men need apply. Address STEADY, care American Florist.

Wanted Experienced Grower

as second man on commercial place, wages $40.00 per month with modern house, rent free. A steady position is assured to a competent and reliable man of good character; must be married, with small family, and willing to board his employer.

HARRY DONNELLY,
ROSEBANK, Station B., CINCINNATI, O.

MUSHROOMS.

The best established mushroom growing plant in Chicago; most complete equipment; largest fancy trade; for sale or rent cheap, immediately. Address MUSHROOM,
3236 Prairie Ave., Chicago, Ill.

FOR RENT—19 Greenhouses.

About 26,000 square feet of glass, near Philadelphia, population 80,000, no wholesale place in the city. Rent $60 per month; ower will take rent in cut flowers for his retail place.

BROOKSIDE GREENHOUSES, Reading, Pa.

FOR SALE.

Complete Floral Establishment
AT WHITE HALL, ILL.

Only one there: 6,000 feet of glass, steam heated; also dwelling adjoining, all in good condition. Terms easy. Address
P. H. BRUECK, Decatur, Ill.

FOR SALE,
IRON TANK
16 ft. long, 8 ft. wide, 3 ft. deep.
IN GOOD CONDITION.
KENNICOTT BROS. CO. 42-44 Randolph St., Chicago, Ill.

Stenographer, Typewriter, Bookkeeper

And party to take general charge of office wanted by eastern firm doing general Florist and Nursery business. Please apply with full particulars, salary expected, references, etc., to

EXPERT, care Wm. J. Stewart,
79 Milk St., Boston, Mass.

For Sale, a First-Class Florist's Establishment

containing over 20,000 feet of glass, consisting of 9 houses all in fair condition. Doing a large growing business, wholesale and retail, and is situated within 4 miles of City Hall, Boston. Must sell on account of sickness. The above houses and stock can be bought for $6,500. Cost of buildings alone was over $12,000. There are over 45 000 feet of land which can be bought for a reasonable price, or will lease the land for any number of years. This land is increasing very fast in value. Located on the best avenue around Boston, 2 minutes walk from steam cars, and electric cars pass the door every minute.

Address BOSTON, care American Florist.

Pittsburg.

NOTHING OF IMPORTANCE DOING IN A TRADE WAY.—OUTDOOR FLOWERS HELP MEET DEMAND. — DOINGS OF PROMINENT GROWER.—VARIOUS OTHER NOTES.

There are absolutely no features connected with trade to arouse the slightest interest. We are at last getting reasonable weather and this will be most acceptable to the men working under glass. Gladioli and asters are plentiful and fine in quality, bringing good prices. Roses are much improved over last week. Harrisii lilies are still to be had and frequent calls are made for them. Genevieve Lord is the best carnation we get. Joost is fair, but the whites are inclined to look sleepy. The sale of palms is active.

Fred. Burki's houses, at Bellevue, have been reduced from thirty-six to twenty-six in number. Five of these were destroyed by the great wind storm last Easter. The others were dismantled at convenient periods, and it is Mr. Burki's intention to do away with the Bellevue establishment altogether and put this property on the market. He devotes his entire time to the Pittsburg Carnation Company's plant at Bakerstown.

Otto Reisch and Harry Graves, of Beloit, Ohio, report that they are making rapid progress in the completion of their new houses. Roses and carnations are to be their specialties.

Julius Ludwig is preparing to go east. A trip on the Hudson and a visit to Boston will be two of the features.

Sam. McClements and family will spend the summer at Bakerstown, where he has a large stock farm.

Fred. Burki will attend the S. A. F. convention at Asheville. E. L. M.

Newport, R. I.

"The First Grand Horticultural Exhibition" of the Newport Horticultural Society will be held at the Casino, Newport, R. I., July 22 and 23. The schedule provides for displays of plants, cut flowers, fruits and vegetables and the prize money aggregates a handsome sum. Secretary Thomas Fieldhouse reports entries to insure a very successful show. Among the special prizes are three offered by Mrs. Perry Belmont, aggregating $95 for groups of miscellaneous plants, $25 by F. P. Garrettson for groups of palms and foliage plants, a silver cup and $15 offered by Mrs. Burke-Roche for groups of caladiums and ferns, F. Neilson's cup and $10 for display of gardenia blooms, Mrs. Fish's cup and $15 for stove and greenhouse plants, $25 for groups of ferns, $25 for displays of carnations, $25 for fancy basket of flowers and $50 for table decorations. The society's prizes include $35 for displays of orchids and $35 for mantel decoration, the latter competition open to florists only. The S. A. F. medals are offered for new plants.

FANCY and DAGGER FERNS
75 CENTS PER 1000.
BRONZE OR GREEN GALAX $1.00 PER 1000.
LAUREL FESTOONING, just the thing for summer decorations, only 4, 5 and 6c per yd. Discount on ferns and laurel in large quantities.

Millington, Mass.
Tel. office, New Salem.

McKELLAR & WINTERSON CO.
Supply Everything Used by Florists, Nurserymen, Gardeners, Seedsmen..... Cemeteries, Parks, Etc.
HEADQUARTERS on CUT-FLOWERS
45-47-49 Wabash Ave.
Telephone Main 1129. **...CHICAGO**

Wholesale Flower Markets

MILWAUKEE, July 17.

Roses, Beauty, med, per doz.	1.00@ 1.50
" " short "	.50@ .75
" Liberty	6.00@ 8.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	4.00@ 6.00
" Golden Gate	4.00@ 6.00
" Perle	4.00@ 6.00
Carnations, ordinary	1.0 @ 2.00
Sweet peas	.10@ .25
Adiantum	.75@ 1.00
Smilax	18.00@20 00
Asparagus	65.00
Common ferns	.25

PITTSBURG, July 17.

Roses, Beauty, specials	20.00@25.00
" " extras	10.00@15.00
" " No. 1	4.00@ 6.00
" " No. 2	2.00
" Bride, Bridesmaid	1 00@ 5.00
" Meteor	.50@ 2.00
Carnations	.50@ 2.00
Asters	1.00@ 1.50
Lily of the valley	2.00@ 3.00
Harrisii lilies	10.00@12 50
Gladioli	4 00@ 8.00
Sweet Peas	.20@ .50
Smilax	10.00@12.50
Adiantum	.75@ 1.00
Asparagus	35.00@40.00

CINCINNATI, July 17.

Roses, Beauty	10.00@20.00
" Bride	2 00@ 4.00
" Bridesmaid	2.00@ 4.00
" Meteor	2.00@ 4.00
" Perle	2.00@ 4.00
" Liberty	2.00@ 4.00
" La France	3.00@ 4.00
" Kaiserin	3.00@ 4.00
Carnations	.75@ 1.50
Lily of the valley	3.00@ 4 00
Sweet peas	.20@ .25
Asparagus	50.00
Smilax	12.50
Adiantum cuneatum	1.00
Common ferns	.15

ST. LOUIS, July 17.

Roses, Beauty, short stem	3.00@12 00
" Bride, Bridesmaid	2.00@ 4.00
" Golden Gate	2.00@ 5.00
Carnations, ordinary	.75@ 1.00
" choice	1.50
Asters	1.00
Hollyhocks	1.00
Gladioli, Tuberoses	3.00@ 5.00
Ismene lilies	5.00@ 6.00
Lily of the valley	3.00@ 4.00
Sweet peas	.25
Smilax	12.50@15.00
Asparagus Sprengeri	1.00@ 1.50
" Plumosus	1.00@ 1.50

"Fumigation Methods"
BY PROF. JOHNSON.
Every Grower needs this book..... Price **$1.00**
AMERICAN FLORIST COMPANY,
324 Dearborn Street, ...CHICAGO.

E. H. Hunt,
WHOLESALE.....
Cut Flowers
THE "OLD RELIABLE,"
76 Wabash Ave., CHICAGO.

Poehlmann Bros. Co.
Wholesale Growers of and Dealers in **Cut Flowers**
All telegraph and telephone orders given prompt attention.
GREENHOUSES: Morton Grove, Ill.
35-37 Randolph Street, CHICAGO, ILL.

The Cincinnati Cut Flower Co.,
437-439 Main St. CINCINNATI, O.
WHOLESALE FLORISTS.
Consignments Solicited.
Special Attention Given to Shipping Orders.

HEADQUARTERS IN MICHIGAN FOR FANCY CUT FERNS.
Michigan Cut Flower Exchange.
Fancy fresh cut Ferns, $1.00 per 1000. Discount on large orders. Give us a trial for Ferns the year around.
BRONZE GALAX, $1.00 per thousand.
28 Miami Ave., DETROIT, MICH.

H. G. BERNING
Wholesale Florist
1322 Pine St., ST. LOUIS, MO.

Frank M. Ellis,
WHOLESALE FLORIST,
1316 Pine Street, ST. LOUIS, MO.
CONSIGNMENTS SOLICITED.

C. A. KUEHN,
Wholesale Florist,
1122 PINE STREET.
ST. LOUIS, MO.
A complete line of Wire Designs.

Pittsburg Cut Flower Co. Ltd
WHOLESALE FLORISTS.
Pittsburg, Pa.
Please mention the American Florist when writing.

.....If your.....
Business Methods
are right you can make a profit on an advertisement here.

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76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Avenue, CHICAGO.

FRANK GARLAND,

Wholesale Grower of **Cut Flowers**

SPECIAL ATTENTION GIVEN TO HARDY CUT **FERNS**

55-57 WABASH AVENUE,

Telephone Central 3284. CHICAGO.

GEO. REINBERG,

Wholesale Grower of *Cut Flowers*

Choice American Beauties.

We will take care of your orders at reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.

Headquarters for American Beauty.

51 Wabash Ave., - CHICAGO, ILL.

JOHN MUNO,

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TELEPHONE CENTRAL 3598. All telegraph and telephone orders given prompt attention.

Holton & Hunkel Co.

Wholesale Florists.

457 Milwaukee St., MILWAUKEE, WIS.

GALAX Bronze or green, 75c per 1000, in 2 00 lots or over; single 1000, $1.00. Fern, Fancy, $2.50 per 1000; Fern, Dagger, $1 50 per 1000. Leucothoe Sprays, bronze and green, assorted sizes, $1 per 100. Green sheet moss, $2.50 per bbl. bag.

L. J. KRESHOVER,

110-112 W. 27th Street, NEW YORK CITY.

Telephone call, 597 Madison Square.

HARRY A. BUNYARD, Mgr.

NEW YORK AND ATLANTIC CITY

at $18.00 for the round trip, via Nickel Plate Road, July 17th and 31st. Return limit 12 days. Stopover at Chatauqua Lake and Niagara Falls within final limit. City Ticket Office, 111 Adams St. John Y. Calahan, General Agent, Chicago, will be pleased to give detailed information. 38

American Florists Ads Always do business, Week days and every day Sundays and holidays, All over the country, At home and abroad.

E. C. AMLING,

PRICE LIST.

BEAUTIES.		
24-inch stems, per doz.,		$2 00
20 " " "		1 50
16 " " "		1.00
12 " " "		.75
6 to 8-in, " per 100	$4.00	5.00
		Per 100
Brides	$2.00	4.00
Maids	2.00	4 00
Meteors	2.00	4.00
Gates	2.00	4.00
Carnations	1.00	1.50
Callas per doz.,	1.00	1.25.
Auratums, per doz., 1.25 1 50		
Sweet Peas	.25	.40
Valley, select	4 00	5.00
Marguerites	.40	.50
Asparagus plumosus, per stg,		.50
" Sprengeri	2.00	4.00
Galax " 1.25;		.15
Ferns per 1000, $1.00,		.15
Adiantum	.50	.75
Smilax per doz.,	1.25	1.50

Prices subject to change without notice

The Largest, Best Equipped and Most Centrally Located Wholesale Cut Flower House in Chicago.

All Flowers In Season.

During July and August, we close at 5 p. m.

Long distance 'Phones 1977 and 1999 Central.

32-36 Randolph St. CHICAGO, ILL.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

Wholesale Flower Markets

CHICAGO, July 18.

Roses, Beauty, 24-inch stems	2.00
" " 20 " "	1.50
" " 15 " "	1.00
" " 12 " "	.75
" " 6 to 8 " " per 100	4.00@ 5.00
" Brids, Bridesmaid	2.00@ 4.00
" Meteor	2.00@ 4.00
" Perle	2.00@ 4.00
" Golden Gate	2.00@ 4.00
Carnations	1.00@ 2.00
Lily of the valley	4.00@ 5.00
Harrisii	6.00@10.00
Auratums, per doz., 1.00@1 50	
Cattleyas per doz. 6.00	
Sweet peas	.25@ .40
Asparagus, per string, .50	
Adiantum	.50@ .75
Common ferns, per 1000, 1.00@1.50	.15@ .20
Galax leaves, per 1000 $1.25	.15
Smilax per dozen 1.25@ 1.50	

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florists

31-35 Randolph St., CHICAGO.

☞ Consignments solicited.....

Extra Fine VALLEY

During the summer, $1.00 to $5.00 per 100.

H. N. BRUNS,

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WHOLESALE

Cut Flowers,

51 WABASH AVENUE,

'Phone Central 3155. .....CHICAGO.

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WHOLESALE FLORISTS and FLORAL SUPPLIES.

Receivers and Shippers of Fresh Cut Flowers.

Special attention to shipping orders. A complete line of Florists' needs. Send for price list. Prompt returns on all consignments.

128 N. Sixth St. MINNEAPOLIS, MINN.

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A. L. Randall,

WHOLESALE FLORIST.

4 Washington Street, CHICAGO.

Send for weekly price list and special quotations on 1000 lots.

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CHICAGO'S RELIABLE

Wholesale Growers and Shippers of

CUT FLOWERS,

59 Wabash Ave., Chicago.

SEND FOR WEEKLY PRICE LIST.

WHOLESALE FLORISTS

Please mention the American Florist when writing.

AMERICAN FLORIST ADS ALWAYS DO BUSINESS

Week days and every day, Sundays and holidays,

ALL OVER THE COUNTRY AT HOME AND ABROAD.

Select VALLEY IN QUANTITY.

During July and August will be open from 7:30 A. M. to 6.00 P. M. Saturdays, close at 1.00 P. M.

SAMUEL S. PENNOCK, Wholesale Florist,
1612-18 LUDLOW ST., PHILADELPHIA, PA.

GEO. A. SUTHERLAND,
34 Hawley St., BOSTON.
Telephone 1270 Main.
BEST BOSTON FLOWERS. All Supplies. An entire floor Devoted to Stock and Manufacturing. Distributing Agent for United States for the wonderful

"Koral" LETTER, unequalled for design work. Script, any color, 3½c a letter. Block letters, 1½c each. The most elaborate design work to order in a few minutes.

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REED & KELLER, New York City.

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SEASONABLE FLOWERS.

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WELCH BROS., PROPS.
9 CHAPMAN PLACE, 15 PROVINCE STREET. Boston, Mass.

J. K. ALLEN
Fresh Flowers
— FOR —
Late Weddings
and any other occasion at bed-rock market rates.
106 W. 28th St., NEW YORK.
Telephone 167 Madison Square.
OPEN AT 6 A. M. DAILY.

N. F. McCARTHY & CO.
Best Quality
CUT FLOWERS
and Supplies,
Tel. 734 and 64 Main. 84 Hawley St., BOSTON.

N. Y. CUT FLOWER EXCHANGE
Coogan Bldg, 6th Ave. and W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning .....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.

$18.00 TO NEW YORK CITY
And Atlantic City and return via Nickel Plate Road, July 17 and 31, and August 7th and 14th, return limit 12 days. Stopover at Chatauqua Lake and Niagara Falls within final limit. City Ticket Office 111 Adams St. Write John Y. Calahan, General Agent, Chicago, for particulars. 37

Wholesale Flower Markets

BOSTON, July 16.

Roses, Beauty, extra	10.00@20.00
" " medium	5.00@ 8.00
" " culls	.50@ 2.00
" Queen of Edgely	10.00@16.00
" Bride, Bridesmaid, Meteor	.50@ 2.00
" extra	4.00@ 8.00
" Kaiserin Carnot	3.00@ 8.00
Sweet peas	.05@ .10
Carnations	.25@ 1.00
Lily of the valley	2.00@ 4.00
Lilies	3.00@ 5.00
Adiantum	.75@ 1.00
Asparagus	50.00
Smilax	10.00@12.00

PHILADELPHIA, July 16.

Roses, Tea	4.00@ 6.00
" " extra	7.00@ 8.00
" Beauty, extra	20.00@25.00
" " firsts	10.00@15.00
" Queen of Edgely, extra	20.00@25.00
" " " firsts	10.00@15.00
Carnations	1.00@ 3.00
Lily of the valley	3.00@ 4.00
Asparagus	25.00@50.00
Smilax	12.50@15.00

BUFFALO, July 17.

Roses, Beauty	6.00@35.00
" Bride, Bridesmaid, Meteor	4.00@ 7.00
Carnations	1.00@ 2.00
Sweet peas	.25@ .50
Lily of the valley	3.00@ 4.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.50

Give Us a Trial. We Can Please You.

Roses, Carnations and all kinds of Seasonable Flowers in stock.
WM. F. KASTING, Wholesale Commission Florist,
481 Washington St., Buffalo, N. Y.
Dealer in Florists' Supplies and Wire Designs.
Open Day and Night.

THE
NEW YORK CUT FLOWER CO.
55 and 57 West 26th St.,
WHOLESALE FLORISTS,
Daily Reports. Weekly Payments.
TELEPHONES: 2239 Madison Sq. 2034 Madison Sq.
J. A. MILLANG, MANAGER.

GEORGE SALTFORD,
Wholesale Commission Florist,
46 West 29th Street, NEW YORK.
Fair dealing and prompt returns guaranteed. Correspondence solicited.

ROVATZOS & MOLTZ
Buy and Sell.... FLOWERS on Close Margin.
Headquarters, 56 West 26th Street,
WRITE, TELEGRAPH OR TELEPHONE. Opposite Cut Flower Exchange, NEW YORK CITY.

HARDY Cut Dagger and Fancy Ferns.
A No. 1 quality $1 per 1000.
Brilliant Bronze and Green Galax, $1 per 1000, in 5,000 lots.
Laurel Festooning, 4, 5 and 6c per yard. Orders by mail, telephone or telegraph promptly attended to. Discount on large orders. L. D. telephone 2618 Main.
HENRY M. ROBINSON & CO., 32-36 Court Sq., Boston.

GARDENING
This is the paper to recommend to your customers, the leading horticultural journal in America for amateurs ....
$2.00 Per Year. Sample Copies Free.
Liberal terms to florists who take subscriptions.
THE GARDENING CO. MONON BUILDING, Chicago, Ill., U.S.A.

THE AMERICAN FLORIST'S
COLOR CHART
PRICE 15 CENTS POSTPAID.
AMERICAN FLORIST CO., Dearborn St., Chicago, Ill.

During July and August store will be open from 7 a. m. to 6 p. m.

LEO. NIESSEN,
N. W. corner 13th and Filbert Streets, Philadelphia.

FOR SEASONABLE FLOWERS

SEND TO

JOHN I. RAYNOR, WHOLESALE COMMISSION FLORIST.

Telephone 1998 Madison Square — 49 W. 28th St., NEW YORK.

YOUNG & NUGENT

Tel. 2065 Madison Sq. NEW YORK. 42 West 28th St.

Are supplying the most superb stock of SUMMER FLOWERS ever offered to New York buyers. Meteor, Liberty, Beauty, Bride and Maid Roses. Splendid Cattleyas Gigas and Mendellii.

SEND FOR QUOTATIONS.

Walter F. Sheridan,

Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Telephone Nos. 2239 and 2034 Madison Square.

MOORE, HENTZ & NASH

Wholesale Commission Florists,

65 and 57 West 26th St., NEW YORK CITY.

Adjoining New York Cut Flower Co. salesroom. Finest Salesroom in the Trade. Inspection Invited. All business, selling or shipping, strictly commission.

WHOLESALE WILLIAM GHORMLEY, COMMISSION

RECEIVER AND SHIPPER OF FRESH CUT FLOWERS. DAILY STOCK OF ALL THE CHOICEST VARIETIES FROM BEST GROWERS WHO SHIP TO NEW YORK.

ORCHIDS, ROSES, CARNATIONS, VALLEY.

Telephone 2200 Madison Square, 57 WEST 28th STREET, NEW YORK CITY.

JOHN YOUNG

Special American Beauties, Surpassing Carnations, Lily of the Valley, Orchids, and all Seasonable Flowers.

51 West 28th St., NEW YORK.

Tel. 1905 Madison Sq.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR

Violets and Carnations

GROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER,

30 West 29th St., New York.

Telephone 551 Madison Square.

Frank Millang

Open from 6 a. m. to 5. p. m.

Cut Flower Exchange, 55-57 W. 26th St.

Phone 299 Madison Square. NEW YORK.

ESTABLISHED 1872.

JOHN J. PERKINS,

COMMISSION FLORIST,

Solicits Consignments or Shipping Orders. Satisfaction given in both.

Write for Terms. 115 West 30th St., New York.

Bonnot Bros.

WHOLESALE FLORISTS.

55 and 57 W. 26th St. Cut Flower Exchange, New York.

OPEN 6:00 A. M.

An Unequalled Outlet for Consigned Flowers.

Choice Carnations. Selected Roses.

Traendly & Schenck

NEW YORK CITY,

38 W. 28th Street, Cut Flower Exchange.

New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

NEW YORK, July 16.

Roses, Beauty, select	15.00@25.00
" " medium	5.00@12.00
" " culls	.50@ 2.00
" Bride, Bridesmaid	.50@ 6.00
" Liberty, Meteor	1.00@ 5.00
" Testout, Kaiserin, Carnot	1.00@ 5.00
Carnations	.25@ 1.00
Lily of the valley	1.00@ 2.00
Callas, Lilies	3.00@ 5.00
Sweet peas, per 100 bunches,	1.00 2.00
Cattleyas	25.00@40.00
Smilax	8.00@10.00
Adiantum	.50
Asparagus	35.00@50.00
" Sprengeri, per doz. bun.	2.00@ 3.00

CHAS. MILLANG,

50 W. 29th St.,

NEW YORK.

When writing to any of the advertisers on this page please mention the American Florist.

FORD BROS.

Receivers and Shippers of

FRESH FLOWERS,

111 West 30th St., NEW YORK.

Telephone 157 Madison Square.

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53 West 30th Street, NEW YORK.

REPRESENTS THE BEST GROWERS OF

ROSES, CARNATIONS, VALLEY.

TELEPHONE 280 MADISON SQUARE.

ALEX. J. GUTTMAN,

Wholesale Commission Florist,

A full supply daily of the choicest New York and New Jersey

FLOWERS.

52 W. 29th Street, NEW YORK CITY.

Telephone 1738 Madison Square.

A. H. LANGJAHR,

Wholesale Commission Florist,

BEST FLOWERS SHIPPED AT LOWEST NEW YORK PRICES.

19 Boerum Place, Brooklyn, N. Y.

TELEPHONE 939 MAIN.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 905 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE.

EDW. C. HORAN.

47 WEST 28TH ST.,

Tel. 421 Madison Square, ...NEW YORK.

CUT FLOWERS AT WHOLESALE.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.
WALTER P. STOKES, Pres.; C. N. PAGE, First Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

NEBRASKA prospects for Evergreen seed corn are reported poor.

JOHN DEGNAN, of Chicago, left that city for Minneapolis, Minn., July 17.

PEAS in the Sturgeon Bay, Wis., district are looking well except on low lands.

VISITED CHICAGO:—Wm. Markurth, of the Harnden Seed Company, Kansas City, Mo.

JAMES MCHUTCHISON, of New York, sailed from that city for Europe on the S. S. Barbarossa July 17.

LATEST reports indicate a crop shortage of fifteen per cent from early estimates on Roman hyacinths in grades above twelve centimeters.

NEW ORLEANS, LA.—Armand Kerlec & Son are well satisfied with their mail order business, which was inaugurated last January. This firm is adding a warehouse for onion sets to its facilities.

M. M. MIESSE, of Lancaster, Ohio, has been awarded a contract from the government for a limited amount of tomato seed of the variety known as Maule's Success, according to the *Cannery Producer*. This variety was originated by Mr. Miesse.

SOUTH HAVEN, MICH.—The continued wet weather has done more or less damage to growing seed crops and at this time it looks as if there is likely to be a shortage on Dwarf Champion and Trophy tomatoes and on Scarlet Olive, Half Long Scarlet, Cincinnati Market and Chartier radishes. All other items promise a full crop.

BAY CITY, MICH.—The Harry N. Hammond Seed Company, Limited, increased its capital stock July 1. The officers of the company are Harry N. Hammond, chairman; P. H. Gage, secretary and treasurer, and S. Allan Wilson, superintendent. This concern has purchased another lot of land about two blocks from their present location for a new four-story warehouse to be used in connection with the old plant.

Onion Set Prospects.

The onion set prospects about Chicago have not improved recently. The heaviest rainfall of the season occurred July 18, putting all the low lands afloat again. Dry weather is badly needed for pulling, which on some of the earliest lots should begin the coming week. The present outlook is for sixty per cent of a crop.

Michigan Bean and Pea Crops.

One of our well informed correspondents in Michigan writes as follows under date of July 9:

Frequent heavy rains in June seriously damaged the Michigan bean crop in the central and northern sections. Many fields on flat lands were ruined, and most of those remaining look pale and sickly. June conditions were most favorable for the pea crop, except that the growth was too rapid to be hardy. All varieties made a phenomenal growth. Nott's Excelsior, Gradus, Thos. Saxton and Gems are perfect. First earlies are, for the greater part, out of danger, but hot weather and high winds would work havoc with the second early and late varieties, owing to their very rapid and tender growth of vine.

The Nebraska Seed Crops.

Another of our Nebraska correspondents writes as follows, July 11: "We have to report that vine seed crops are disastrously damaged by rain and flood throughout the district. The rainfall has been so heavy as to flood all low lying fields and both the Platte and Elkhorn rivers have overflowed and destroyed large areas of crops. The crops that escaped the overflow are late and small owing to much rain and cold weather and the impossibility of giving them proper cultivation. We cannot tell the extent of the damage yet, or make itemized reports, but would advise purchasers of vine seeds to protect themselves as far as possible on all varieties."

THE LATE W. J. MANDEVILLE.

Death of W. J. Mandeville.

W. J. Mandeville, of the firm of Mandeville & King, Rochester, N. Y., died July 14, at his summer home, Despatch, N. Y., after a long illness. Mr. Mandeville was born in Webster, N. Y., February 9, 1852. He graduated from the DeGraff Military Institute, of Rochester, and later was connected with the firm of S. Boardman & Son, nurserymen and seedsmen. In 1875 he commenced in the flower seed business in his own name, and in 1879 became associated with Herbert S. King under the firm name of Mandeville & King. On the death of his partner in 1890, he formed a partnership with Fred. B. King, under the same firm name. The firm has been incorporated during the present year, Mr. Mandeville being chosen president. He was also a director in James Vick's Sons, and vice-president of the Cleveland Seed Company.

Mr. Mandeville was one of the ablest men in the seed trade, giving each branch of it which he took up most careful and studious consideration, with the result that all the lines of work undertaken by him were successful. It was pleasure for him to compare notes with those prominent in his line of trade and those with whom he consulted did not fail to note his far-seeing, logical, business mind whatever branch of the trade might be under discussion. He invented and introduced new and very successful methods in the box commission flower seed trade. His personal acquaintance with the seedsmen of the country was much increased by his active participation in the seed trade conventions at Chicago in 1900 and Rochester in 1901, where his ability and character were recognized. He was one of nature's noblemen—modest, unassuming and considerate—and his loss is sincerely regretted.

Mr. Mandeville is survived by his wife, two daughters and one son, Edna, Lois and Arthur.

ESTABLISHED 1802
THORBURN'S SEEDS
FREESIAS, CALLAS, LILIUM HARRISII, ETC., ETC.
If our trade bulb list has not been received, we shall be glad to send it on application.
J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK.

FREESIAS.
California Grown, Now Ready.
While they last:
½-inch and up at $5.00 per 1000.
⅜-inch and up at $3.00 per 1000.
Place Orders for
CALLA BULBS.
Vaughan's Seed Store, CHICAGO New York

BURPEE'S SEEDS PHILADELPHIA.
Wholesale Price List for Florists and Market Gardeners.

ONION SETS—NO MORE OF THEM.
Sow my Hardy White Onion.
SEND FOR CIRCULAR.
BEAULIEU, the Pansy Man, WOODHAVEN, N. Y.

PAEONIAS FOR FALL...
10 distinct, best kinds, $10.00 per 100.
Poets Narcissus, dbl. & sgl., home grown, $5 a 1000.
Clematis, large flowering, $2.50 per doz.; $16 per 100.
F. A. BALLER, Bloomington, Ill.

Our Pansies, Cannas and Roses received gold medals at the Omaha Exposition in 1898 and the Pan-American Exposition in 1901.

VAUGHAN'S "INTERNATIONAL"

Received the only reward for Mixed Pansies at the World's Fair. It is to-day better and more complete than ever. It contains the cream of the stock of 10 Pansy specialists. There is no better mixture in existence, as all the florists who saw or used it can tell you. Price per oz., $10.00; ½ oz., $5.00; ¼ oz., $1.50; trade pkt., 50c.

VAUGHAN'S "GIANT MIXTURE."

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 had any other way. If your trade demands large flowers there is no better mixture. Price, per ¼ lb., $14.00; oz., $4; ⅛ oz., 60c; trade pkt., 25c.

VAUGHAN'S "PREMIUM" MIXTURE.

Embraces all the varieties of the Fancy German Sorts. We have sold this mixture for the past sixteen years and it has given general satisfaction. Per pkt., 25c; ⅛ oz., 80c; ½ oz., $3.00; oz., $5.50.

IMPROVED GERMAN MIXTURE.

This is a mixture of three strains from different German growers, and is made up mostly of separate colors, with a sufficiently large percentage of white and yellow. Per large pkt., 25c; ⅛ oz., 40c; ¼ oz., 60c; oz., $2.00.

MASTERPIECE—NEW GIANT CURLED.

This strain comes nearer to "Double Pansies" than anything ever introduced under that name. In reality the number of petals is the same as that in other Pansy flowers, but they are crimped and curled in such a fashion that the flowers appear double. The flowers are of enormous size, often three inches across, and the color variations and combinations are odd and striking. Pkt. 50c; ⅛ oz. $1.00.

"Vaughan's International" Primrose Mixture.

Unquestionably the best mixture of Chinese Primroses. It contains the largest variety of the best selling colors. Flowers large, beautifully fringed, borne in large clusters well above the rich green leaves. Pkt. (250 seeds) 50c; 5 pkts. (1250 seeds) $2.00.

CHINESE PRIMULA, Chiswick Red; Alba Magnifica, white; Blue, Pink, Striped. Each, per pkt. of 250 seeds, 50c; 1000 seeds, $1.75.

DOUBLE CHINESE PRIMULA, white, pink, red or mixed, per pkt. 50c.

CINERARIA VAUGHAN'S COLUMBIAN MIXTURE. A mixture of the best English and German strains, unsurpassed. Pkt. (1000 seeds) 50c; 3 pkts. $1.25.

CINERARIA HYBRIDA, LARGE FLOWERING, white, blood-red or crimson, double white or best double mixed, each, per trade pkt., 50c.

CALCEOLARIA HYBRIDA, choicest mixture, pkt. 50c.

10 PER CENT discount on flower seed orders amounting to $2 and over for **Cash with order.**

VAUGHAN'S SEED STORE, 14 Barclay Street, New York. 84-86 Randolph St., Chicago.

WM. LARZELERE & CO.

(Established 1866.)

Custom House Brokers

Licensed under U. S. Laws.
Notaries Public authorized to administer Customs declarations.

PHILADELPHIA: 126 South 4th St.
NEW YORK: 136 Water Street.

With correspondents in principal ports of the U. S. and Europe. All matters relating to Customs laws attended to on both Imports and Exports. Information given as to classification and values, and method of shipping goods to and from the United States. Florists can save time and money by consulting us in writing or person at our Philadelphia or New York offices.

Florists' Mignonette

FOTTLER'S ECLIPSE.

FINEST STRAIN EVER OFFERED.
Immense Spikes.
Very Fragrant and High Colored.

GREENHOUSE-CROWN SEED. Trade packet of about 2,000 seeds, $1.00.

SCHLEGEL & FOTTLER CO.
SEEDSMEN, BOSTON, MASS.

☞ Trade catalogue on application.

Please mention the American Florist when writing.

CINERARIA GIANT PRIZE, pkt., 50c.
CALCEOLARIA GRANDIFLORA, pkt., 50c.
PRIMULA CHINESE FRINGED, pkt., 50c.
CYCLAMEN Giganteum, 100 s. 75c; 1000, $6.
PANSY SUPERB MIXTURE, oz., $5.00.

W. C. BECKERT, Allegheny, Pa.

FAXON'S "WHITE HOUSE" PANSIES.

The best mixture in cultivation, flowers very large, thick and velvety; of superb colors and markings. The perfection of form and texture.

In Trade Packets at $1.00 each.

M. B. FAXON,
Lock Box 1528. BOSTON, MASS.
Correspondence solicited.

RUPP XXX SEEDS.

CHINESE PRIMROSE. Finest grown, large flowering, fringed, single and double, 15 vars., mixed, 500 seeds, $1.00; half pkt., 50c. Have also the 15 vars. separate.
CINERARIA. Finest, large flowering, dwarf varieties, mixed, 1000 seeds, 50c.
DAISIES. Finest Double Giant, pure white and rose, mixed or separate, 1,000 seeds, 25c.

PANSY, FINEST GIANTS.

The best large flowering varieties in choicest mixture; critically selected, 5,000 seeds, $1.00; half pkt., 50c. ☞ CASH. A pkt. of new everblooming Forget-me-not "Constance" added to every order.

JOHN F. RUPP, Shiremanstown, Pa. "The Home of Primroses."

ASHEVILLE,
NORTH CAROLINA.

'The Land of the Sky.'

The eighteenth annual meeting American Florists will be held at Asheville, August 19th to 22d, 1902.

Low rates have been made via Queen & Crescent Route and Southern Railway. Special train, composed of Pullman sleepers, will leave Cincinnati, Monday, August 18th, 2:00 p. m., via Queen & Crescent Route, and run through to Asheville via Southern Railway, arriving at Asheville next morning 7:00 o'clock.

Members will meet at Cincinnati and all go through together from there.

For sleeping car reservations and full particulars regarding rates, write

J. S. McCULLOUGH, N. W. P. A., Southern Ry.
W. A. BECKLER, N. P. A., Queen & Crescent Route.

225 DEARBORN ST. 113 ADAMS ST.
CHICAGO, ILL.

Society of American Florists National Convention,

AUGUST 19th to 22nd, 1902,

ASHEVILLE, NORTH CAROLINA.

For this convention the "Big Four Route" (C. C. C. & St. L. Ry.) will sell tickets August 16, 17 and 18, good for return leaving Asheville not later than August 25, at $24.80 for the round trip from Chicago and similarly reduced rates from all "Big Four" stations.

Florists' Special train will leave Chicago 8:30 P. M. Sunday, August 17th, running via "Big Four" to Cincinnati, thence via the Queen & Crescent and Southern Railways. Monday forenoon will be spent in Cincinnati, sight-seeing, etc., leaving there at 2 P. M. on the Florists' Special. Every florist should make a big effort to attend this convention, the first to be held in the beautiful Southland.

For berths in sleepers from Chicago or Cincinnati, and further information call on, or address E. F. WINTERSON, President Chicago Florists' Club, 45 Wabash Avenue, or J. C. TUCKER, Gen'l Nor. Agt. "Big Four", 234 S. Clark Street, Chicago.

☞ **OUR DIECTORY FOR 1902 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE TWO DOLLARS.** ☜

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

CHAS. A. ILGENFRITZ, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y. Twenty-eighth annual convention, Detroit, Mich., June, 1903.

THE Farmers' Nursery Company, of Phoneton, O., will remove to Tippecanoe, O., in time for the fall packing.

THE Texas Nurserymen's Association has been in session at Bryan this week. E. W. Kirkpatrick, of McKinney, presided.

GENERAL WILLIAM J. PALMER, of Colorado Springs, Col., has been elected president of the International Society of Arboriculture.

JAMES TROOP, State Entomologist of Indiana, has sent out a public notice that the seventeen-year locusts have done practically no damage to the nursery stock in that state.

G. H. POWELL, pomologist of the U. S. Department of Agriculture, has been visiting the Berckmans' nurseries at Augusta while on a tour investigating the possibilities of shipping southern fruit to European markets.

THE Upland Nursery Company, at Lansing, W. Va., has bought the E. W. Reid equipment and reorganized with $5,000 capital stock. The officers are: President, J. M. Brown; vice-president, J. C. Dent; secretary and treasurer, E. B. Bowie.

ACTING on the suggestion contained in Prof. Bailey's recommendation that the American Association of Nurserymen establish a bureau of publicity, President Ilgenfritz has appointed C. M. Stark, Louisiana, Mo.; Ralph T. Olcott, Rochester, N. Y., and F. H. Stannard, Ottawa, Kans., as a committee on publicity.

New Climbing Rose Dorothy Perkins.

When an introduced novelty proves an exceptionally good addition to the floral gems of the garden I feel like calling the attention of my friends to it.

I have grown about all the so-called Ramblers, among the roses, and the justly praised hybrids of R. Wichuraiana, but none among them, not even the Crimson Rambler itself, the foliage of which is not good with me, can compare with the new climbing rose, Dorothy Perkins, a hybrid of R. Wichuraiana and Mme. Gabriel Luizet. It possesses the glossy foliage of the former and the satiny sheen in the texture of the pink buds that characterizes the flowers of Mme. Gabriel Luizet.

It flowers in clusters of from ten to thirty, each flower considerably over an inch in diameter, the stem to the cluster being quite long, thus making them available for cutting and interior decoration. The buds are of good length and rival those of that charming fairy rose, Mme. Cecil Brunner, resembling bisque work in their daintiness. The flowers are fragrant and last a long time in good condition. It is said to have withstood a winter temperature of 20° below zero uninjured. W. C. EGAN.

Meriden, Conn.

CRAFTSMEN FROM NEAR-BY CITIES ENJOY OUTING AT HUBBARD PARK.—UNANIMOUS IN PRAISING THE BEAUTIES OF THE PLACE.

On Wednesday, July 9, members of the Hartford Florists' Club and the New Haven Horticultural Society were the guests of Arthur Hubbard, at Hubbard Park, Meriden. A gaily decorated tally-ho carried the Hartford visitors over and the eighteen-mile ride through the country was greatly enjoyed. At Meriden they were met by the New Haven party, who had come by train, accompanied by Superintendent Keith, of the Bridgeport parks, and Secretary W. J. Stewart, of the S. A. F. The party, numbering about thirty, was then taken in charge by Mr. Hubbard and his associates on the Meriden park board, Messrs. Bradley, Rockwell and Linsley, and Mayor Seeley.

After light refreshments in the pavilion at Mirror Lake, the ascent to Fairview and on to Castle Craig tower and the east and west peaks of Meriden's famed hanging hills, more than 1,000 feet altitude, was made. Alpenstocks were provided for all and they were found mighty useful in the arduous climb. The view in all directions from these majestic peaks, the highest elevation within fifty miles of the coast from Maine to Florida, is indescribably grand. A bountiful lunch was served in the shadow of Castle Craig, on the top of the crag, after which several of the visitors spoke appreciatively of the scenic beauty and the rare enjoyment of the day.

Mr. Hubbard, who is as unassuming and genial as he is public-spirited and generous, appeared to enjoy the outing as much as the most enthusiastic of his guests. Meriden has good cause to feel proud of her 1000-acre pleasure ground with its "forest and stream, cliff and cascade, hill and dale, lake and island, meadow and mere," and of her first citizen, whose gift it was and who has bountifully supplied the means for its maintenance. Hearty were the cheers given for their indulgent friend and host as the boys climbed into their tally-ho and started for the homeward drive in the cool evening after a holiday filled with delight and instruction.

Lilium Harrisii

Indispensable for Early Forcing.

Our own growers pack all our Bermuda Bulbs and personally grow half our supply. Careful attention to the growing crop, weeding out diseased plants, proper grading of the bulbs when dug, business-like packing and handling, all go to make success with Harrisii. We invite your orders under these conditions. Our bulbs will pay you.

Write for Prices before closing any forcing stock orders.

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Import Freight Agents Delaware, Lackawanna & Western Railroad Co. at New York, N. Y.

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P. LOEF AZ. & CO.,

BOSKOOP, HOLLAND,

Growers of HARDY AND ORNAMENTAL NURSERY STOCK in large quantities

New York Address care

P. J. VAN HEININGEN, 136 Water Street.

Send for our wholesale price list.

LAUREL HILL Nurseries, F. BRUNTON Manager.

Importers and growers of **Choice Hardy Perennials. Native Trees, Shrubs, Specimen Evergreens.** We grow large quantities of **Iris, Paeonias, Trilomas, Phlox, Delphiniums;** stock is perfectly hardy, true to name. Send for Special Catalogue of New Hardy Alpine Iris, now in the press. **STOCKBRIDGE, MASS., U. S. A.**

B. W. DIRKEN,

Oudenbosch, Holland.

ORNAMENTAL AND FOREST TREES A SPECIALTY.

Conifers, Evergreens, Hollies, Etc.

Prices on Application.

Park Architects and Dealers

will find whatever they want in the

Holland Nurseries, DeBilt near Utrecht

HOLLAND.

SPECIALTIES ARE: Conifers. Evergreens, Hardy Shrubs, Lilacs, Ornamental Trees, Fruit Trees in different forms, Azaleas, Rhododendron Ponticum and Hybridum.

Please send list of your wants and write for general catalogue. We will make you special offers. Write to

GROENEWEGEN & ZOON,

De Bilt, near Utrecht, Holland.

PAEONIAS

OUR SPECIALTY. Best Collections.

Strong plants. True to name. Catalogues free.

A. DESSERT, CHENONCEAUX, FRANCE.

'MUMS

We have a large stock of fine plants from 2½-inch pots, ready to ship on short notice. Our selection of standard varieties, $20.00 per 1000; $12.00 per 500. Write for prices on large orders. Following is a partial list. Send for complete list.

T. Eaton	$4.00	R. Halliday	$4.00
Nellie Pockett	8.00	Major Bonnaffon	3.00
Lady Roberts	8.00	Philadelphia	5.00
Mrs. E. D. Smith	6.00	Modesto	3.00
Golden Beauty	8.00	Nagoya	3.00
Mrs. Chamberlain	8.00	M. de Montmort	3.00
Mme. F. Bergmann	3.00	Glory of the Pacific	3.00
Willowbrook	3.00	Lady Harriett	6.00
Merry Monarch	3.00	Maud Dean	4.00
Polly Rose	3.00	Xeno	3.00
G. S. Kalb	3.00	Geo. W. Childs	4.00
Ivory	3.00	Intensity	4.00
Mrs. J. Jones	3.00	H. A. Parr	3.00

H. WEBER & SONS, Oakland, Md.

CHRYSANTHEMUMS.

Nice young stock from 2-inch pots,

$2.50 PER 100.

Mrs. J. Jones, Alice Byron,
Glory of Pacific, Col. D. Appleton,
Mrs. H. Robinson, Yel. Fitzwygram,
Yellow Jones, Modesto,
Pres. Smith, Lavender Queen,
Viviand-Morel, Nagoya,
Marion Henderson, Yanariva,
Geo. S. Kalb, Mrs. E. D. Smith,
Mrs. S. T. Murdock, Xeno,
And many Other Standard Varieties.

NATHAN SMITH & SON, Adrian, Mich.

Chrysanthemum...

TIMOTHY EATON, well-rooted cuttings, $2.25 per 100. Sample 25 for 50 cts., express prepaid: Plants, $3.00 per 100, express not prepaid. All healthy and strong.

Geraniums...

1,500 S. A. Nutt, 500 La Favorite, from 2½ and 2-inch pots, mostly 2½-inch, large per cent in bloom or bud, ready shift, $1.50 per 100; $14.00 per 1000.

Unrooted cuttings of S. A. Nutt, 70 cents per 100; $6.00 per 1000. Cash with order.

DES MOINES PLANT CO.,
38th St., Des Moines, Iowa.

LAST CALL FOR EXTRA FINE 'Mums

Col. Appleton, Park, Bonnaffon, K. Broomhead, 2½-inch pots, at $2.00 per 100. Bonnaffon, 3-in., at $2.50 per 100. Rooted cuttings, just right for growing in pans at $1.00 per 100. 200 Timothy Eaton, 2½-inch pots, ready 15th, at $2.50 per 100.
75 STEVIA COMPACTA, 3-inch, at 2c.
AGERATUM STELLA GURNEY and PRINCESS PAULINE, 2½-inch, at $1.50 per 100.
New lot of **ASTERS,** No. 1 plants, transplanted, at 50c per 100; 500 for $2. Only best florists' kinds.
100 MIXED GERANIUMS, 3-inch, $2.00 per 100, to close out.

Coolidge Bros., So. Sudbury, Mass.

5000 'Mums

2½-inch pot plants, good market sorts, our selection, $1.50 per 100; $12.50 per 1000. Cash with order.

George A. Heinl, Toledo, O.

ROSE PLANTS One year old Brides and Maids, wood well ripened, cut back and in fine condition for planting.

SWORD FERNS, ASPARAGUS SPRENGERI.
J. H. BORNHOEFT, TIPTON, IND.

SMILAX 2-inch, $1.00 per 100.
ROSES Brides and Maids, 2-inch, $2.00 per 100; $18.00 per 1000.

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The Storrs & Harrison Co.

PAINESVILLE, OHIO.

PALMS.

KENTIA BELMOREANA, 2½-inch pots, $8.00 per 100.
" " 3-inch pots, $15.00 per 100.
" " 24 to 28 in., fine bushy plants, $1.25 each; $15.00 per doz.
" " 30 to 32 in., perfect condition, $1.75 each; $20.00 per doz.
ARECA LUTESCENS, 3-inch pots, (3 plants in pot), $12.00 per 100.
" " 6-inch pots, (3 plants in pot), 24 inches high, $70.00 per 100.

FERNS from 2¼-inch pots.

PTERIS TREMULA, a large stock of this in excellent shape, short stocky plants ready for shift. Always in good demand from any size pots, $2.50 per 100.
PTERIS Adiantoides, Pteris Cretica Albo-Lineata, Pteris Alexandræ, Pteris Ouvrardi, Pteris Serrulata, each, $2.50 per 100.
ONYCHIUM JAPONICUM, $3.00 per 100.
ADIANTUM PUBESCENS, $3.00 per 100.
Good assortment of **FERNS,** our selection of varieties, $20.00 per 1000.

ASPARAGUS.

PLUMOSUS, 2½-inch pots, $4.00 per 100; 3-inch pots, $6.00 per 100.
SPRENGERI, 2-inch pots, $2.50 per 100; 2½-inch pots, $3.00 per 100.
DRACÆNA GODSEFFIANA, 3-inch pots, $1.50 per dozen.
MARANTA MASSANGEANA, 2½-inch pots, $3.00 per 100.

LAST CALL FOR..... 'MUMS.

All fine varieties in first-class condition, from 2-inch pots.

SOLEIL de OCTOBRE, yellow,
TIMOTHY EATON, white,
JEROME JONES, white,
GOLDEN WEDDING, yellow,
POLLY ROSE, white,
JOHN K. SHAW, pink,
SILVER WEDDING, white,
YANOMA, white,
WHITE BONNAFFON, white,
WHITE IVORY, white.

All $2.00 per 100.

Robt. Craig & Son, Phila., Pa.

Storekeepers

Extra fine blooming **CYCLAMEN PLANTS** for a change in your window at $18.00 per 100; $2.50 per doz. Cash or C. O. D.
Asparagus Plumosus, 3-inch pots, at $7.00 per 100.

C. WINTERICH, DEFIANCE, OHIO.

5,000 SMILAX, extra to close.
500 HIBISCUS, in 2½ to 4-inch.
5,000 SPRENGERI, 2 to 6-inch.
5,000 PLUMOSUS, 2 to 5-inch.
BOSTON FERNS, 4 to 10-inch.
Let us book your order.

GEO. A. KUHL, Pekin, Ill.

WANTED TO EXCHANGE.

We want a good second-hand Hot Water Boiler, capable of heating 2,000 feet of 4-inch pipe and wish to exchange field-grown Carnations, ready Aug. 1 and later—Mrs. T. W. Lawson, G. Lord, E. Crocker, Daybreak, Wm. Scott, Jubilee, Flora Hill. For cash or exchange. A No. 1 stock in every way. **S. T. DANLEY, MACOMB, ILL.**

ASPARAGUS PLUMOSUS

3-inch strong, $5.00 per 100.
SMILAX, 2-inch, strong, $1.50 per 100.
BONE MEAL. Best in the market for Florists' use, $3.50 per 200 lb. bag.

ALBERT M. HERR, Lancaster, Pa.
Please mention the American Florist when writing.

ASPARAGUS PLUMOSUS

Extra fine, 3-inch stock, $7.00 per 100. Write for prices on larger quantities.

VAN WERT GREENHOUSES, Van Wert, O.

CABBAGE PLANTS Burpee's All-Head, Fottler's Brunswick, Succession and All-Seasons, field grown, 15c per 100; $1.00 per 1000. Will give purchaser choice of varieties as long as they last

J. C. LEHDE, FORKS, ERIE CO., N. Y.
Please mention the American Florist when writing.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 79 Milk St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

Cricket at Haverford.

The employes of the Griscom estate, Haverford, Pa., and the cricket team of the Montgomery Nurseries, Villa Nova, Pa., played their first match July 9, with an easy victory for the Montgomery Nurseries. The batting of J. Hushen, who gave a good exhibition of run getting, making fifty-three runs in thirty minutes, and the bowling of G. Gardner, were the features of the contest. John G. Gardner feels justly proud of their performance and is looking forward to many successful games now that the season is well started. For the Griscom team A. Weston, captain, batted well in the first innings but was unfortunate in his second venture. George Gardner captained the nursery team. The score follows:

GRISCOM ESTATE.

First inning.		Second inning.	
T. Archfield c N. Gardner	4	c G. Gardner	10
A. Weston c N. Gardner	17	c Blackman	0
C. Pollicutt b G. Gardner	1	b G. Gardner	7
J. Carry b Blackman	4	c G. Gardner	8
W. Ballard b G. Gardner	0	Not out	0
T. Pendergrass s J. Hushen	4	c Blackman	2
F. Cassey b Blackman	4	c Ewins	0
G. Weston b Gardner	2	b Gardner	1
F. Glass not out	0	b Gardner	1
Extras	4	Extras	3
Total	40	Total	32

MONTGOMERY NURSERIES.

G. Gardner, c Pollicutt	5
F. Ewins, run out	0
N. Gardner, b Archfield	7
C. Duncan, c Pendergrass	0
J. Hushen, b Carry	53
J. Blackman, run out	0
A. Harding, b Pollicutt	7
F. Jefferies, c Carry	3
B. Burges, not out	0
Extras	7
Total	82

F. C.

Californians Picnic.

The first picnic of the Pacific Coast Horticultural Society was held July 6 at the grounds of the California Nursery Company, a special train being run from San Francisco to Niles for 275 members and their friends. It is a journey of an hour and forty-five minutes. Arrived at the nursery, which is the largest on the coast, the party was taken in hand by John Rock, the manager, who led the way to a shady spot on the grounds where a table 200 feet in length stood laden with sandwiches and luscious fruit, upon which the crowd fell without waiting for a second invitation.

After lunch a number of photographs were taken, some of which are reproduced herewith, and then the party broke up into small bands to inspect the grounds. The most imposing sight was the main entrance, which is a drive some fifty feet in width and about 600 feet long, planted on both sides with stately rows of Washingtonia filifera some thirty feet in height, the trunks being between two and three feet in diameter. Then the visitor passes some comfortable little cottages, where the heads of the firm are living, and comes to the office, a two-storied structure, the offices being in the front part and the balance given over to the kitchen, dining room, sitting room and sleeping apartments for the men. The employes at present number seventy-five, but in the shipping and spring season between 150 and 200 are needed. Around the rear of the office building are half a dozen smaller ones, also for sleeping apartments for single men, and about a dozen small four-room cottages for the foreman and some steady married help.

OFFICERS OF THE PACIFIC COAST HORTICULTURAL SOCIETY.

SAN FRANCISCO PICNICKERS AT NILES, CAL., JULY 6, 1902.

Six greenhouses are used for propagating purposes, from cuttings and seeds, and from here the young stock goes into a large lath shed, to be transplanted into pots or boxes, as the case may be, and later planted into the ground, after the stock is large enough. Some 650 acres are in cultivation at present, principally in fruit trees, but including many ornamental trees and shrubs, also palms, pelargoniums, cannas, geraniums and some other miscellaneous stock. Many of the California orchards are planted with trees from this nursery, and besides shipments throughout the United States, stock is sent regularly to Australia, South America, Africa and Europe. Everything is as clean and neat as it is possible to make it.

After the sight-seeing came the amusements, including dancing, music and athletics, which kept everyone in a merry mood well along through the summer afternoon. C. F. Fick won the men's hurdle race, also the sack race. C. Tiedemann won the 100-yard race for men, A. Ferrari the boys' race and Miss Bessie Waddington the girls' race. A. Dinnevan won the boys' sack race and R. Rock the boys' hurdles. A. Clarck won the hurdle race for young men and Miss Frohm that for ladies. Speeches

SOME OF THE MEMBERS OF THE PACIFIC COAST HORTICULTURAL SOCIETY.

PACIFIC COAST HORTICULTURAL SOCIETY ON PICNIC AT NILES, CAL.

were next on the programme and H Plath, president of the Pacific Coast Horticultural Society proposed three cheers for the hosts; they were given with a will. Mr. Rock said it gave him much pleasure that the visitors were enjoying themselves and then there were cheers for the ladies and for Mr. Reimers, the oldest nurseryman on the coast. Then everybody took the train back to town.

GOLDEN GATE.

DULUTH, MINN. — The Improvement League is planning an autumn flower show, the first held in this city.

NEBRASKA CITY, NEB.—William Peirce, who has built up a flourishing business here, is opening a branch at Auburn, where there seems a fine opening.

Cincinnati.

PICNIC PARTY SPENDS HOURS WAITING FOR A DERAILED TRAIN—MUCH BUILDING IN PROGRESS.—LITTLE TRADE AND STOCK MOSTLY POOR—PARTY FOR ASHEVILLE CONVENTION.—VARIOUS NOTES.

The train bearing the club members to Amelia on July 10 jumped the track within six miles of Amelia, delaying the passengers about two hours. It must have been a sight to behold the boys sitting on the railroad track eating hard boiled eggs, sardines and such for dinner. The meeting in consequence was postponed until Tuesday evening at the clubrooms, and at this meeting it was decided to hold three exhibitions the coming season, one of chrysanthemums in November, carnations in December and roses in January. The annual outing will be held at Norwood Inn Park, Thursday, July 24.

There is a good deal of building going on around the city. G. Bruner's Sons are rebuilding two houses and erecting a new one 25x140 Richard Witterstaetter is building a propagating house. Wm. Murphy is remodeling six houses. A. Sunderbruch's Sons are rebuilding eight houses. Corbett & Wilson are rebuilding three. W. K. Partridge is adding a new range for American Beauties. Sunderbruch & Meier are building a house for Liberty roses. Max. Rudolph has his new range completed and planted to Brides and Bridesmaids.

There is not much to be said about business, a little funeral work being about all there is to it at present. Roses and carnations are poor in quality and sweet peas are also on the decline. Peterson is sending in some very good asters, which sell readily at $1.50 per hundred. Gladioli are plentiful, also such other outdoor stock as candytuft, hollyhocks, snapdragon and so forth. A limited amount of lily of the valley is to be had.

So far only five of the local florists have signified their intention of attending the S. A. F. convention but as the time draws near there will be about a dozen get into the band wagon and we expect to have our city pretty well represented.

C. W. Scott and J. S. Wilson, of Vaughan's brigade, were in town a few days this week and Harry Balsley, of Detroit, blew into town one day and out the next.

The item in last issue with reference to wedding of the writer was wholly incorrect.

Harry Donnelly has taken charge of the McFadden greenhouses. D.

ADRIAN, MICH.—Elmer D. Smith is away upon a two weeks' outing in the northern part of the state, securing needed rest, for it has been a busy season with him.

Freesias.

Extra White Choice Stock.

	Per 12	Per 100	Per 1000
Extra large size	$ .15	$ .85	$7 00
Select size, ½-in up	.10	.60	5 00
Choice, ⅜-in. up	.05	.40	3.00

LILIUM HARRISII.

Sound, honest stock.

	Per 12	Per 100	Per 1000
5x7	$ .60	$4.75	$45.00
7x9	1.50	10 50	100.00
Bermuda Buttercup	.15	1.00	8.00

SEEDS.

ASPARAGUS SPRENGERI, fresh, per 100, 30c; per 1000, $2.00.

CALCEOLARIA Hybrida Grandiflora, per pkt., 25c.

" Shrubby (Rugosa), per pkt., 25c.

CINERARIA Hybrida Grandiflora, finest English strains, pkt. 500 seeds, 25c; 5 pkts., $1.00.

CYCLAMEN Persicum, Giant flowered, pure white, rose, crimson, white with red eye, separate or mixed. 100 seeds, 60c; 1,000 seeds, $5.00.

IN PANSIES, we claim that BERGER'S NEVERFAIL MIXTURE is unsurpassed.

We furnish all the following uniformly at 25c per 1000 seeds; $1.00 for 5000 seeds; 50c for ¼ oz.; $1.50 to $3.00 per oz.

Separate colors—white, black, light or dark blue, violet, purple, red and rose shades, copper, bronze, four-colored, Auricula-flowered, yellow, striped.

Bugnot, Odier, Cassier, Trimardeau, or any named sort. Florists' choice.

TRY OUR SEEDS.

FERN SPORES ..... per pkt., 25c

SMILAX, fresh crop ..... per oz., 30c

Address H. H. BERGER & CO.,

Established 1878. 47 Barclay St., NEW YORK CITY.

St. Paul.

TRADE QUIET BUT DEMAND CONSUMES RECEIPTS.—FEW ROSES.—TESSON CASE HEARD IN SUPREME COURT.—DECISION AGAINST THE FLORIST.—PERSONAL MOVEMENTS.

Trade has settled down to its usual summer level, although all good stock finds a ready market. Beauties are in good demand and everything salable goes. Sweet peas are now abundant and help to fill a want in cheap flowers. The growers have thrown out nearly all their stock and replanted their rose benches. Chrysanthemums are also being planted. Carnations in the field have grown remarkably well and will probably be lifted by August 1 or sooner.

The Ladies' Auxiliary of the Northwestern Manufacturers' Association will hold a chrysanthemum and orchid show in St. Paul the first week in November. Prizes will be offered for the three best collections and exhibitors will have the privilege of selling the flowers, to be delivered the day after the show. Schedules and entry blanks may be obtained by addressing the secretary, Mrs. H. M. Moss, 649 Endicott building.

R. F. Tesson, of St. Louis, had a case here in the U. S. Supreme Court the past week. The Louisiana Purchase Exposition management sought to condemn fifteen acres of property owned by Mr. Tesson and his mother. Mr. Tesson asked for an injunction restraining them from taking possession. Judge Sanborn, who heard the case, found for the Exposition.

The Twin City florists will picnic at Spring Park, Lake Minnetonka, Thursday, July 24. An excellent programme of sports has been arranged and nearly $100 is offered in prizes. It is hoped that there will be a large attendance.

We do not hear of any of the trade going to Asheville next month but presume there will be one or two at least from the North Star state.

A. S. Swanson has one large new rose house completed and planted, and two chrysanthemum houses well under way.

Fred. Schultze has sailed for his old home in Germany to be gone several weeks.

Chris. Hansen expects to leave for Denmark in about a week.

Otto Hiersekorn is rusticating near Fertile, Minn. FELIX.

CARNATION Plants.

If you want some first-class field-grown plants, send for quotations to

Michael Winandy, Corner Devon Ave. and N. Robey St., CHICAGO.

Please mention the American Florist when writing.

ROSES.

Strong and healthy Perles, Brides and Bridesmaids, from 3½-inch pots, $5.00 per 100.

H. E. WILSON, ROCHESTER, N. Y.

SPECIALTIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery,
CHRYSANTHEMUMS,
SMILAX, VIOLETS.

In Best Varieties

Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.

Please mention the American Florist when writing.

FIELD-GROWN

CARNATION Plants.

	Per 100	Per 1000		Per 100	Per 1000
4,000 DAYBREAK	$4.00	$35.00	4,000 G. H. Crane	$5.00	$45.00
4,000 CHAPMAN	4.00	35.00	1,000 MACEO	5.00	45.00
1,000 McGOWAN	4.00	35 00	1,000 ELDORADO	5 00	45.00
4,000 WHITE CLOUD	5.00	45 00	2,000 IRENE	6 00	50 00
4,000 FLORA HILL	5.00	45.00	5,000 Guard'n Angel	6 00	50.00

Plants in good health. Order now and have them reserved for you in the field.

KENNICOTT BROS. CO.

WHOLESALE COMMISSION FLORISTS, 42-44 Randolph St., CHICAGO.

FLORISTS' ROSES

FOR WINTER FORCING.

All our 2½-inch stock has been shifted from 2-inch pots. Our rose plants are all grown for the trade (we do not grow cut flowers), and such plants we claim are well worth more money than ordinary surplus stock:

	2½-in. Per 100	3½-in. Per 100
BRIDESMAID	$3.50	$8.00
KAISERIN	5.00	12 00
METEOR	3 50	8.00
BRIDE	3.50	8.00
IVORY, White Golden Gate	12 50	20 00

MRS. OLIVER AMES, 4-inch, per doz., $10 00.

BEDDING ROSES in large assortment, strong 2½-inch, per 100, $3 00.

Boston Ferns

BEST STOCK.

2½-in., per 100, $5.00; 5-in., each 50c; 7-in., $1.00.
Asparagus Plumosus, 2-inch pots, per 100, $4.00.
Asparagus Sprengeri, 3-inch pots, per 100, $6.00.
Smilax, per 100, $2 50.
Chrysanthemums, large assortment, $3 to $4 per 100.
Fern Balls in leaf, 7 to 9 inches, per doz., $5.00.
Ferns for Fern dishes, best kinds, per 100, $1.00.
Hibiscus Peachblow, 2½-inch pots, per 100, $3.00.
Lemon American Wonder, 2½-inch pots, per 100, $5.
Coleus, best assortment, per 100, $2.00.

Vaughan's Seed Store,

GREENHOUSES: WESTERN SPRINGS, ILL.

84 & 86 Randolph Street, CHICAGO.
14 Barclay Street, NEW YORK.

Rose Plants.

BRIDE 3-inch, $5 00 per 100; $40.00 per 1000.
BRIDESMAID 3½-inch, $6.00 per 100; $50 00 per 1000.
3-in., $5 per 100; $40 per 1000.
3½-in., $6 per 100; $50 per 1000.
Repotted three times. Elegant stock.
Unknown parties cash with order.

BRANT & NOE, FOREST GLEN, CHICAGO.

ROSES

1,000 Brides, Maids and Golden Gates, from 3 in. pots at $3 00 per 100. 1,000 Brides, Maids and Golden Gates, from 2½-in. pots at $2 per 100. 200 Perles, from 4-inch pots, at $4 00 per 100.

ALL GOOD STOCK.

FOSTORIA FLORAL COMPANY, Fostoria, O.

FIELD-GROWN

Carnation Plants

of the following varieties:

ETHEL CROCKER, G. H. CRANE,
FLORA HILL, FRANCES JOOST.

Send for samples amd prices; ready for planting.

JOHN WOLF, Savannah, Ga.

All The Best CARNATIONS

Orders booked now for fall delivery.
SEND FOR PRICES.
Rotted cuttings and young plants all out.

GEO. HANCOCK & SON, GRAND HAVEN, MICH.

List of ROSES

NOW READY TO CLOSE OUT.
Look it over and write us your wants.
METEORS, 650 2-inch; 300 2½inch
BRIDES, 2,450 2-inch; 1,700 2½-inch.
MAIDS, 1,000 2-inch; 1,000 2½ inch.
KAISERINS, 150 2-inch.
PERLES, 800 2½ inch.
AMERICAN BEAUTIES, 1 300 2 in.; 1,700 2½-in.
LIBERTY, 1,400 2-inch.
GOLDEN GATE, 575 2-inch; 750 2½-inch.
LA FRANCE, 400 2-inch.
BELLE SIEBRECHT, 175 2-inch; 550 2½-inch.
SOUPERT, 50 2½-inch.

GEO. A. KUHL, PEKIN, ILL.

Please mention the American Florist when writing.

Carnations, Geraniums Cannas, Etc. Prices quoted upon application.

The Cottage Gardens, Queens, L. I.

HERRON....

Carnation Grower,

OLEAN, N. Y.

"MISS LOUISE FABER"

FRONT.

The Longest Stemmed and Most Fragrant Carnation in Existence

BACK.

Stems measure from 3 feet 6 inches to 4 feet. Flowers are of a beautiful pink, similar to a well colored Bridesmaid rose and average 3 1-2 inches. Continuous bloomer when once started and calyx never bursts. Will be distributed the coming spring. **Prices**—$2 per 12; $10 per 100; $75 per 1000; $500 per 10,000.

ORDERS BOOKED NOW FOR JANUARY DELIVERY.

FICK & FABER, San Mateo, Cal.

YOUNG ROSE Stock

Cuttings from Grafted Plants.

3 inch Maids, Brides and Meteors, $5.00 per 100; $45.00 per 1000.
3½-inch Maids, Brides and Meteors, $6.00 per 100; $55.00 per 1000.

ADIANTUM CUNEATUM.

6-inch pots, $35.00 per 100.

Cash with order. Send for sample.

The F. R. Williams Co.
CLEVELAND, OHIO.

SURPLUS STOCK OF

Forcing Roses

A No. 1 Plants in 2 1-2-inch Pots.

KAISERINS, $3.00 per 100.
METEORS, $3.00 per 100.
AUG. GUINOISEAU, $3.00 per 100.

This stock is carefully grown and was intended for our own use.

J. B. HEISS, The Exotic Nurseries,
DAYTON, OHIO.

American Beauty Plants.

3-in., $7.00 per 100; 2d size, $5 per 100.

Violets from 2¼-inch pots — Imperial, Swanley White and Marie Louise, $2.75 per 100; $25 per 1000. Lady Campbell, $2.50 per 100, $22.50 per 1000.

Crabb & Hunter, Grand Rapids, Mich.

ROSES FOR WINTER FLOWERING

Fine, healthy stock from selected cuttings.

BRIDES, BON SILENE, MAIDS, MME. HOSTE, KAISERINS, SAFRANO, GOLDEN GATES, PAPA CONTIER,
3-inch pots, $7.00 per 100; 4-inch pots, $10 00 per 100.
SUNRISE, LIBERTY, 3-inch pots, $9.00 per 100.
GRAFTED ROSES, Kaiserin, Golden Gate, 3½-inch pots, $15.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

CARNATIONS WANTED.

To fill orders with, good field plants: 4,000 Lawson, 1,000 Crane, 3,000 Marquis, 2,000 Bradt, 1,000 Queen Louise, 100 Golden Beauty, 4,000 Estelle. Quote us on all or any portion of the above; send a plant as sample.

CHICAGO CARNATION CO., Joliet, Ill.

WE HAVE ABOUT

2000 NICE BEAUTY PLANTS, 2 1-2 and 3-inch ....pots...

Also about 1000 METEORS, 3-inch pots, cheap.

JOHN BURTON, Chestnut Hill, Phila.

Fine Rose Plants

HEALTHY AND VIGOROUS.

	Per 100
GOLDEN GATE, 3-inch	$5.00
" " 2½-inch	3.00
MAIDS, 3-inch	5.00
" 2½-inch	3.00
BRIDES, 3-inch	5.00
" 2½-inch	3.00
BEAUTIES, 3-inch	10.00
KAISERINS, 3-inch	6.00

A. C. BROWN, Springfield, Ill.

ROSES TO PLANT.

Well-grown stock, clean and vigorous.

	Per 100	Per 1000
AMERICAN BEAUTIES, 3-inch, special reduced price to close out	$6.00	$55.00
PERLES, very nice, 3-inch	5 00	50.00
GOLDEN GATE, 3-inch	5.00	50.00
BRIDES, 3-inch	5.00	45.00
BRIDES, strong, 2¼x3-inch	3.00	
METEORS, 3-inch	4.00	35.00

W. H. GULLETT & SONS, Lincoln, Ill.

Minneapolis.

ACTIVE CALL FOR FUNERAL FLOWERS.—GOOD ROSES SCARCE.—A PICNIC PLANNED.—VARIOUS PERSONAL NOTES.

Trade has been exceedingly brisk during the week, caused by the death of some prominent citizens. White flowers were scarce and in heavy demand. There are hardly any first-class roses to be had, and mildew is affecting most of the stock. On the other hand, some excellent carnation blooms are being sent in and bring a good price. Sweet peas are in surplus, although there is a good call for them. The carnation Frances Joost is showing up fine this hot weather.

The committees on florists' picnic have abont completed arrangements for this event, which will be held on July 24. All stores will close, and any visiting tradespeople are invited to attend.

A small fire which started in range of R. Wessling, on Thirty-sixth street, was subdued before any damage was done.

The Lakewood Cemetery Association is figuring on an additional range of glass.

N C. Hansen is cutting sweet peas by the thousands. Rice Brothers handle the cut.

Wm. Donaldson & Company had some prize-winner gloxinias last week.

Almost all the growers will cut from grafted stock the coming season.

C. F. R.

Bryn Mawr, Pa.

The plot of ground in front of the Pennsylvania Railroad Station in this town is to be converted into a public park through the generosity of the railway company and the Citizen's Committee of Bryn Mawr. The improvement will add very materially to the appearance of this section of the town, and its central location is ideal for the benefits intended. It may be interesting to learn the contract for laying out the same has been awarded to John G. Gardner, of the Montgomery Nurseries, Villa Nova, Pa. Mr. Gardner is now engaged with many important operations. F. C.

BEGONIA GLOIRE DE LORRAINE,

2¼-inch pots, $15.00 per 100.

Write for prices on large lots. Stock guaranteed absolutely free from disease.

THOMAS ROLAND, Nahant, Mass.

100,000 SMILAX.

Strong plants from 2½-in. pots, ready for planting, $1.25 per 100; $10.00 per 1000; $45.00 per 5000.

The W. T. Buckley Plant Co., Springfield, Ill.

CYCLAMEN

Persicum Splendens Giganteum. Finest strain in the world, in four true colors, well-grown plants, from 2½-inch pots, $4.00 per 100; $35.00 per 1000. Extra selected, $5.00 per 100; $40.00 per 1000. Satisfaction guaranteed.

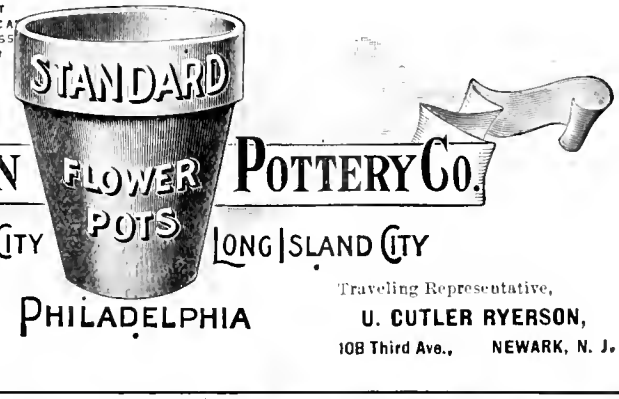
PAUL MADER, East Stroudsburg, Pa.

S. S. SKIDELSKY,

708 N. 16th Street, PHILADELPHIA, PA.

CORRESPONDENCE SOLICITED.

AWARDED THE ONLY FIRST CLASS CERTIFICATE OF MERIT BY THE SOCIETY OF AMERICAN FLORISTS AT BOSTON MASS AUG 21ST 1890 FOR STANDARD FLOWER POTS.



Traveling Representative,
U. CUTLER RYERSON,
108 Third Ave., NEWARK, N. J.

CYPRESS

Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in., in crate,	$4.88	120 7-in., in crate,	$4.20
1500 2¼ "	5.25	60 8 "	3.00
1500 2½ "	6.00	HAND MADE.	
1000 3 "	5.00	48 9-in., in crate,	$3.60
800 3½ "	5.80	48 10 "	4.80
500 4 "	4.50	24 11 "	3.60
320 5 "	4.51	24 12 "	4.80
144 6 "	3.16	12 14 "	4.80
		6 16 "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY, Fort Edward N. Y.
Or AUGUST ROLKER & SONS, New York Agents, 31 Barclay Street, New York City.

Invalid Appliance Co.,
MANUFACTURERS OF
COLUMBIA PLANT TUBS
(PATENTED)
"The kind that never fall apart."
If your seedsman doesn't handle them, order of us direct
FACTORY AND OFFICE:
160-160 VEDDER ST., CHICAGO.
TELEPHONE NORTH 653.

KELLER BROS.

213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.

RED POTS

SAMPLE POT AND PRICE LIST ON APPLICATION.

C. C. POLLWORTH CO., MILWAUKEE, WIS.....

Standard Flower... POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.....

W. H. ERNEST,
28th and M Streets. WASHINGTON, D. C.

GEO. KELLER & SON,
MANUFACTURERS OF
FLOWER POTS.
Before buying write for prices.
361-363 Herndon Street, near Wrightwood Ave.,
CHICAGO, ILL.

Please mention the American Florist when writing.

FLOWER POTS
ALL KINDS.
STANDARD POTS A SPECIALTY
List and SAMPLES FREE.
SWAHN'S POTTERY MF'G CO.,
P. O. Box 78. MINNEAPOLIS, MINN.

Please mention the American Florist when writing

WRITE
A. F. KOHR, 1521-23 N. LEAVITT ST., CHICAGO, ILL.,
FOR PRICES OF
Standard Pots
which for strength and porosity combined are the best on the market.

THOSE RED POTS
"STANDARDS"
FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y,
HARRY BALSLEY, Rep. DETROIT, MICH., 490 Howard St.

Please mention the American Florist when writing.

A FEW GOOD THINGS YOU WANT.

KENTIA Belmoreana and Forsteriana, also Areca Lutescens, 3 plants in a pot, extra clean and well grown plants, 2½, 3, 4 and 5-in., $8, $15, $30, $50, $75, $100 to $125 per 100.

REX BEGONIA, 2 and 3-inch, $4 and $6 per 100.

BOSTON FERN, $4, $8, $15 and $30 per 100 for 2, 3, 4 and 5-inch.

FERN, Cordata Compacta, 2 and 3-inch, $4 and $10 per 100.

ASPARAGUS Plumosus, 2-inch, $5; 3-inch, $8. Sprengeri, 2-inch $3; 3 inch, $5, per 100.

DRACAENA INDIVISA, 3, 4 and 5-inch, $6, $10, $25 per 100.

ENGLISH IVY, 2 and 3-inch, $3 and $6 per 100.

A full line of the best bedding **GERANIUMS** for stocking up, 2-inch, $3; 3-inch, $5 per 100.

SMILAX, Vinca Var., Campbell Violets, Lobelia, Coleus, Alternanthera, Ageratum, Scarlet Sage, Lemon Verbena, Giant Alyssum, 2-inch, $2; 3-inch, $4 per 100.

Let me price your wants. Cash or C. O. D.

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

ASPARAGUS.

	Per 100
Asparagus Plumosus	$3.50
Smilax, 2-inch pots	1.00

CASH OR C. O. D.

JOS. H. CUNNINGHAM, Delaware, O.

BOSTON FERN $25 per 100. Ready Now.

Orders booked now—delivery in September—for my Nephrolepis Fern

"ANNA FOSTER"

Small plants, $25.00 per 100; larger plants prices on application.

L. H. FOSTER, 45 King St., Dorchester, Mass.

100,000 ASTER PLANTS

Semple's and Queen of the Market. New lot ready now, grown from the finest seed, at $1.00 per 500; $1.50 per 1000; 10,000 for $12.50.

J. C. Schmidt, Bristol, Pa.

BARGAINS in Chrysanthemums and Fuchsias, named varieties, at $2 50 per 100.

Ailamanda Williamsii	$4 00 per 100
Acalypha Sanderii	3.00 per 100
Russelia Elegantissima	3.00 per 100
Vinca Variegata	4.00 per 100

All good 2½-inch plants.

The Conard & Jones Co, West Grove, Pa.

Please mention the American Florist when writing.

'Dryden'

Geranium, the finest of all bedders, 3½-in. pots, $6.00 per 100; 2½-in., $4 00 per 100. Cash please.

HENRY EICHHOLZ, Waynesboro, Pa.

Burbank's Shasta Daisy

Plants, 25c each; $2 50 per doz.; $15.00 per 100. Seed, 50c per 100, prepaid.

CALIFORNIA CARNATION CO.
LOOMIS, CAL.

Vegetable Plants.

CABBAGE Danish Ballhead, $1.00 per 1000.
CELERY, White Plume and Giant Pascal, $1.20 per 1000.
Transplanted Celery, $2.00 per 1000.
Cash. Sample mailed for 5c.

LUDWIG MOSBAEK, 85th St. near So. Chicago Ave., Chicago, Ill.

CELERY PLANTS

Best plants and varieties grown, $1.50 per 1000. Large lots cheap.

G. VAN BOCHOVE & BRO.
KALAMAZOO, MICH.

Please mention the American Florist when writing.

ARECA LUTESCENS, per doz.—2½-inch, 75c; 3 $1; 3½, $2; 4, $3.
KENTIA BELMOREANA, doz.—2½ in., $1.50; 3, $2; 3½, $3; 4, $3 60.
KENTIA FORSTERIANA, per doz.—2½-in., $1.50; 3-in., $2; 3½-in., $3; 4-in., $4.
LATANIA BORBONICA, per doz.—2½-in., 60c; 3-in., $1; 6-in., $7.20; 7-in., $10; 8-in., strong, $18.
PANDANUS VEITCHII, per doz.—5-in., $12; 6-in., $18; 7, $30; 8, $42.
NEPHROLEPIS BOSTONIENSIS, per 100—3-in., $8.00. Per doz.—5-in., $3; 7-in., $9; 8 in., $12; 9-in., $18; 10-in., $24
ASPARAGUS PLUMOSUS NANUS, 2-in., $4 per 100; 3 in., $8 per 100.
ASPARAGUS SPRENGERI, per 100—2-in., $3; 3-in., $8; 4-in., $12; 5-in., $15.
ARAUCARIA EXCELSA, 4-in., $3 per doz.
FERNS FOR DISHES, Etc., $3 per 100.
FERN BALLS, well furnished with leaves, $3 to $5 per doz.

The GEO. WITTBOLD CO.

1657 Buckingham Pl., Chicago.

B. & A. SPECIALTIES

ENGLISH MANETTI ..... **$12.00 per 1000**
FRENCH MANETTI ..... **$10.00 per 1000**

ASK FOR FALL CATALOGUE NOW READY.

BOBBINK & ATKINS, Rutherford, N. J.

25 RUBBERS

3 to 4 feet, $1.00 to $1.25 each, or the lot for $25.00.

A. J. BALDWIN, NEWARK, O.

Orchids!

Arrived in fine condition: Cattleya labiata, C. Skinneri, C. Dowiana, Oncidium varicosum Rogersii and Peristeria elata; also a fine lot of Anthurium Scherzerianum. Write for our illustrated, descriptive catalogue of orchids. Special list of freshly imported unestablished Orchids, just ready. Write for a copy.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

'MUMS! ROSES! SPECIAL!

Col. Appleton, 2½-inch, $20.00 per 1000; rooted cutting, $15.00 per 1000. Maj. Bonnaffon, 2½-in., $18.00 per 1000; rooted cuttings, $11.00 per 1000. Our selection in proper proportion of color, 2½-inch, $20 per 1000; rooted cuttings, $12.00 per 1000.

100,000 2½ and 3-inch Maids, Brides, Gates and Meteors. 25,000 2½-inch Stevia and rooted cuttings, $20 and $12 per 1000.

Printed price list furnished on application.

Poehlmann Bros. Co., Morton Grove and Chicago, Ill.

BEGONIA GLOIRE DE LORRAINE,
Begonia Light Pink Lorraine,

For July and Later Delivery, $15.00 per 100; $140.00 per 1000.

Edwin Lonsdale, Wyndmoor, near Cheetnut Hill, Pa.

Watch This Space

FOR FUTURE BARGAINS.

JOHN BROD,
349 West North Avenue, CHICAGO, ILL.
Greenhouses, Niles Center, Ill.

Please mention the American Florist when writing.

Araucaria Excelsa.

We control the American market of this splendid pot plant. Our houses are now full of them. May importation per steamers Nederland, Penland and Kensington. We sell plants raised from top cuttings only (no seedlings), at the lowest cash prices, as follows: Each

5 to 5½ inch pots, 3 tiers, 10 in. and above,	50c
5½-inch pots, 3 tiers, 12 in. and above,	60c to 75c
6-inch pots, 4 tiers, 15 to 18 inches and above	75c to $1.00
KENTIA FORSTERIANA, 25 to 28 inches high, 5 leaves, 5½-inch pots	75c
KENTIA BELMOREANA, 20 inches and over, 5 leaves, 5½-inch pots	75c
FICUS ELASTICA, 4 inches	20c to 25c

BEGONIA, tuberous rooted 5-in. pots, $1.80 per doz.

ASPARAGUS PLUMOSUS (only 300 plants in all), fine, large bushes, just beautiful, 2 years old, from 20 to 25 sprays, out of 5½ to 6-inch pots, 20 cents.

Cash with order, please. ☞ Mention if pots are wanted.

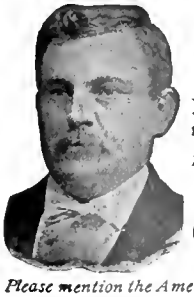
GODFREY ASCHMANN,
WHOLESALE GROWER AND IMPORTER OF POT PLANTS,
1012 Ontario Street, PHILADELPHIA, PA.

Asparagus PLUMOSUS NANUS....

From flats, $2 50 per 100; $20.00 per 1000. 2-inch pots, $4.00 per 100. 25 at 100 rates; 250 at 1000 rates, prepaid. CASH.

LOOMIS FLORAL CO.
LOOMIS, CAL.

Please mention the American Florist when writing.



SMILAX

Fine, large, strong plants, ready to run, $1.50 per 100; $13.00 per 1000. They will please you.

THAT CASH, PLEASE.

C. HUMFELD,
CLAY CENTER, KAN.

Please mention the American Florist when writing.

Toronto.

LITTLE CALL FOR FLOWERS BUT GOOD STOCK NOT TO BE HAD.—SWEET PEAS AND CANDIDUM LILIES DO WELL.—OUTDOOR STOCK NOT SALABLE.—VARIOUS LOCAL NOTES.

We are experiencing the usual summer lull. Hot weather has had a bad effect on the rose crop and there is not enough good stock to fill the few orders. Kaiserin and Meteor hold up fairly well, but Bridesmaid and Bride are small and mostly mildewed, although scarcity keeps the price up to $6 per hundred. Carnations are plentiful and good, but the past week has seen a drop in values and some large quantities changed hands at very low figures. The best flowers at present are sweet peas and candidum lilies, which help in making the stores look cool this hot weather. Not for many seasons have there been such quantities of coreopsis and other outdoor flowers on the market and, unfortunately for the grower, they do not sell readily. White and mauve centaurea, usually so much in demand, are not selling.

Five Toronto firemen lost their lives while fighting fire July 10 and many floral tributes were sent by citizens and comrades.

Wm. Mackay, of Toronto Island, is wreathed in smiles, the stork having visited at his house and left a baby boy.

Stephen Hembrow, of Davisville, has sold his greenhouses to P. Nesbitt, for $3,000.

Hailstones fell on July 14, breaking glass and doing damage to small frults.

Visitor: Mrs. H. E. Philpott, of Winnipeg. H. G. D.

WALTHAM, MASS.—Callie Slick has sold out her flower store and business to Wm. S. Cooney.

TIN FOIL

Plain, Fancy, Printed & Mounted,

Manufactured by

The Conley Foil Co.

521 to 541 West 25th St.,

NEW YORK.

LEADING

Florists' Supply House

M. RICE & CO.

Importers and Manufacturers.

918 Filbert Street, PHILADELPHIA, PA.

Catalogue for the asking.

Adjustable Plant Stands

THE BEST ON THE MARKET.

1 Stand $1.50; 3 Stands $4 00; 6 Stands $7 50; 12 Stands $14.00.

YOU NEED THEM IN YOUR BUSINESS.

C. B. WHITNALL, MILWAUKEE, WIS.

HAIL!

FOR INSURANCE AGAINST DAMAGE BY HAIL, Address

John G. Esler, Sec'y F. H. A.

SADDLE RIVER, N. J.

ESTABLISHED 1866 EMIL STEFFENS SUCC.TO N. STEFFENS AND STEFFENS BROS.

MANUFACTURER OF FLORISTS' WIRE DESIGNS & SUPPLIES

335 EAST 21ST ST. NEW YORK CITY.

"BLACK DEATH" (POWDER) TO EAT THEREOF IS TO DIE.

BUG KILLER and FERTILIZER. Three years of unprecedented success wherever introduced all over the United States has proved "BLACK DEATH" to be a cheap and absolute annihilator of all insects, bugs or beetles that prey on vegetation, foliage and flowers. See what Peter Reinberg said in this paper, Feb. 8. Other strong indorsements sent on receipt of postal card.

Western Sales Agency, 235 Franklin St., Chicago.

HANDLED BY SEEDSMEN. S. D. STRYKER, Agent.

TO KILL ALL

Greenhouse Bugs

USE

"NICOTICIDE"

Clean and harmless as Fumigant or Spray. Ask your seedsman for it or write to

The Tobacco Warehousing and Trading Co.,

1000 Magnolia Ave., - Louisville, Ky

BAMBOO PLANT STAKES

For Chrysanthemums, etc., strong, 3/8 to 1/2-inch, 4 to 6 feet, per 400, $2 50; per 1200, $6.00. Cash with order.

C. H. JOOSTEN, Importer,

178 Chambers St., NEW YORK.

Sigmund Geller

Importer and Manufacturer of

FLORISTS' SUPPLIES

Complete Stock—New Goods—New Illustrated Catalogue Now Ready. Send for it.

108 W. 28th St., near 6th Ave., NEW YORK.

WE NOW OFFER

"Chemicals"

for making LIQUID COMPOST.

Dry powders all soluble in water. Composts cost less than 1/2c per gal. Correspondence invited.

EASTERN CHEMICAL COMPANY, 620 Atlantic Ave., Boston.

Please mention the American Florist when writing.

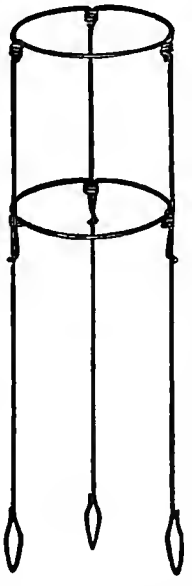
EXCURSION TO CHATAUQUA LAKE, N. Y.

On July 25th, the Nickel Plate Road will sell tickets at rate of $14.00 for round trip. By depositing return portion of ticket with Joint Agent at Chatauqua Lake, an extension may be obtained until August 26 h, 1902. Also lowest rates to Ft. Wayne, Cleveland, Erie, Buffalo and other eastern points. For full particulars, address John Y. Calahan, General Agent, 111 Adams St., Chicago. 34

NOTICE.

THE MODEL PLANT STAKE COMPANY, formerly of Brooklyn, N. Y., has removed to 208 Jersey St., Harrison, New Jersey, and is now The Parker-Bruen Mfg. Co.

The Model Extension Carnation Support.



Flushing, Long Island, Dec 11th, 1901.

MR. THERON N. PARKER, Brooklyn, N. Y.

Dear Sir — I have used your Wire Carnation Support the last two years, in all about 12,000. They fill the bill in every particular. Nothing could be more satisfactory and would give me a great deal of pleasure if I can bespeak a good word for you to the trade and you are at liberty to refer to me at any time. Very truly,

A. L. THORNE.

La Fayette, Ind., July 8th, 1902.

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Dear Sir: — After using your Model Carnation Support in two of our houses the past winter, we have come to the conclusion that it is perfectly adapted to supporting carnations, and shall use them on all our plants the coming season.

We were much pleased with the simplicity, strength and neat appearance of the support.

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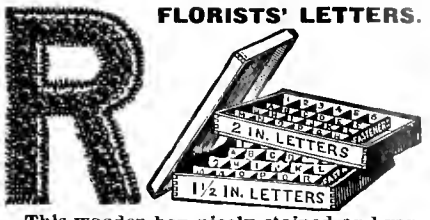

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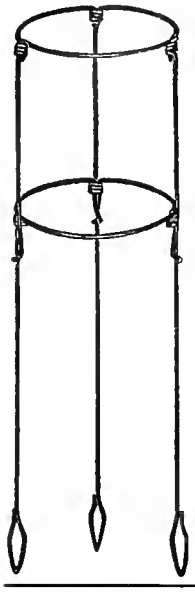

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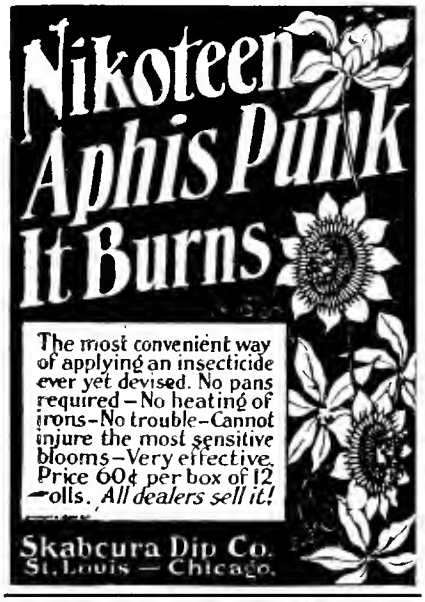

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Of Melons;
Of Asparagus;
Of Hollyhocks, etc.

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"Blumeal"
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Denver.

STOCK NOT PLENTIFUL AND GOOD MATERIAL MOVES WELL.—SWEET PEAS IN FAVOR.—OUTDOOR FLOWERS IN GENERAL OF LITTLE USE.—DEATH OF A POPULAR YOUNG MAN.

The market is not any too well supplied. Owing to the intense heat stock is poor and of little substance. Roses are small and the foliage badly mildewed. Carnations, also, are getting scarce and the supply has considerably shortened up, as several growers have emptied their houses. Sweet peas help to fill the gap and are fine, but still in limited supply. They seem more popular this year than ever and large bunches of them seem to be the right thing. This, though, may be owing to the fact that there is nothing else good. The death of a prominent society woman called for a great deal of funeral work on Saturday and Sunday last. Stock being scarce, it was hard filling orders. Sweet peas were used in large quantities and some pretty wreaths of them were seen. There is an abundance of outdoor stock, but it does not take well and might just as well be left uncut, with the exception of hollyhocks, which come in useful for funeral work.

J. A. Valentine is in the east, having gone to Utica with the body of W. J. Crowe, who died in Denver on Friday, July 11. Mr. Crowe came here about two years ago to benefit his health, and, while he never took an active part, he was well known by all those in the trade. He was a fine fellow and leaves to mourn him a charming wife whose every thought was for her husband.

Summer vacations have started and several of the boys are enjoying outing trips. B.

DAVISVILLE, ONT.—The greenhouse and residence of S. Hembrow has been sold to P. Nesbitt for $3,000.

WASHINGTON, D. C.—Philip Ganges has been confined to his couch the past week with rheumatism in the foot. He is now recovering and expects to be on deck for the Asheville trip.

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3 No. 16 Hitchings Boilers in good order, with New Grates and Fire Bricks. Also 4,000 feet 4-in. cast iron extra heavy pipe, 9 feet lengths, ells, tees and Expansion Tanks.

Cheap for Cash.

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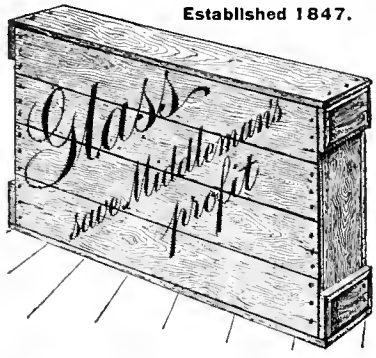

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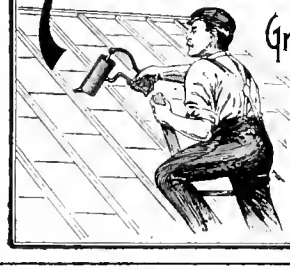

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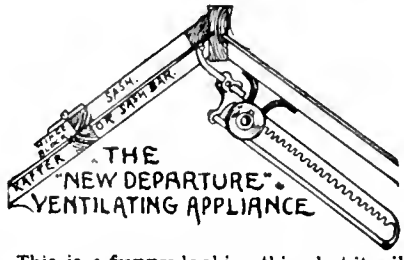

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Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
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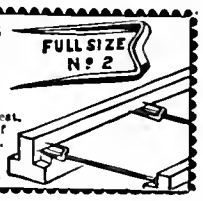

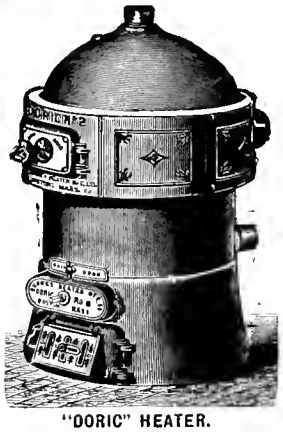
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"Gurney" greenhouses are profitable greenhouses because they're operated under the most economical conditions.

"Gurney" Heaters

maintain an even heat with the least amount of care, burn a minimum amount of coal to maintain the desired temperature, require no brick setting, and are without question the most efficient constructions on the market.

A host of nurserymen already use the "Gurney." If you're not on the list, send for catalogue and find out more about it. **Gurneys** promote the greatest hothouse success.

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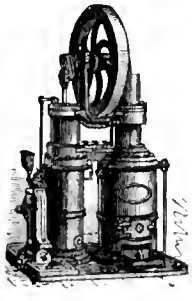

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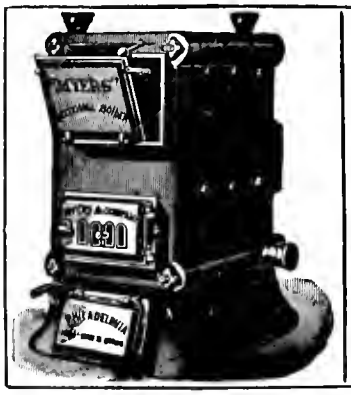

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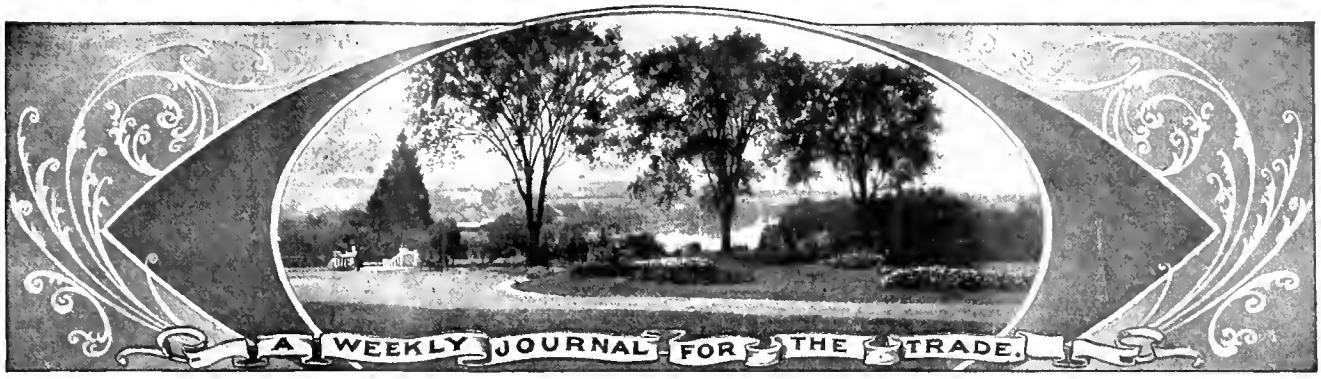

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas.

Vol. XVIII. **CHICAGO AND NEW YORK, JULY 26, 1902.** **No. 738.**

THE AMERICAN FLORIST

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—JOHN BURTON, Philadelphia, Pa., presiden J. W. C. DEAKE, Asheville, N. C., vice-president, WM. J. STEWART, 79 Milk Street, Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The eighteenth annual meeting will be held at Asheville, N. C., August, 19-22, 1902.

THE AMERICAN CARNATION SOCIETY.

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CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Asheville, N. C., August, 1902. Edwin Lonsdale, Chestnut Hill, Pa., Sec'y.

AMERICAN ROSE SOCIETY.

Annual meeting at call of executive committee, LEONARD BARRON, 136 Liberty St., New York, secretary.

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The Window Glass Situation.

Most of this season's large additions are now well under way and the glass bought, if not already laid, but there are, in the aggregate, such large quantities of the various sizes needed for repairs, and so many growers are, as usual, planning the erection of from one to a dozen houses "next year" that the situation in the glass trade is one of considerable interest to greenhousemen.

It is well understood that there has been a lack of harmony among the glass makers. Two years ago the American Window Glass Company, being the most influential factor in the glass trade, put prices up to a level which deterred many florists from building, but as business was good the trust was able to get its price. But so did the independents; the sun shone and they all made hay. When the trust wearied of holding the umbrella over the outsiders prices receded to something like normal and part of the independents organized. Nobody lost money in the business this year, for glass once gladly sold at $2 50 per box is now bringing $4.65 and trade has been so good that stocks are at a very low ebb.

The labor problem is a large factor in the production of glass. Blowing is a trade which is handed down from father to son. It has not, therefore, been possible to increase the output at will. There is now a prospect of machine-made window glass, but the trust controls the patents, and it is yet no more than a prospect at best. Thus far there have not been blowers enough to man all the pots, and there is, with a fair field and good business, always more or less competition among the factories for help. That is the principal reason why wages have steadily advanced, but another reason for the rate paid the last fire was that the trust thought it could afford to make glass expensive for the small factories. The wage scale has not yet been fixed for the fall blast.

Window glass factories suspend operations in the summer; the workmen cannot endure the heat. It is on this summer shut-down that the turn of the game now rests. To some of the glass men it looks as if things are right for a good play. The American closed its plants June 15 and has not its usual summer stock on hand. The Independent Glass Company was over-sold and worked to July 1 with all the men who needed the money. The outsiders did the best they could; none of them had too much glass on hand. The Independent Company promises to start up September 1, which is fully two weeks earlier than usual, for a ten month's fire.

To a man up a tree it looks as though, if this early resumption can be prevented, the stocks now on hand ought to be worth pretty good money. It was this, and the hope of securing harmony and the maximum of profit for next year, which caused J. A. Chambers, president of the American Company, to call a meeting of all the glass interests, at Cleveland recently. It was the largest meeting of glass men ever held, but the Independent Company was not officially represented. An influential committee was appointed to wait on the Independent and if its efforts are successful next season's blast will begin October 15 and not exceed eight calendar months.

In such a case the result will be an immediate and probably well maintained advance in prices, and higher prices will rule next year. But if the plan fails to work there is no telling what may happen. A well posted glass man says that, under existing circumstances, glass buying for future use is simply a speculation, but Frank Hayes, of the H. M. Hooker Company, Chicago, tells the florists that they may rest assured of getting the bottom price whenever they buy, for the competition is so keen for the florists' trade that there is only a very low margin of profit left in the business, particularly as the factories cut as little of the small sizes as circumstances will allow. The larger the sizes the cutter can get out of a sheet the more money there is in it to the manufacturer, and it is not an unprecedented occurrence for the jobber to have to pay a bonus to the factory to get small sizes cut with which to fill florists' orders.

Herbaceous Plant Notes.

Hypericum Olympicum is in flower now. It blooms in terminal peduncles during summer and fall months. The flowers are fully as large as those of the well-known H. Moserianum, but of a deeper golden yellow and surrounded by leafy bracts. The foliage is glaucous green, narrower and longer than in the last named, and the shrubby stems are round. Here in central New York it is hardier than H. Moserianum, which is winter killed occasionally, though not often when planted a trifle deeper than ordinarily. Only the tips of the stems freeze back in winter and, therefore, the older plants attain a better height than H. Moserianum, which loses all previous

growth down to the ground when not protected.

Among the harebells I noticed Campanula rotundifolia alba doing remarkably fine in the borders. Its flowers are of the purest white, as large as those of the best blue types and produced in unlimited numbers all summer and fall. It is not common and deserves wide distribution, being, like the blue, an easy plant to manage in almost any situation and soil when not too much shaded.

Grindelia innloides looks very pretty all summer. It keeps its clean foliage well and grows erect, one and a half to two feet high. The flowers are daisy-like, golden yellow, the disk also yellow, borne singly on the tips of the many branches. The leaves are dark green, narrow, oval with serrated edges. Sometimes, or in some situations, it acts like a biennial, though usually we find no trouble in keeping old plants over winter and as self-sown seedlings appear annually between the rows it is an easy matter to keep up a stock of these charming plants.

Iris aurea, I speak of the species, not of the beautiful deep, pure yellow variety of I. Germanica, which is also very rare in its true form, is a tall Himalayan iris with bright yellow flowers and dark green, sword-like leaves two to three feet long and flower stems one or two feet taller still, bearing several loose clusters of gorgeous bloom. It blooms with I. Kæmpferi or I. lævigata, and as yellow is not represented in that family, a few plants of I. aurea intermixed with them are decidedly effective, though the flowers are not as large as those of the best varieties of the six-petaled Japanese irises. In moist ground it succeeds best, but requires good drainage, certainly more than I. Kæmpferi, which is sometimes planted in boggy places, with water standing around the roots for months at a time. I am in doubt whether I. aurea would flourish in such a situation.

I. gigantea is equally tall in growth and resembles the former in shape of foliage, only it is more glaucous. This iris may be used in the same way, intermingled with the Japanese, as their flowering time is also during June and July. It is lighter yellow in color, shading off to almost white toward the edges of the petals, and the flowers are of good size and substance.

Hemerocallis aurantiaca major is vastly superior to any of the so-called orange colored day lilies. Not only is its color pure and clear, without the rusty reddish tinge we find in the older varieties, but the flowers are also twice as large as in any of the others and are produced very freely. Of course some of the other varieties are quite indispensable, especially the lemon-colored, the variegated and double forms and the dwarfs, but none of these can be compared with it for brilliancy of color.

J. B. K.

Newport Horticultural Society.

The great Casino exhibition, for which the expert gardeners of Newport have been busily preparing for months, was successfully launched on Tuesday, July 22, with music and the attendance of large numbers of the society people. In arrangement and quality of the exhibits it was an unqualified success and creditable in the highest degree to the workers. In the special prizes, of which there were many, Arthur Griffin, gardener to Commodore E. T. Gerry, was well nigh invincible, taking first place in the Mrs. Perry Belmont prize for 150-foot group of decorative plants with an arrangement that elicited admiring praise from everybody for its elegance and finish, first in the Hon. F. P. Garrettson prize for 50-foot group, first in the Mrs. Burke-Roche prize for 100-foot group of caladiums and ferns and first in the Mrs. Stuyvesant Fish prize for twelve specimen stove and greenhouse plants. Second and third Belmont prizes went to Richard Gardiner, gardener to J. J. Van Alen, and David McIntosh, gardener to Dr. Bell, respectively, for splendid groups of anthuriums, crotons, dracænas and ferns. C. D. Stark, gardener to Mrs. George Collord, won the second Garrettson prize and Bruce Butterton, gardener to Mrs. E. J. Berwind, second Burke-Roche prize with very strong groups. W. Barth, gardener to Perry Belmont, was first in the F. Neilson prize for gardenias, the Mrs. F. K. Sturgis prize for display of carnations and the Mrs. F. K. Sturgis prize for fancy basket of flowers, consisting of allamandas.

THE LATE JOHN BRADHSAW.
(See page 933.)

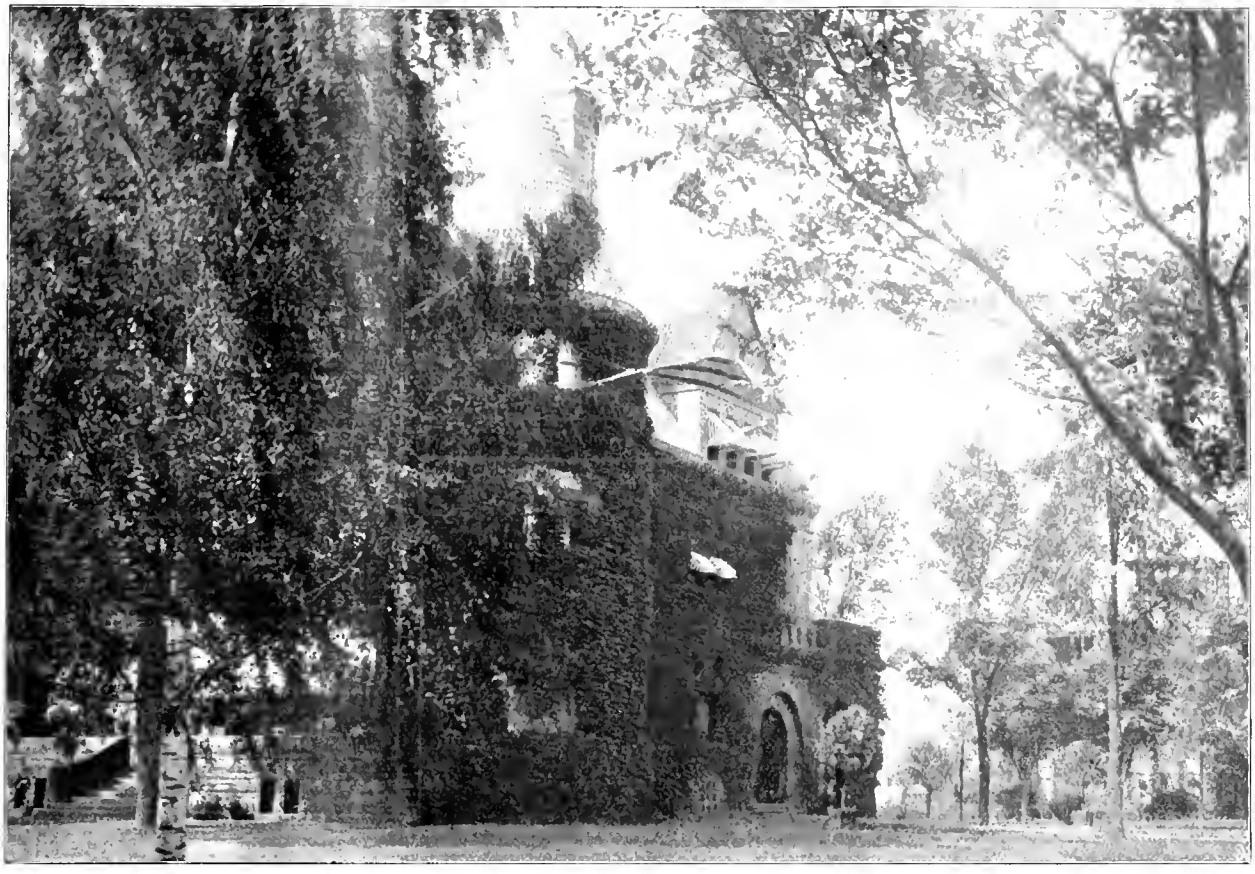
In the society prizes Mr. Griffin was again very fortunate, taking first for twelve crotons, six caladiums, specimen kentia, pair of kentias, and dish of foliage plants for table. Mr. McIntosh was first on twelve foliage plants in 6-inch pots. J. G. Kyle, gardener to Mrs. J. J. Wysong, won out on dish of Adiantum Farleyense, Richard Gardiner on dish of other ferns, with Mr. Barth and Mr. Griffin second, respectively, and on dish of foliage plants second and third went to Mr. Gardiner and the Findlay Greenhouses. There were fine displays of cut flowers, Mr. Barth and the Findlay Greenhouses being first and second on American Beauty roses and also on Liberty. Several of the competitions were arranged to take place on the second day and the results of these as well as several other awards unavoidably omitted from this report will be chronicled next week.

The S. A. F. silver medal was not awarded but the bronze medal went to Richard Gardiner for Cypripedium Gardinerianum, C. insigne × C. barbatum. Certificates of merit were given to Mr. Gardiner for rose Newport Rambler (Wichuraiana × Crimson Rambler) and to John G. Allen, gardener to J. R. Drexel, for a superb gloxinia with a suggestion that it be named Mrs. John R. Drexel. Honorable mention was also given to Mr. Allen for gloxinia plants and for collection of dahlias, to W. Barth for finely grown Mrs. John Laing roses and for hollyhocks, to D. F. Roy for seedling canna Mrs. E. S. Converse with a suggestion that it be shown again in plant form, to Alex. Fraser, gardener to H. McK. Twombly, for a superb display of cactus dahlias, one of which was a seedling named Catherine Duer and was especially admired, to Gibson Bros. for Rose Dorothy Perkins, to Major Gibbs for dwarf Japanese plants and to F. L. Ziegler for artistic display of flowers and seedsmen's supplies. Cultural certificates were awarded to Arthur Griffin for specimens of Allamanda Williamsii and D. F. Roy for Pteris ensiformis var. Victoria. Master Jas. H. Williamson received a special gratuity for a geometrical garden design in flowers and a special prize offered by Clarence Dolan but not printed in the schedule, for display of cut flowers, was won by the Findlay Greenhouses. H. A. Dreer had a fine show of about fifteen species and rare varieties of nymphæas, Major Gibbs a large collection of hardy garden flowers and F. E. Green an interesting lot of seedling perennial phloxes. The fruit displays from the greenhouses of H. McK. Twombly and from A. G. Ferretti were unusually fine. The judges were James Wheeler, H. A. Siebrecht, H. A. Bunyard and W. J. Stewart.

The Embellishment of a Dwelling.

The camera was turned on this Delaware avenue residence in Buffalo for the purpose of illustrating a few ideas in regard to the arrangement of such vines and trees as many florists or gardeners are continually called upon to establish. Here we have a very large house built of red brick. Although the architect diversified the outlines for appearance as well as utility's sake, it was nevertheless a large mass of red brick, lacking harmony with its surroundings. But the beautiful birch trees to the left have grown up in such a position that one can only see a part of the building at a time, there being nothing more beautiful than a birch for a close or foreground view. The nearer walls of the house blend in with the birch so well that you must look very close and carefully to discern which is birch or ampelopis. At the same time the architect's principal outlines are preserved. The glimpse of stairway ornamented with vases leading to the protection of an awning is always pleasant. The one blemish here is the exposure of the stone wall under the awning. A cluster of tamarix with hydrangeas or a combination of sumach, eulalias and phloxes would be a pleasing relief.

The other half of the picture is equally important. First, the large elm together with the birch make the foreground complete, forming a vista, the uncovered portion of building where the porch is arched adding to the effect much better than if it were all completely covered with vine. One great trouble with cultivators generally is that after they become convinced that vines are ornamental and desirable, the more the better without limit is their mistaken rule. The opening through which the well lighted front of a dwelling is seen in the distance adds materially to the distant effect and creates an impression of more



THE EMBELLISHMENT OF A DWELLING.

(A private residence in Buffalo, N. Y.)

room or space. To prevent the appearance of crowding is always desirable. These people have gone to unwarranted expense in placing the two tubs of laurel on the lawn. If they had been more careful in selecting a place for them and had sunk the tubs below the surface of the lawn, we might not say money was wasted on such stock for lawn decoration.

It is surprising how the demand for ampelopsis is kept up in the west by people who visit Buffalo, New York, Philadelphia or Boston and, returning, want to cover their houses with it. If you tell them truthfully that the plant is not hardy and offer Ampelopsis Englemanni, they will reject your advice. The Englemanni, although not quite so close clinging, is the only one satisfactory after the third or fourth year, but our native bittersweet (Celastrus scandens) for running up lightning rods, water spouts or strands of copper wire is most beautiful of all, where loose graceful effects are desired. C. B. W.

Spraying For San Jose Scale.

[The following is a report of the work at Keney Park, Hartford, Conn., by Hans J. Koehler.]

Our spraying for the San Jose scale was done during the months of January, February, March and April. The materials used and the quantities were as follows: Three thousand pounds of whale oil soap, of three different brands, all supposed to be made of potash instead of soda; four barrels of crude petroleum, seven barrels of refined kerosene, and enough of the materials for the lime, sulphur and salt wash to make one mixing as the recipe is given by the Department of Agriculture.

The greater part of the whale oil soap was dissolved in water at the rate of two pounds of the former to one gallon of the latter, and the rest at the rate of one and one-half pounds to one gallon of water, the manufacturers of one of the brands recommending this reduction in the usual ratio for his soap. The directions for use which accompany the soaps often state that they can be dissolved in cold water. This, however, we found impossible after several attempts. Possibly in the summer, with the water naturally many degrees warmer than in winter, it might be done, although it is doubtful. One brand proved refractory even with boiling water, and a barrel full of the dissolved mixture left standing over night was so hard the next morning that it could almost be cut and had to be heated over again before using. The other two brands when once dissolved stayed so and could be used without difficulty even when ice cold.

For heating purposes a sixty-gallon iron kettle was used. This was set into an iron ring which fitted just under the flange of the rim. The ring was supported by five legs. The whole was set up out of doors, and sheet iron was used to confine the fire, an opening being left to secure draft. As the wind shifted the iron was turned accordingly. One man was kept constantly at the kettle, his time being occupied in weighing soap, getting water, splitting wood for the fire, and so forth. He was termed the cook.

The crude petroleum was ordered from the Providence agency of the Standard Oil Company, P. M. Watt, manager, 136 South Water street, Providence, R. I., as recommended in Bulletin No. 135, of the Connecticut Agricultural Experiment Station. We tested it and found it to be of the required specific gravity, that is, between 43 and 45 Beaume. A testing outfit consisting of a hydrometer and hydrometer glass, and a thermometer were bought of a wholesale druggist and cost only $1.50. The cost of the petroleum was 10 cents a gallon, including barrel, shipping charges extra. It was applied pure.

The refined kerosene was ordered from a local dealer and was the same quality we use for illuminating purposes. The barrels were marked "150 Water White Oil." It was applied in the form of a mechanical mixture with water, most of it with the pump set at twenty-five per cent. We found it impossible to maintain the percentage accurately. It was usually greater than that at which the pump was set. In testing it without a nozzle, so that no pressure accumulated in the pump, it worked quite accurately, but soon after putting the nozzle on again pressure would accumulate and the accuracy would be impaired.

Possibly the proportion of accumulated compressed air in the air pump was greater than that in the oil pump, and therefore not enough water was pumped per stroke. Attempts were made to get the desired percentage by setting the pump at a lower percentage than what was wanted. This scheme did not work on account of the varying pressure in the pump, so it is safe to say that we tried all percentages between ten and fifty, the average being probably about twenty-five.

On account of the amount of spraying we had to do, it was impossible to wait until the weather conditions were just

those which are usually prescribed for the use of kerosene and crude petroleum. It might be fine in the morning, at the time of starting out, and then change. Unless it actually began to rain we usually kept right on until quitting time, which was then 4:30 p. m.

We sprayed an old orchard consisting mostly of apples, and a few pears, with twenty-five per cent on a day when the sky was uniformly overcast and which during part of the time was foggy. Up to date (June 19) no injury is apparent; in fact, no injury to anything has yet been noticed where the oil and water mixture was used. Considerable injury was done with the crude oil. A number of peach trees and Cornus florida were killed outright and most, although not all, plants sprayed with crude oil seemed to be retarded in their growth, so that they have not even yet caught up with plants sprayed with other materials.

The peach trees were sprayed in the afternoon of a fairly bright, still day which came in between two rainy days, with snow on the ground, so that there must have been considerable moisture in the air. The other plants were sprayed on an ideal day, that is, clear and windy.

It may be said that all of the plants on which crude oil was used were quite thoroughly drenched. To merely moisten the plants as prescribed was in our experience an impossibility with the pump. The only way we could do this was by making the application with a "cyclone bug exterminator," a syringe made on the plan of an atomizer, and which gives the finest possible spray, much finer than that of any nozzle I have yet come across.

Crude oil applied with this syringe was used on one peach tree about twelve feet high, and the tree given a fine film of oil all over. The difference in favor of this tree and those sprayed with the pump, even where such trees showed no effect of the oil except a retardation of growth, was quite marked. In fact, it seemed to me that this tree started out more vigorously than unsprayed ones even. The application was made on a bright, still day, about two o'clock in the afternoon. A friend of mine sprayed an elm in full leaf in June with pure kerosene with one of these syringes and no injury resulted.

The variety of plants sprayed was quite extensive. Some of those sprayed with kerosene and water were Sorbus nigra, Rosa blanda, R. lucida, R. Carolina, R. multiflora and R. rugosa, Viburnum Opulus and V. dentatum, Cornus stolonifera, C. sericea, C. paniculata, C. florida and C. alternifolia, Pyrus Aucuparia and P. baccata, Prunus maritima, P. serotina, P. Virginiana and P. pumila, Cratægus Crus-galli, C. coccinea, C. cordata and C. Oxyacantha, peaches, pears, apples, plums, cherries and currants.

Just to see what the effect would be, some Pinus strobus, Tsuga Canadensis, Picea excelsa and Kalmia latifolia were sprayed with oil and water, with the pump set at twenty per cent, and some with whale oil soap. No injury resulted in either case. Some of the above mentioned conifers were sprayed with crude oil. All were considerably retarded, although none seem to have been killed.

When applying the lime, sulphur and salt wash care was taken to keep it well agitated. The application was followed by several dry days. The pouring rains which came soon after had no visible effect in washing it off, and weeks afterward the plants looked as white as at the time they first became dry after the spraying, and the smell of sulphur was still noticeable. At first it was thought that this smell might come from sulphur on the ground under the plants, but this proved not to be the case, as an inspection by smell, of the twigs, showed.

It has been suggested that in a moist climate, like that prevailing here in the east, the various compounds of sulphur and calcium which are formed in the preparation of the wash would soon leach out and that the sprayed plants would still be white and seem to have the wash on them, but that in reality very little would be left but calcium carbonate. Would not the presence of the sulphur weeks afterwards as shown by its odor indicate that the insecticidal compounds were still present and that the wash is efficacious even here in the east? Nevertheless, even if it proves a reliable insecticide, it is hardly to be recommended for extensive use on landscape plantings on account of the ugly whiteness which it imparts. It is nevertheless the cheapest of all materials and objections against its use on æsthetic grounds would have little weight on commercial places.

THE LATE THOMAS H. HOSKINS.

(See page 933.)

We found the mechanical mixture of kerosene and water the most convenient of all materials to handle. A supply of kerosene can be taken along and water can be picked up almost anywhere.

Although we bought four different kinds of nozzles we finally eliminated all but one, the Seneca. It is simple in construction, easily adjusted, quickly cleaned when clogged, and is so made that it can be used as a shut-off, a feature lacking in the others. A shut-off of some kind is necessary, as, on account of accumulated pressure, merely stopping the pump does not stop the flow of liquid. This is an item of importance in spraying landscape plantings where plants subject to infestation are mixed in with others which are immune. Even when using the oil and water mixture a shut-off can be used. The two liquids remain mixed long enough so that it is not necessary to empty the hose each time after stopping for only a few moments.

All the various materials enumerated above were applied with a pump made for using a mechanical mixture of kerosene and water, such a pump doing quite well for both the latter and ordinary liquids. It had two hose attachments. Sometimes two leads of hose were used and part of the time only one, in lengths varying from 100 to 300 feet. When two leads of hose were used the spraying gang consisted of five men, one to do the driving and pumping, one at each nozzle and one for each line of hose to help handle it among the trees and shrubs. The men were provided with oilcloth suits consisting of pants, jacket and hat, costing about $2 50 per suit.

An important fact to remember when spraying for the San Jose scale insect is that in the case of shrubs and small trees the insect seems to have a preference for the base of the plants. It will there be found in the greatest numbers and the spraying should be very thorough at that point.

Some Recent Publications.

DEAN'S SYSTEM OF GREENHOUSE HEATING.—*By Mark Dean.*—This is a handy book, containing in compact form many tables and data of great practical utility to those concerned with the arrangement and construction of heating apparatus. The work differs from others of a similar character in that it may be readily mastered by the layman. Price $2 00.

FORESTRY IN MINNESOTA.—*By Prof Samuel B. Green.*—It was in 1898 that this book first appeared and it met with much favor, as may be judged from the fact that the first edition of 10,000 copies is practically exhausted. The work is divided into three sections, "Elementary Forestry," "Trees in Minnesota" and "Forest Trees of the United States." It is extensively used as a text book in the agricultural colleges and this second edition has been improved by additions and corrections. The volume of some 400 pages is well illustrated and substantially bound.

YEARBOOK OF AGRICULTURE FOR 1901.—A large amount of valuable information has been compiled for this annual publication of the Department of Agriculture. The volume for 1901 has just been issued and contains 846 pages. In addition to the usual reports, statistics, etc., we find in the contents a number of original papers likely to interest our readers, as follows: "The Relation of Nutrition to the Health of Plants," by Albert F. Woods; "The Timber Resources of Nebraska," by William L. Hall; "Progress in Plant and Animal Breeding," by Willet M. Hays; "Agricultural Seeds—Where Grown and How Handled," by A. J. Pieters; "The Cotton Seed Industry," by Charles M. Daugherty; "Influence of Environment on the Chemical Composition of Plants," by H. W. Wiley; "Agriculture in the Tropical Islands of the United States," by O. F. Cook; "Little-Known Fruit Varieties Considered Worthy of Wider Dissemination," by William A. Taylor; "The Home Fruit Garden," by L. C. Corbett; "Floods and Flood Warnings," by H. C. Frankenfield; "Progress of the Beet Sugar Industry in the United States," by Walter H. Evans; "Commercial Apple Orcharding," by G. B. Brackett. The book contains numerous illustrations of high character. It is well printed on good paper and attractively bound in cloth. Write your congressman or your senator requesting a copy.

*** Where the price is given, we can supply any of the foregoing publications on receipt of the necessary amount.

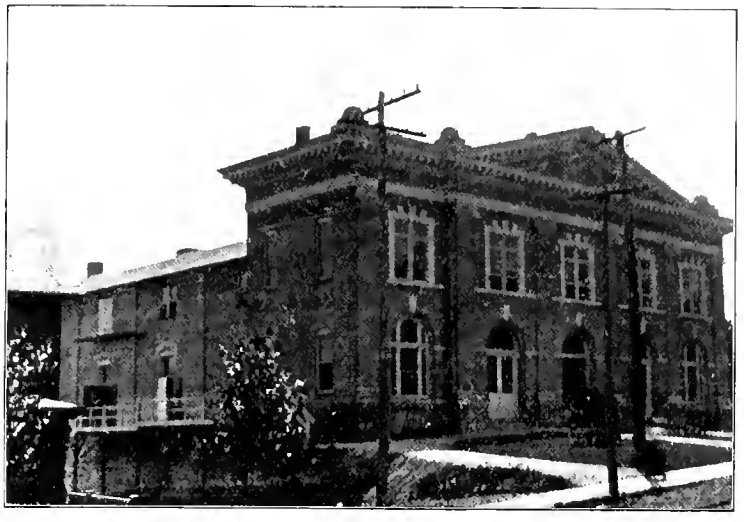
ASHEVILLE Child of the Mountains.

SECRETARY STEWART is just home to New England after a trip to Asheville to further the preparations for the S. A. F. convention, now little more than three weeks away. He returned to Boston with the enthusiasm engendered by his first trip, to the executive committee meeting in March, stimulated by the summer journey to "the land of the sky" and his sanguine expectations of a most successful convention were given further incitement by word that the Central Passenger Association has joined the Southern in granting a rate of one fare for the round trip. A large section of the country is now assured of the cheapest railroad fares ever enjoyed by the S. A. F. and it looks as though the whole country may be admitted to the same privilege.

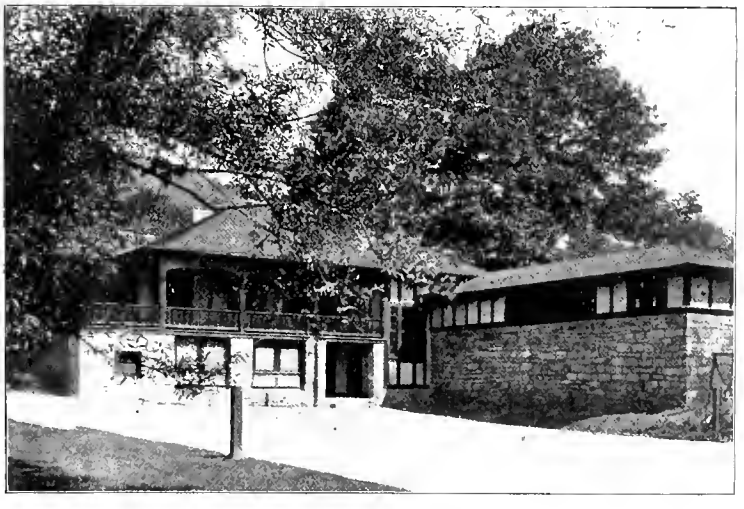
The success of the convention is assured by this reduction in fare, for numbers make for success more than any other factor in such matters, and Ohio, Indiana and Illinois may be counted upon to respond most heartily to the inducement. It will be a great special train which will pull out of Cincinnati on the afternoon of Monday, August 18, bound conventionward, and it will be a merry party that it carries.

Aside from the direct personal and business benefit derived from the meeting, there could be no finer summer outing than is afforded by a trip to Asheville in congenial company. All who have made the journey agree upon its pleasures. J. F. Sullivan, of Detroit, who was in Asheville in March, told his fellow florists, in an address at a club meeting a few weeks later, that his powers of description utterly failed him when he tried to tell of the clear-aired scenic grandeur of this "Switzerland of America." C. L. Washburn, of Bassett & Washburn, Chicago, who was down last winter on account of Mrs. Washburn's health, says the sights are among the finest he has ever beheld and that the climate is perfect. It is so high the air is light and pure and there are none of the sudden changes, seven kinds of weather in one day, which make life so trying in many of the seaboard and lake cities.

The florists' special train will pass through the famous blue grass region of Kentucky by daylight and will wend its way up the Great Smoky mountains as the party sleeps (such of it as care to and don't mind the noise of those who won't) reaching the wonderful valley of the French Broad river by the early light of morning. Here follow three hours ride through one of the most wonderful scenic regions of the world, and the train gets into Asheville in time for breakfast and the opening session of the convention.



THE AUDITORIUM WHERE THE S. A. F. WILL MEET.



ALBEMARLE CLUB, SELECTED FOR CONVENTION BOWLING CONTESTS.

The misapprehensions about the convention city are being rapidly dispelled; it is now generally understood that, being in the mountains, it is not a typical southern city but a hustling town not far different from those of its size in the north except that it has vastly greater accommodations for tourists of varying degrees of wealth. The visitor can domicile where the unfamiliar cookery of the southland is served in the typical southern style, or he can dine with all the appointments of Sherry's or Rector's. But the town has few southern characteristics, although its population is one-fifth negroes, the negroes of the south. The observant young woman who noted that the cake-walkers of her northern home were divided into three social groups, "the lily whites, the chocolate drops and the smuts," at Asheville found none but "smuts," a light hearted, happy folk of few cares and no responsibilities.

The people have none of that deliberation and lack of push which one is apt to associate with the south. The town is northern in its industries, in its architecture and in its associations; four-fifths its white people were born outside the state. The town is advertising itself by means of the conventions obtained for it by its Board of Trade.

One of the accompanying illustrations shows the Auditorium, where the business sessions of the S. A. F. will be held. It is a recently completed structure and affords ample accommodations for the society and for the trade exhibits. The theatre proper is 90x150 and will seat nearly 2,000 persons. The stage is 40x90 and it is here that the exhibits will be displayed, in full view of the convention. The present indications are that the showing of southern products will be large and comprehensive. The hall has a number of well appointed ante-rooms and the whole structure will be at the service of the visitors. The trade exhibition is in the hands of Secretary Stewart and Vice-President Deake.

The sporting arrangements were intrusted to Messrs. A. B. Cartledge, of Philadelphia, and Robert Halliday, of Baltimore. There are several pairs of good alleys in the town, but no one place where there are more than two alleys. The place selected as the principal bowling headquarters is the Albemarle Club, whose establishment is shown in the picture. Here there are excellent alleys, much better than those used at Buffalo, and here the bowling will be conducted should there not be so many teams as to necessitate dividing the contest into sections. Another of the amusement features will be an old-fashioned watermelon feast at Overlook Park high up in the mountains, where the facilities are best for "tickling the angels' feet."

A Crop of Cucumbers.

Many florists are finding it profitable to devote a portion of their glass to the forcing of vegetables, disposing of the principal portion of their crop to the local people and shipping the balance either to hotels, restaurants or other steady outside customers, or to commission houses in the principal markets. Such a successful vegetable grower is Mrs. Cal. Richardson, of Waverly, Ill., whose house of cucumbers is shown in the accompanying illustration. The house, ninety feet long, was planted in the last week of March and the photograph taken June 25. Mrs. Richardson did all the work of growing and feels well repaid by the crop.

Chicago.

RECEIPTS VERY LIGHT AND DEMAND NOT GREAT.—TRADE DECIDEDLY UNDER A YEAR AGO.—CARNATIONS NOW SCARCE—GROWERS THROWING OUT THE OLD STOCK.—CEASELESS RAINS DO MUCH DAMAGE TO OUTDOOR FLOWERS.—VARIOUS DOINGS OF THE GROWERS.

The market is "pursuing the noiseless tenor of its way," little stock coming in and little demand for what there is. The growers who base their expectations upon last year's returns at this season are all protesting to their commission men and the latter have lost heart for the moment, as few of them are in a position to claim that sales foot up anywhere near the record for last July. Furthermore they say that the stock is so poor that if one ships it to an out of town buyer there is complaint, while if the order is left unfilled it goes somewhere else next time. The rose cut has been both light and poor for several weeks but there have been plenty of carnations up to within the past few days. Now most of the old stock has been thrown out and replanting is in order, so that supplies are very light and all the stock which is any good at all, particularly white, is easily sent out on shipping orders. It is in the line of asters, field grown carnation blooms and sweet peas that the bad effects of the long continued heavy rains are most severely felt. There is little prospect of a profit from the asters this year. Unless on high ground they are severely injured, and the outdoor carnations will give few salable flowers, from present indications. The sweet peas, too, show the effects of rain, and few good ones are to be found. Gladioli seem to fare the best of outdoor stock and tuberoses sell for funeral purposes. The receipts of lilies continue heavier than the demand and there are all the greens which anyone may need.

The Chicago Carnation Company has two of its new rose houses finished and the third glazed and nearly completed. The Beauties have been benched nearly a month and are in splendid shape. They have been planting Brides and Bridesmaids this week. The carnation plants in the field, in common with those of nearly all growers in this vicinity, show the effects of the rains.

The South Park Improvement Association is planning a neighborhood movement to secure the horticultural embellishment of that section between the Midway and Fifty-fifth street, Washington Park and Jackson Park. James Jensen has been employed to direct the work. It ought to give the South Side florists some good work next spring.

A. C. Brown, the well known Springfield florist, has been making very creditable showings in the big golf tournaments here the last two weeks. In the American championship match at Glen View he encountered H. C. Egan, son of W. C. Egan, and was beaten by only a narrow margin. At Onwentsia this week Mr. Brown did equally well.

They say that at Vaughan's Greenhouses at Western Springs the cannas are backward because of cool weather and rains, but not so far behind as they were at this date last year when we had had no rains at all.

A meeting of the executive committee of the Horticultural Society of Chicago will be held at the Rialto Building, room 630, at four o'clock this (Saturday) afternoon.

Miss Rose Last, clerk at Vaughan's Seed Store, when bathing at St. Joseph, Mich., one day this week, saved a young girl from drowning.

James S. Wilson, of Vaughan's Greenhouses, Western Springs, celebrated his seventeenth wedding anniversary July 24.

W. N. Rudd practically completed benching his carnations July 21 and he says that date is late enough for him.

Paul Retzer, of Walter Retzer & Company, is seriously ill.

The Boston fern, the gladiolus and the auratum lily are the features of the average window decoration nowadays.

The five new houses of the Guardian Angel Orphan Asylum, each 14x284, are almost ready for planting.

One fare for the round trip to Asheville. Let Ed. Winterson reserve a berth for you.

We are informed that the annual picnic of the Florists' Club will be held August 12.

J. B. Deamud has gone to his farm at Caro, Mich., for a brief vacation.

McKellar & Winterson are receiving large quantities of fine gladioli.

C. M. Dickinson, of E. H. Hunt's, is at home from his New York trip.

Bassett & Washburn redecorated their store during the week.

Visitors: Henry Gaethje, Jr., and Emil Boehm, Rock Island, Ill.; A. C. Brown, Springfield, Ill.; J. A. Shaw, New York; R. C. Whitehill, Fishkill, N. Y.; S. S. Skidelsky, Philadelphia; Geo. H. Bancroft, Cedar Falls, Ia.

MRS. RICHARDSON, OF WAVERLY, ILL., IN HER HOUSE OF CUCUMBERS.

Philadelphia.

GROWER IMPORTS BELGIAN WINDOW GLASS WITH SATISFACTION AND A PROFIT.—DUTY THE GREATEST EXPENSE.—BREAKAGE LIGHT.—INTEREST IN THE CONVENTION TRIP.—LITTLE DOING IN LOCAL STORES.—SHIPPING DEMAND EXCEEDS SUPPLY.—VARIOUS NOTES OF DOINGS OF THE GROWERS.

The following recent experience of a firm doing a lot of building in the neighborhood of this city may be of interest to growers who contemplate making additions in the near future. As glass has advanced to such a high figure, the firm, needing some 500 boxes, concluded to import and gave an order to Belgian glass factories direct for this amount. The order was placed with two houses and one shipment turned out much better than the other, although the quality promised was the same. The saving after all charges were paid was about twenty-five per cent over the price of the same size of glass of American make, with the standard of quality considerably in favor of the imported stock. After the cost of the glass the main item of expense is, of course, the duty, it being $1.50 per box of eighty pounds, which is the weight of a box of 16x24 double thick glass, or 1⅞ cents per pound. The cost of ocean carriage from Belgium to Philadelphia is only 20 cents per box and the risk of breakage is very slight, as in the first ten boxes opened every pane was found perfect. A lot of boxes of 24x30 also carried safely and proved of excellent quality. Every man should be loyal and consistent and if he voted for high tariff buy his glass where the trusts get the duty but if his convictions carried him with the minority then he can save 25 cents on his dollar or about 75 cents on each box of glass, besides helping Uncle Sam out with his household expenses to the extent of the duty paid.

As it comes near convention time the desire to visit the "sky land" appears to be spreading and it now seems as if the convention crowd from this city will assume creditable proportions. It is a great pleasure to hear that the temperature is almost sure to be about 70°, as one of the discomforts of many such journeys to different parts of the country has been the great heat experienced during convention week. At the last meeting of the club Messrs. A. B. Cartledge, David Rust and Robt. Kift were appointed a committee on hotel accommodations

and any one desiring information in this direction will get it by addressing them.

Business is very quiet just now, there being but very little doing. Good flowers are scarce and the commission men, who seem to find more business out of town than in the city, have a great time to get stock good enough to ship. A good many of the store help are now having their vacations and those left in charge are getting the various properties, such as pot covers, stands, and so forth, in order for the coming season. The growers, who seldom take vacations, as they do not have the time, are busy with repairs and planting, although most of the rose planting has been done where the houses are ready for it.

W. J. Stewart passed through our city on Sunday evening on his way home from Asheville to Boston. President Burton expressed himself as much gratified with the prospects for a succesful meeting, after listening to Mr. Stewart's account of the cordial attitude of the Asheville Board of Trade, the Biltmore estate, and the local florists' trade. All difficulties seem to be now smoothed away and nothing remains but to "whoop 'er up" for Asheville, Biltmore, and the "Land of the Sky."

Jos. Heacock has a large force at work putting new gutters and benches in a large range. The walks are to be changed to the sides of the houses, which will give the plants a better chance and adds at least twenty per cent to the efficiency of the houses. Mr. Heacock thinks it is strange it took the trade so long to find this out, but it only shows how custom makes precedents which are blindly followed, even at a loss.

The European travelers from this city are having a good time if one may judge from the souvenir postal cards that are received from time to time.

Robert Craig reached home last Tuesday and looks better and says he is much benefited by his rest. K.

SEVEN-FOOT FUNERAL DESIGN BY GEORGE WALDBART, ST. LOUIS.

Boston.

WEEKLY SHOW AT HORTICULTURAL HALL.—NEW NYMPHÆAS A FEATURE.—MARKET DULL.—RECEIPTS AT LOW EBB.—SUMMER ROSES SELL BEST.—BOARD OF AGRICULTURE CELEBRATES SEMI-CENTENNIAL.—NOTES.

The exhibition at Horticultural Hall, July 19, included two tanks of very fine aquatic flowers from Mrs. J. L. Gardner, Wm. Thatcher, gardener, and Oakes Ames, R. M. Grey, gardener, to whom the premiums were awarded in the order named. The collections were conspicuous for the many fine nymphæas of recent production which they contained. J. E. Rothwell, E. Johanssen, gardener, contributed a group of cattleyas, miltonias, cypripediums and oncidiums which attracted much attention. In the line of summer flowers there were tuberous begonias from E. S. Converse, D. F. Roy, gardener; hollyhocks from E. L. Lewis, sweet peas and Phlox Drummondii from W. J. Clemsen, Ed. Powell, gardener; dahlias in large variety from B. F. Flanders and hardy phloxes from Geo. Hollis. Among the latter was one seedling named Gaiety for which Mr. Hollis received honorable mention.

Nothing worthy of especial remark is going on in cut flower business. Receipts of greenhouse products are lighter than they have been, with a beneficial effect on general results. Much of the rose stock coming in is very inferior in quality and is practically unsalable, the only kind that can be disposed of for summer demand being clean and well up in the points that go to make a rose desirable in winter. The varieties that do this most readily in summer, such as Kaiserin Augusta Victoria and President Carnot, are the best sellers. Cool weather has benefited the sweet peas, which are still offered in excellent quality. A few early asters are seen.

The semi-centennial of the Massachusetts State Board of Agriculture was observed in Horticultural Hall on Tuesday, July 22. There were many speakers of note. Dr. H. Fernald was elected inspector of nurseries. Prof. F. A. Waugh was selected to fill the vacancy caused by the resignation of Prof. Maynard as chairman of the horticultural committee of Amherst Agricultural College.

Fire in the pottery of A. H. Hews & Company, at North Cambridge, caused a damage of nearly $2,000 on Tuesday morning. It is supposed to have been a case of spontaneous combustion. The property was mostly covered by insurance.

L. W. Hastings, a florist of Brookline, has brought a bill agaist his wife and secured a temporary injunction restraining her from leasing the estate and ousting him from it. He claims that she is of unsound mind.

Hailstorm at Erie, Pa.

Early on the morning of July 17 the vicinity of Erie, Pa., was visited by the heaviest hailstorm in its history, much damage being done to vegetation and every greenhouse owner in the city lost glass, save John Laver.

The Schluraff Floral Company was the greatest loser, the breakage being between 2,500 and 3,000 panes of glass, with an attendant loss of some $400 to $500. They were partially protected by the Florists' Hail Association.

S. Alfred Baur lost between 600 and 700 lights of glass and Clark & Robb counted up 400 perforated panes.

E. C. Hill reports 300 lights broken and John Frost figures a loss of $200.

Leonard A. Spoden thinks he will not get out much under $200 and J. M. Hoeffner and H. Tong count on $100 loss in glass.

In one of F. H. Hermann's houses more than half the glass was broken, while the other escaped much easier; $200 will pay the bill.

Ernest Neuberger was one of the heaviest losers and it will take from $400 to $500 to repair the damage.

Of course, with such heavy hail the stock in the houses was cut up.

THE AMERICAN FLORIST

SEVENTEENTH 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.

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ver space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

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-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., Chicago.

DON'T let the summer slip by without making the little repairs which will be big ones by next year.

THE general business prospect is for heavy trade in fall and you will do well to make ample preparations for it.

THE big carnation growers are reducing their plantings of Mrs. Bradt this year, giving the space to white and red.

ALTHOUGH the violet growers did not last year do as well as in the years preceding they have nearly all this summer found means to increase their planting.

OF the less known pæonias seen in the cut flower markets this spring none has made a better impression than Lady Elonora Bramwell, a fine rose pink. Kelway & Sons, the large English growers, list it seventh in naming the best twelve.

HEAVY rains are still falling almost daily over the great central section of the country, from Ohio to Nebraska, and the injury to outdoor stock will amount to a vast sum in the aggregate. Asters are almost a failure for summer cut flowers, but the greatest loss will be on carnation plants, many growers who annually sell thousands of surplus plants this season counting themselves fortunate if they have stock to plant their own houses.

New York to Asheville.

A reduced railroad rate of $23.72 for the round trip has now been secured from New York to Asheville. No certificates are necessary; through round trip tickets to destination will be issued at the figure named—$23.72. Sleeping car berth from Washington to Asheville costs $3.

The New York delegation will leave on Monday, August 18, by the 10:10 a. m. train, via Pennsylvania Railroad. This will enable the eastern delegates to join those from Philadelphia and other points en route to Washington, at which city a special train will be made up, arriving in Asheville about 8:30 a. m. Tuesday, August 19.

No more favorable rate concession has ever been granted to S. A. F. delegates than that given by the Southern Railway Company, and a large eastern representation should result.

Delegates intending to travel with the New York party should at once notify any one of the Florists' Club's transportation committee, which is composed of Alex. Wallace, Box 1697, New York; A. H. Langjahr, 19 Boerum Place, Brooklyn, N. Y., and Theodore J. Lang, 670 Sixth avenue, Manhattan.

Society of American Florists.

RATES TO ASHEVILLE.

The Central Passenger Association, including all the territory from St. Louis, Keokuk, Chicago and Lake Michigan, eastward to Toronto, Erie and Pittsburg and southward to the Ohio river, now announces co-operation with the Southern Passenger Association in the concession of one fare for the round trip to the Asheville convention, for continuous passage in each direction.

WM. J. STEWART, Sec'y.

Half Fare to Asheville.

Largely through the efforts of G. H. Mitchell, of the Big Four R. R., the Central Passenger Association has at last granted a rate of one fare for the round trip to Asheville from all points in its territory. This means that every florist in the states of Wisconsin, Illinois, Indiana, Michigan and Ohio can attend the convention for one-half the regular fare. We believe this to be the lowest general rate ever given the society. If there is a large attendance at Asheville, no doubt this rate may be obtained for future conventions; but if the trade does not respond and make the returns profitable to the railroads interested, it is very doubtful whether so low a rate can be obtained again for many years.

Greenhouse Building.

New Albany, Ind.—A. Rasmussen, range of houses.

Danville, Ill.—Rhoten Bros. & Company, house 34x250.

Newark, O.—Geo. L. Miller, house 30x120. A. J. Baldwin, one house.

West Mentor, O.—Carl Hagenburger, four houses 20x89, three 20x110.

Cincinnati, O.—G. Bruner's Sons, house 25x140.

Hyde Park, O.—Sunderbruch & Meier, rose house.

Beverly, Mass.—George Ward, three houses.

Lockland, O.—W. K. Partridge, range of rose houses.

Maywood, Ill.—H. Wehrman, house 24x100.

Orchids of Easy Culture.

ED. AM. FLORIST:—We have some fine clumps of Epidendrum venosum growing on pieces of charred oak hanging from the rafters in our greenhouses. Some of them have had from twelve to twenty spikes of bloom this season and have filled the houses with their fragrance. They are no trouble to grow here and are in bloom about six weeks. I would like to know if there are any other orchids that can be grown in the same way and bloom as freely as the above.

W. C.

Many of the Mexican and South American orchids can be grown successfully on boards, rafts and so forth hanging from the roofs of greenhouses. The temperature and moisture required will depend upon the species grown. I will name a few that will do finely in a temperature of from 50° to 55° at night and 60° to 65° in daytime, used for general stock of greenhouse plants: Lælia anceps, L. albida, L. autumnalis, Dendrobium nobile, Odontoglossum citrosmum, Oncidium sphacelatum, also Oncidium varicosum. With a temperature 60° at night and 70° in day almost all varieties of cattleya may be grown. These will require more shading than the Mexicans. A moderate amount of orchids on the roofs does not detract from the culture of many kinds of greenhouse stock, say azaleas, aspidistras, Dracæna indivisa and so forth. Of course, over a bed of verbenas, geraniums and other soft-wooded stock the moisture through syringing would not be just the thing during the flowering season.

WM. MATHEWS.

Tuberose Bulblets.

ED. AM. FLORIST:—I wish to know if the small bulblets on tuberoses should be removed before planting out the bulbs and whether the dry roots should be cut off.

L. C. L.

Tuberose bulblets should be removed before planting the parent bulbs and the dried fibrous roots at the bottom of the bulbs may be pulled off, but there is no object in cutting away any of the root base unless it is dead, in which case the dried or rotted part may be removed. It is important that the soil be pressed firmly about the bulbs, especially at the base when planting them either in pots or in the open ground.

Heating With Boiler Flues.

ED. AM. FLORIST:—I have a lot of 4 inch boiler tubes with which I would like to heat two small houses. One is 21x30 feet, side walls five feet high and eleven feet to ridge. Here I want 50° to 60° when it is 20° below zero outside. The other is a carnation house 12x30 feet. It is attached to the first house on the north and the south wall is four feet high, the ridge seven feet. Here 45° to 50° is the temperature required. Each house is three-quarter span. How many feet of the old flues will be required in each house?

L. D. H.

For the wide house four pipes running around three sides will answer. If there is a doorway in the end return the pipes on each side from the door. For the other house use two pipes instead of four.

L. R. TAFT.

Piping and Stack.

ED. AM. FLORIST:—We are building eight connected houses, no partition walls, and wish to heat them with steam. Four of the houses are 21x206 and the other four 21x140. The gutters are six feet six inches from the ground and the ridges thirteen feet. The west end is protected by a brick wall and bank to the level of the gutters, and the north side gutter is level with the street, leaving only the east ends and south side exposed. The main flow pipe will run along one end of the range. For roses and general stock in Iowa how many 1¼-inch pipes under the benches will it take with one overhead flow, and how large should this flow pipe be? We have a fifty horse-power boiler and wish to put in another of equal size or a little larger. Will our present stack, 30x30 and fifty feet high, be able to handle both boilers or will it be necessary to build a larger stack for best results?

K. F. C.

For the long houses use one 3-inch or two 2½-inch overhead flows. One 2½-inch flow will answer for the short ones. In the rose houses ten 1¼-inch pipes will be needed, but eight will suffice in the carnation houses. If the south walls are much exposed one additional return may be necessary. One sixty horse-power boiler should heat the eight

houses in all but very severe weather. With a good grade of coal the present chimney should answer for both boilers, if the draft is not obstructed. Fully as good results can be obtained if the overhead flows are not used, making up the radiation by means of two additional pipes in the coils of each house and bring back the condensed water in a common return for all the house. L. R. TAFT.

OBITUARY.

SIMON DELAUX.

European papers announce the death of Simon Delaux, who was well known as the originator of many of the best French varieties of the chrysanthemum. He died at Toulouse June 8.

STEPHEN CRANE.

Stephen Crane died suddenly at Norwich, Conn., on July 14. Mr. Crane had been to a funeral and returned to his home about 3 p. m. He was sitting in a chair when without any warning he fell forward and almost immediately died. Mr. Crane was born in Barre, Orleans county, New York, March 24, 1828, and was the son of Jerry Crane and Orissa Fisher. He went to Norwich in 1861 as traveling salesman for the nurseries of Ellwanger & Barry, of Rochester, N. Y. His early experience gave him a thorough training for this business and he became a very successful salesman. Six years later he went into business for himself and established the Crane nurseries. Mr. Crane was a non-affiliating Mason, having in early life joined a lodge in Albion, N. Y. He was a stockholder and member of the board of directors of the Norwich *Bulletin*. His first wife, who was Miss Mary E. Starr, of Barre, N. Y., died in November, 1878. In 1879 he married Mrs. Sarah L. Brown, a daughter of the late O. E. Reynolds, of Norwich. She survives him, together with three children by his first marriage.

JOHN BRADSHAW.

John Bradshaw, an old, respected and highly esteemed citizen of Ossining, N. Y., died July 18, in the 74th year of his age. He was born in Northwich, Cheshire, England, in 1828, and came to this country at the age of 21. He first started as head bookkeeper for the firm of Straitton-Storms & Company. In 1858 he took the position of general superindent and manager of Gen. Aspinwall's country seat, then called Rockwood, now the country seat of Wm. Rockefeller, where he remained for twelve years. He resigned and started a large greenhouse establishment at Glendale, three miles north of Ossining. He first grew grapes and afterward was one of the pioneers in Marechal Niel roses. From those he changed to the specialty of Perles and American Beauties, of which he sent in the finest quality to the New York market. In 1898, because of old age and poor health, he was compelled to retire from the growing business, when he joined his son, George E. Bradshaw, the wholesale florist, as bookkeeper, which position he faithfully filled until August 18, 1901, from which time until his death he suffered greatly, and five children, Herman N., Mrs. Edward Pietsch, Katherine, George E., and E. Warley, remain to mourn his departure. He was a man of sterling character, genial and unassuming, and will be lovingly remembered by many friends. The funeral service took place at St. Paul's church, Sunday, July 20. Interment was at Sleepy Hollow Cemetery, Tarrytown, N. Y. The floral tributes were the most beautiful ever seen in Ossining, numbering fifty in all, of which many came from the leading commission and retail houses in New York city. The trade in general was well represented at the service. G. E. Bradshaw wishes to thank all his friends and customers for himself and family for the beautiful floral offerings which they sent, as a last token of love for his father.

THOMAS H. HOSKINS.

Thomas H. Hoskins, fruit grower, experimenter and exemplary citizen of Vermont, whose demise was chronicled in our issue for July 19, was born at Gardiner, Me., in 1828. He lived at Louisville, Ky, for a time and practiced medicine. Then he removed to Boston and for many years contributed to the New England agricultural press. As the result of an injury he gave up his medical practice in 1866 and located at Newport, Vt., to go into fruit raising. He thought he saw an opportunity where no one else believed fruit could be grown and for these many years he has possessed orchards which were an inspiration to the whole section of northern Vermont and the Province of Quebec. The farm lies within five or six miles of the Canada line, on one of the higher ridges of the Green Mountains, sloping toward the north. It is in a spot famous for its long, cold, bleak winters. Amid these surroundings Dr. Hoskins' orchard has been looked upon as the final testing ground for all the "iron clad" fruits. He brought out the Yellow Transparent and had an interest in the introduction of the Scott Winter apple. In 1870 Dr. Hoskins founded the *Vermont Farmer* and made it a power in the land. For twenty years he was agricultural editor of the *Vermont Watchman*. His third wife survives him.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of ten cents a line (six words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1902 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

SITUATION WANTED — By a thoroughly experienced young lady, who is a good designer, saleslady and book-keeper. Address G L, care American Florist.

SITUATION WANTED — By first-class all-around grower and florist, roses, pinks, etc., general stock; sober, reliable, married man; references; commercial or private. East preferred. GROWER, care W. J. Stewart, 79 Milk St., Boston.

SITUATION WANTED—To take charge of a private estate, or as manager of commercial business. Large experience in greenhouse and out of door work, and capable of filling either position to satisfaction of employer. Address A B, care American Florist.

SITUATION WANTED—By Aug. 4, a first-class carnation grower, aged 28, German, experienced in every branch of the trade, would like to take charge of department or run a medium sized place. First-class recommendations as an honest, sober and faithful worker. Good wages expected. Address ALABAMA, care American Florist.

WANTED Man as helper in general greenhouse work. FRANK BEU, 2780 N. 40th Avenue, Chicago.

WANTED—2 good men, roses and general stock; steady place for quick men. C. H. FREY, 1133 O Street, Lincoln, Neb.

WANTED—A man with experience in growing roses. References required. ROBT. SCOTT & SON, Sharon Hill, Del. Co., Pa.

WANTED—Greenhouse men; steady work; will pay good wages. With or without board. Address R, care American Florist.

WANTED Hot water boiler, large enough to heat 2,500 feet of glass. Must be in good condition Address J. P. ESCH, Huron, O.

WANTED—Florist, single, German, middle age, with good reference to grow cut flowers and pot plants. MRS. GEO. WALDBAUER, Saginaw, Mich.

WANTED Two young men to work in greenhouses Roses and carnations. State wages wanted with board. Address COLE BROS., Box 577, Peoria, Ill.

WANTED—Rose growers and helpers; also one man that understands growing chrysanthemums. The highest wages and steady work. BASSETT & WASHBURN, Hinsdale, Ill.

WANTED—Assistant in rose and carnation houses, also boy to learn the business. State age and wages wanted, including board and washing. Apply to JOHN L. WYLAND, De Haven, Pa.

WANTED—A young man who understands something about orchid and fern growing. State where last employed and wages wanted, with board. Address J. M. GASSER CO., Euclid Ave., Cleveland, O.

FOR SALE 1 Spence hot water boiler, No. 5, capable of heating 3,500 to 4,000 feet of glass, first-class condition. Price $75.00. JANESVILLE FLORAL CO., Janesville, Wis.

FOR SALE — Greenhouses and dwelling, (no stock), centrally located in city of 4,500; long established paying business; no competition; 3,200 feet of glass. Cause, death of owner. Address MRS. MARY BEZNER, Extrix., Jerseyville, Ill.

FOR SALE OR LEASE—In a city of about 50,000 population, a well established greenhouse plant of 25,000 feet of glass, good dwelling, barn and everything complete. Will sell on easy terms or rent as long as parties want, but parties leasing same must buy stock. Don't answer unless you mean business. B J, care Am. Florist.

FOR RENT—At Frederick, Md., greenhouses in complete order, 162x20, 63x18, 107x11, boiler room 60x18, equipped with No. 8 Furman boiler, small heater and all necessary pipes; large mushroom pits, stable, two acres of ground; dwelling for rent in immediate neighborhood; coal, manure, labor cheap, city water; no stock on hand. Rent $300 per annum, half payable in advance every six months. Ill health of owner compelled retirement from successful business; principally vegetables under glass and mushrooms for Washington and New York. Address HENRY TRAIL, Frederick, Md.

Wanted EXPERIENCED TRAVELER to sell European Plants, Bulbs, Seeds, etc., to Wholesale Seedsmen, Florists and Nurserymen. Must be of gentlemanly appearance, healthy, sober and energetic. Steady position. State references, former occupation and salary wanted. Address confidentially,

AUG. RHOTERT, 26 Barclay St., New York.

Ice Boxes For Sale.

A real cherry hard wood ice box in good condition, size 5 feet 3 inches wide, 8 feet high, 3 feet deep, price $50.

A PINE ICE BOX, 6½ feet high, 11½ feet long, 3 feet 9 inches deep, price $25.

CHAS. A. DARDS, 341 Madison Ave., N. Y.

FOR SALE.

Complete Floral Establishment

AT WHITE HALL, ILL.

Only one there: 6,000 feet of glass, steam heated; also dwelling adjoining, all in good condition. Terms easy. Address

P. H. BRUECK, Decatur, Ill.

NOTICE

— OF —

STOCKHOLDERS' MEETING.

CHICAGO, July 19, 1902.

Stockholders of the American Florist Company:

You are hereby notified that the annual meeting of the Stockholders of the American Florist Company will be held in the Battery Park Hotel, Asheville, N. C., Wednesday, August 20, 1902, at 3 o'clock P. M., for the purpose of electing directors and officers for the ensuing term, and for the transaction of such other business as may come before the meeting.

J. C. VAUGHAN, Pres.
M. BARKER, Sec'y.

Providence.

BUSINESS NARROWED DOWN TO FUNERAL WORK.—LITTLE VARIETY IN STOCK BUT QUANTITIES SUFFICIENT.—PERSONAL AND TRADE NOTES.

If it were not for the good run of funeral work business would not be worth mentioning. So valuable is this branch of our trade that all florists should zealously guard its welfare. Flowers are scarce in variety but sufficient in quantity for all needs. Carnations at 50 cents and roses at $2 and $3 per hundred constitute the chief stock. Sweet peas bring 20 cents per hundred and gypsophila 25 cents per bunch. The florists downtown are closing early, although it is desirable that it be made more general.

The Florists' Club held its July meeting with satisfactory attendance and interesting proceedings. The members are arranging for an "outing" this month.

The Sons of Temperance and the Baptist Young People's Union held conventions in our city the past week, but nothing accrued to the florists thereby.

O'Connor, T. J. Johnston and Macnair are the only ones giving their employes an afternoon each week. Perhaps the others will fall into line soon.

There has been a plenty of moist weather, but nothing like the rainfall on our western brethren. Plants are in satisfactory shape in the fields.

George Barker will assume command of the store while Mr. Keller is on his vacation to Watch Hill for a month.

M. M.

VERONA, N. Y.—J. E. Hughes recently had a wedding decoration at Oneida for which he received over $1,100 and which Peter Crowe, of Utica, said was as fine a thing as he had ever seen. The church was decorated with pæonias and greens, to represent a Japanese garden, and at the home of the bride all the pictures were removed from the walls, their places being supplied by panels of satin trimmed with orchids.

ESTABLISHED 1802

THORBURN'S SEEDS

FREESIAS, CALLAS, LILIUM HARRISII, ETC., ETC.

If our trade bulb list has not been received, we shall be glad to send it on application.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

CINERARIA GIANT PRIZE, pkt., 50c.
CALCEOLARIA GRANDIFLORA, pkt., 50c.
PRIMULA CHINESE FRINGED, pkt., 50c.
CYCLAMEN Giganteum, 100 s. 75c; 1000, $6.
PANSY SUPERB MIXTURE, oz., $5.00.
W. C. BECKERT, Allegheny, Pa.

McKELLAR & WINTERSON CO.

Supply Everything Used by Florists, Nurserymen, Gardeners, Seedsmen..... Cemeteries, Parks, Etc.

HEADQUARTERS on CUT-FLOWERS
45-47-49 Wabash Ave.
Telephone Main 1129. ...CHICAGO

Wholesale Flower Markets

MILWAUKEE, July 21.

Roses, Beauty, med, per doz.	1.00@ 1.50
" " short "	.50@ .75
" Liberty	6.00@ 8.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	4.00@ 6.00
" Golden Gate	4.00@ 6.00
" Perle	4.00@ 6.00
Carnations, ordinary	1.0 @ 2.00
Sweet peas	.10@ .25
Adiantum	.75@ 1.00
Smilax	12.00@15.00
Asparagus	65.00
Common ferns	.25

PITTSBURG, July 24.

Roses, Beauty, specials	20.00@25.00
" " extras	10.00@15.00
" " No. 1	4.00@ 6.00
" " No. 2	2.00
" Bride, Bridesmaid	1.00@ 5.00
" Meteor	.50@ 2.00
Carnations	.50@ 2.00
Asters	1.00@ 1.50
Lily of the valley	2.00@ 3.00
Harrisii lilies	10.00@12.50
Gladioli	3.00@ 6.00
Sweet Peas	.20@ .50
Smilax	10.00@12.50
Adiantum	.75@ 1.00
Asparagus	35.00@40.00

CINCINNATI, July 24.

Roses, Beauty	10.00@20.00
" Bride	2.00@ 3.00
" Bridesmaid	2.00@ 3.00
" Meteor	2.00@ 3.00
" La France	3.00@ 4.00
" Kaiserin	3.00@ 4.00
Carnations	.75@ 1.50
Asters	1.50
Gladioli	3.00@ 5.00
Lily of the valley	3.00@ 4.00
Sweet peas	.20@ .25
Asparagus	50.00
Smilax	12.50
Adiantum cuneatum	1.00
Common ferns	.15

ST. LOUIS, July 24.

Roses, Beauty, short stem	3.00@12.00
" Bride, Bridesmaid	2.00@ 4.00
" Golden Gate	2.00@ 5.00
Carnations, ordinary	.75@ 1.00
" choice	1.50
Asters	1.00
Hollyhocks	1.00
Gladioli, Tuberoses	3.00@ 5.00
Ismene lilies	5.00@ 6.00
Lily of the valley	3.00@ 4.00
Sweet peas	.25
Smilax	12.50@15.00
Asparagus Sprengeri	1.00@ 1.50
" Plumosus	1.00@ 1.50

"Fumigation Methods"
BY PROF. JOHNSON.
Every Grower needs this book..... Price $1.00
AMERICAN FLORIST COMPANY,
324 Dearborn Street, ...CHICAGO.

E. H. Hunt,
WHOLESALE.....
Cut Flowers
THE "OLD RELIABLE,"
76 Wabash Ave., CHICAGO.

Poehlmann Bros. Co.
Wholesale Growers of and Dealers in Cut Flowers
All telegraph and telephone orders given prompt attention.
GREENHOUSES: Morton Grove, Ill.
35-37 Randolph Street, CHICAGO, ILL.

The Cincinnati Cut Flower Co.,
437-439 Main St. CINCINNATI, O.
WHOLESALE FLORISTS.
Consignments Solicited.
Special Attention Given to Shipping Orders.

HEADQUARTERS IN MICHIGAN FOR FANCY CUT FERNS.
Michigan Cut Flower Exchange.
Fancy fresh cut Ferns, $1.00 per 1000. Discount on large orders. Give us a trial for Ferns the year around.
BRONZE GALAX, $1.00 per thousand.
26 Miami Ave., DETROIT, MICH.

H. G. BERNING
Wholesale Florist
1322 Pine St., ST. LOUIS, MO.

Frank M. Ellis,
WHOLESALE FLORIST,
1316 Pine Street, ST. LOUIS, MO.
CONSIGNMENTS SOLICITED.

C. A. KUEHN,
Wholesale Florist,
1122 PINE STREET,
ST. LOUIS, MO.
A complete line of Wire Designs.

Pittsburg Cut Flower Co. Ltd
WHOLESALE FLORISTS.
Pittsburg, Pa.
Please mention the American Florist when writing.

.....If your.....
Business Methods
are right you can make a profit on an advertisement here.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Avenue, CHICAGO.

FRANK GARLAND,

Wholesale Grower of **Cut Flowers**

SPECIAL ATTENTION GIVEN TO HARDY CUT **FERNS**

55-57 WABASH AVENUE,

Telephone Central 3284. CHICAGO.

GEO. REINBERG,

Wholesale Grower of *Cut Flowers*

Choice American Beauties.

We will take care of your orders at reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

600,000 FEET OF GLASS.

Headquarters for American Beauty.

51 Wabash Ave., - CHICAGO, ILL.

JOHN MUNO,

Wholesale Grower and Shipper of **Cut Flowers**

Room 221, 51 Wabash Ave., CHICAGO.

TELEPHONE CENTRAL 3598. All telegraph and telephone orders given prompt attention.

Holton & Hunkel Co.

Wholesale Florists,

457 Milwaukee St., MILWAUKEE, WIS.

Please mention the American Florist when writing.

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 establish permanent business with the best trade in the United States.

E. C. AMLING,

PRICE LIST.

BEAUTIES.		
24-inch stems, per doz.,		$2.00
20 " " "		1 50
16 " " "		1.00
12 " " "		.75
6 to 8-in, " per 100	$4.00	5.00
		Per 100
Brides	$2.00	4.00
Maids	2.00	4.00
Meteors	2 00	4.00
Gates	2.00	4.00
Carnations	1.00	1.50
Callas ..per doz.,	1.00	1.25
Auratums, per doz., 1.00 1.25		
Asters	1.00	2.00
Valley, select	4 00	5.00
Marguerites	.40	.50
Asparagus plumosus, per stg,		.50
" Sprengeri	2.00	4.00
Galax " 1.25;		.15
Ferns per 1000, $1.00,		.15
Adiantum	.50	.75
Smilax per doz.,	1.25	1.50

Prices subject to change without notice

The Largest, Best Equipped and Most Centrally Located Wholesale Cut Flower House in Chicago.

All Flowers In Season.

During July and August, we close at 5 p. m.

Long distance 'Phones 1977 and 1999 Central.

32-36 Randolph St. CHICAGO, ILL.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

Wholesale Flower Markets

CHICAGO, July 25

Roses, Beauty, 24-inch stems		2.00
" " 20 " "		1.50
" " 15 " "		1.00
" " 12 " "		.75
" " 6 to 8 " " per 100	4.00@	5.00
" Bride, Bridesmaid	2.00@	4.00
" Meteor	2.00@	4.00
" Perle	2.00@	4.00
" Golden Gate	2.00@	4.00
Carnations	1.00@	2.00
Asters	1.00@	2.00
Gladioli	3.00@	5 00
Lily of the valley	4.00@	5.00
Harrisii	6.00@	10.00
Auratums, per doz., 1.00@1.25		
Callas per doz., 1.00@1 25		
Cattleyas per doz. 6.00		
Sweet peas	.15@	.25
Asparagus, per string, .50		
Adiantum	.50@	.75
Common ferns, per 1000, 1.00@1.50	.15@	.20
Galax leaves, per 1000 $1.25		.15
Smilax per dozen 1.25@ 1.50		

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florists

31-35 Randolph St., CHICAGO.

Consignments solicited.....

Extra Fine VALLEY

During the summer, $1.00 to $5.00 per 100.

H. N. BRUNS,

1409-1411 W. Madison St., CHICAGO.

Chicago Carnation Co., Joliet, Illinois

Please mention the American Florist when writing.

J. B. DEAMUD,

WHOLESALE

Cut Flowers,

51 WABASH AVENUE

'Phone Central 3155. .....CHICAGO.

RICE BROTHERS

WHOLESALE FLORISTS and FLORAL SUPPLIES.

Receivers and Shippers of Fresh Cut Flowers.

Special attention to shipping orders. A complete line of Florists' needs. Send for price list. Prompt returns on all consignments.

128 N. Sixth St. MINNEAPOLIS, MINN.

Please mention the American Florist when writing

A. L. Randall,

WHOLESALE FLORIST.

4 Washington Street, CHICAGO

Send for weekly price list and special quotations on 1000 lots.

WEILAND-AND-RISCH

CHICAGO'S RELIABLE

Wholesale Growers and Shippers of

CUT FLOWERS,

59 Wabash Ave., Chicago.

SEND FOR WEEKLY PRICE LIST.

WHOLESALE FLORISTS

GALAX Bronze or green, 75c per 1000, in 2'00 lots or over; single 100, $1.00. Fern, Fancy, $2.50 per 1000; Fern, Dagger, $1 50 per 1000. Leucothœ Sprays, bronze and green, assorted sizes, $1 per 100. Green sheet moss, $2.50 per bbl. bag.

L. J. KRESHOVER,

110-112 W. 27th Street, NEW YORK CITY.

Telephone call, 597 Madison Square.

HARRY A. BUNYARD, Mgr.

American Florist Advts.

Reach all Trade.

Select VALLEY IN QUANTITY.

During July and August will be open from 7:30 A. M. to 6.00 P. M. Saturdays, close at 1.00 P. M.

SAMUEL S. PENNOCK,
Wholesale Florist,
1612-18 LUDLOW ST., PHILADELPHIA, PA.

GEO. A. SUTHERLAND,
34 Hawley St., BOSTON.
Telephone 1270 Main.
BEST BOSTON FLOWERS. All Supplies.
An entire floor Devoted to Stock and Manufacturing. Distributing Agent for United States for the wonderful

Koral

LETTER, unequalled for design work. Script, any color, 3½c a letter. Block letters, 1½c each. The most elaborate design work to order in a few minutes.

GENERAL AGENTS:
H. BAYERSDORFER & CO., Philadelphia.
REED & KELLER, New York City.

A FULL STOCK OF
SEASONABLE FLOWERS.

CITY HALL CUT FLOWER MARKET
WELCH BROS., PROPS.
9 CHAPMAN PLACE, 15 PROVINCE STREET, **Boston, Mass.**

FANCY and DAGGER FERNS
75 CENTS PER 1000.
BRONZE OR GREEN GALAX $1.00 PER 1000.
LAUREL FESTOONING, just the thing for summer decorations, only 4, 5 and 6c per yd. Discount on ferns and laurel in large quantities.

Millington, Mass.
Tel. office, New Salem.

N. F. McCARTHY & CO.
Best Quality
CUT FLOWERS
and Supplies,
Tel. 734 and 64 Main. 84 Hawley St., BOSTON.

N. Y. CUT FLOWER EXCHANGE
Coogan Bldg, 6th Ave. and W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning .....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.

SHIPPING LABELS FOR ....Cut Flowers
Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....
ELECTRO OF THIS LEAF, POSTPAID, $1.25.
American Florist Co., CHICAGO.

Wholesale Flower Markets

BOSTON, July 23.

Roses, Beauty, extra	10.00@20.00
" " medium	5.00@ 8.00
" " culls	.50@ 2.00
" Queen of Edgely	10.00@16.00
" Bride, Bridesmaid, Meteor	.50@ 2.00
" extra	4.00@ 8.00
" Kaiserin Carnot	3.00@ 8.00
Sweet peas	.05@ .10
Carnations	.25@ 1.00
Lily of the valley	2.00@ 4.00
Lilies	3.00@ 5.00
Adiantum	.75@ 1.00
Asparagus	50.00
Smilax	20.00

PHILADELPHIA, July 23.

Roses, Tea	4.00@ 6.00
" " extra	7.00@ 8.00
" Beauty, extra	20.00@25.00
" " firsts	10.00@15.00
" Queen of Edgely, extra	20.00@25.00
" " firsts	10.00@15.00
Carnations	1.00@ 3.00
Lily of the valley	3.00@ 4.00
Asparagus	25.00@50.00
Smilax	12.50@15.00

BUFFALO, July 24.

Roses, Beauty	6.00@35.00
" Bride, Bridesmaid, Meteor	4.00@ 7.00
Carnations	1.00@ 2.00
Sweet peas	.25@ .50
Lily of the valley	3.00@ 4.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.50

Give Us a Trial. We Can Please You.

Roses, Carnations and all kinds of Seasonable Flowers in stock.
WM. F. KASTING, Wholesale Commission Florist,
481 Washington St., Buffalo, N. Y.
Dealer in Florists' Supplies and Wire Designs.
Open Day and Night.

THE
NEW YORK CUT FLOWER CO.
55 and 57 West 26th St.,
WHOLESALE FLORISTS,
Daily Reports. Weekly Payments.
TELEPHONES: 2239 Madison Sq. 2034 Madison Sq.
J. A. MILLANG, MANAGER

GEORGE SALTFORD,
Wholesale Commission Florist.
46 West 29th Street, NEW YORK.
Fair dealing and prompt returns guaranteed. Correspondence solicited.

ROVATZOS & MOLTZ
Buy and Sell.... **FLOWERS** on Close Margin.
Headquarters, 56 West 26th Street,
WRITE, TELEGRAPH OR TELEPHONE. Opposite Cut Flower Exchange, NEW YORK CITY.

HARDY Cut Dagger and Fancy Ferns.
A No. 1 quality $1 per 1000.
Brilliant Bronze and Green Galax, $1 per 1000, in 5,000 lots.
Laurel Festooning, 4, 5 and 6c per yard. Orders by mail, telephone or telegraph promptly attended to. Discount on large orders. L. D. telephone 2618 Main.
HENRY M. ROBINSON & CO., 32-36 Court Sq., Boston.

GARDENING
This is the paper to recommend to your customers, the leading horticultural journal in America for amateurs ....
$2.00 Per Year. Sample Copies Free.
Liberal terms to florists who take subscriptions.
THE GARDENING CO. MONON BUILDING, Chicago, Ill., U.S.A.

THE AMERICAN FLORIST'S
COLOR CHART
PRICE 15 CENTS POSTPAID.
AMERICAN FLORIST CO., Dearborn St., Chicago, Ill.

During July and August store will be open from 7 a. m. to 6 p. m.

LEO. NIESSEN,
N. W. corner 13th and Filbert Streets, Philadelphia.

FOR SEASONABLE FLOWERS

SEND TO

JOHN I. RAYNOR, WHOLESALE COMMISSION FLORIST.

Telephone 1998 Madison Square — 49 W. 28th St., NEW YORK.

YOUNG & NUGENT

Tel. 2065 Madison Sq. NEW YORK. 42 West 28th St.

Are supplying the most superb stock of SUMMER FLOWERS ever offered to New York buyers. Meteor, Liberty, Beauty, Bride and Maid Roses. Splendid Cattleyas Gigas and Mendellii.

SEND FOR QUOTATIONS.

Walter F. Sheridan,

Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Telephone Nos. 2239 and 2034 Madison Square.

MOORE, HENTZ & NASH

Wholesale Commission Florists,

55 and 57 West 26th St., NEW YORK CITY.

Adjoining New York Cut Flower Co. salesroom. Finest Salesroom in the Trade. Inspection Invited. All business, selling or shipping, strictly commission.

WHOLESALE WILLIAM GHORMLEY, COMMISSION

RECEIVER AND SHIPPER OF FRESH CUT FLOWERS. DAILY STOCK OF ALL THE CHOICEST VARIETIES FROM BEST GROWERS WHO SHIP TO NEW YORK.

ORCHIDS, ROSES, CARNATIONS, VALLEY.

Telephone 2200 Madison Square, 57 WEST 28th STREET, NEW YORK CITY.

JOHN YOUNG

Special American Beauties,
Surpassing Carnations,
Lily of the Valley, Orchids,
and all Seasonable Flowers.

51 West 28th St., NEW YORK.
Tel. 1905 Madison Sq.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR

Violets and Carnations

GROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER,
30 West 29th St., New York.
Telephone 551 Madison Square.

Frank Millang

Open from 6 a. m. to 5. p. m.

Cut Flower Exchange, 55-57 W. 26th St.
Phone 299 Madison Square. NEW YORK.

ESTABLISHED 1872.

JOHN J. PERKINS,

COMMISSION FLORIST,

Solicits Consignments or Shipping Orders. Satisfaction given in both.

Write for Terms. 115 West 30th St., New York.

Bonnot Bros.

WHOLESALE FLORISTS.

55 and 57 W. 26th St. Cut Flower Exchange, New York.

OPEN 6:00 A. M.

An Unequalled Outlet for Consigned Flowers.

Choice Carnations. Selected Roses.

Traendly & Schenck

NEW YORK CITY,

38 W. 28th Street, Cut Flower Exchange.

New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

NEW YORK, July 23.

Roses, Beauty, select	15.00@25.00
" " medium	5.00@12.00
" " culls	.50@ 2.00
" Bride, Bridesmaid	.50@ 6.00
" Liberty, Meteor	1.00@ 5.00
" Testout, Kaiserin, Carnot	1 00@ 5.00
Carnations	.25@ 1.00
Lily of the valley	1.00@ 2.00
Callas, Lilies	3.00@ 5.00
Sweet peas, per 100 bunches, 1.00 2 00	
Cattleyas	25.00@40.00
Smilax	8.00@10.00
Adiantum	.50
Asparagus	35.00@50.00
" Sprengeri, per doz. bun	2.00@ 3.00

RELIABLE AT ALL SEASONS.

Best Flowers.

REASONABLE PRICES.

J. K. ALLEN

Telephone 167 Madison Square.

OPEN AT 8 A. M. DAILY.

106 W. 28th St., NEW YORK.

FORD BROS.

Receivers and Shippers of

FRESH FLOWERS,

111 West 30th St., NEW YORK.

Telephone 157 Madison Square.

Julius Lang

53 West 30th Street, NEW YORK.

REPRESENTS THE BEST GROWERS OF

ROSES, CARNATIONS, VALLEY.

TELEPHONE 280 MADISON SQUARE.

ALEX. J. GUTTMAN,

Wholesale Commission Florist,

A full supply daily of the choicest New York and New Jersey

FLOWERS.

52 W. 29th Street, NEW YORK CITY.

Telephone 1738 Madison Square.

A. H. LANGJAHR,

Wholesale Commission Florist,

BEST FLOWERS SHIPPED AT LOWEST NEW YORK PRICES.

19 Boerum Place, Brooklyn, N. Y.

TELEPHONE 939 MAIN.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 905 Grand Ave., KANSAS CITY, MO.

☞ LONG DISTANCE 'PHONE AT EITHER PLACE.

EDW. C. HORAN.

47 WEST 28TH ST.,

Tel. 421 Madison Square, ...NEW YORK.

CUT FLOWERS AT WHOLESALE.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

WALTER P. STOKES, Pres.; C. N. PAGE, First Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

BEAN crop reports continue unfavorable; white beans have advanced sharply.

IMPORTED red clover is said to be much inferior to American grown for use in this country.

A. H. GOODWIN, of the Goodwin, Harries Company, Chicago, is in Michigan inspecting pea and bean crops.

LOUISVILLE reports indicate a very good crop of yellow and white onion sets; the red is not grown there.

A. J. BROWN, of Grand Rapids, Mich., who is spending his vacation at Ottawa Beach, paid a brief visit to Chicago July 22.

LILIUM HARRISII bulbs are beginning to come in. From twenty per cent to thirty per cent of the crop used in the United States arrived in New York July 15.

PEA crop reports are very indefinite; the Sturgeon Bay, Wis., district evidently has a better crop than New York state, the Michigan outlook being something between the two.

THE attitude of Secretary Wilson, of the Department of Agriculture, on government seed distribution, dated May 9, 1902, is shown in the latest yearbook of the department. We hope to refer to this at greater length in an early issue.

Bermuda Grass.

The "Yearbook of the Department of Agriculture" for 1901, page 27, gives an economical plan for getting a start with this valuable grass, using imported seed, which is said to germinate much better than that raised in this country.

Nebraska Seed Crops.

One of the growers writes as follows: under date of July 16: "We beg to advise that owing to the abnormal rainfall and the extremely cold weather experienced during the past month, crops in our line of specialties have been retarded in growth and are therefore generally later than we have ever known them to be at this season of the year. In many instances the continuous rains have flooded the fields, resulting in the crops being drowned out and destroyed.

"It is too early to form any definite conclusions excepting in relation to Stowell's Evergreen sweet corn and Improved Long Green cucumbers, which we can now see will be short with us, in all probability at least fifty per cent. Exceedingly favorable weather for the next four weeks will make a material change in other crops for the better."

European Flower Seed Crops.

An Erfurt correspondent writes as follows under date of July 5:

"Everything is about two weeks late this year as compared with former years. This is due to the extremely cold weather in May and the hard frosts in April, when the thermometer went down to 20° Fahrenheit. In spite of this the outlook for good crops is encouraging. Myosotis seed was not harvested until the end of June instead of the beginning of that month as usual and the crop turned out much better than expected. Pansies are also late, many of the flowers having been killed by frost in May. It is only now that the first gathering of seed is being made.

"Asters, verbenas, dianthuses and other summer flowers look well. Stocks in pots are now in full bloom. Early flowering perennials, such as aubretia, Papaver nudicaule, arabis and others were also injured by the May frosts. The outlook for all annuals, on the whole, is promising."

Lilium Harrisii in South Carolina.

In reply to an inquiry of last month, one of the South Carolina experimenters with Lilium Harrisii bulbs wrote June 22 as follows:

"The Agricultural Department three years ago inaugurated a number of experiment stations for the growth of Lilium Harrisii or Bermuda lilies. Out of all these stations I understand that this is the most successful. From 300 bulbs first sent I have now on hand several thousand at a pecuniary profit.

"The bulbs grown so far have only been planted for propagation purposes and do not bloom in this climate in the open ground until May, but I see no reason why, if they are taken in hand by florists and planted early enough, they should not be ready for the market in time for Easter. This part of it I know nothing about but may take it up this fall and try what forcing will do.

"This year owing to a severe drought the bulbs did not appear to do so well as in former years, but from samples taken up the bulbs show good growth, and are in good condition—firm and quite a number of young bulbs. Of course it is difficult to tell the crop increase now, as we will not begin to dig the bulbs for a month yet. I may say that so far the experiment is very successful and demonstrates conclusively to me that the home grown bulbs propagate freely and can be grown, with ordinary care, in this climate."

Canadian Horticultural Association.

The convention this summer of the association will celebrate its fifth birthday. The organization and first convention was held at Toronto, then at Ottawa, Montreal and London respectively. This year the convention is to be held at Hamilton, Ont., a thriving city forty miles nearer the boundary line than Toronto. Though Hamilton does not possess any of the very largest glass areas in the Dominion yet it is a thriving center of floriculture. The vast amount of flowers and plants grown and sold is surprising to many outsiders, as is also the high standard and quality which is maintained.

September 3 and 4 are the convention dates and a third day will doubtless be arranged for sight-seeing. Three of the most interesting features of Hamilton's scenery are the mountain overlooking the city, the long beach well patronized as a summer resort, washed by Lake Ontario on the one side and Hamilton Bay on the other, the great Winona and Grimsby peach and fruit belt, beginning just east of the city and aptly termed the "Garden of Canada."

The Hamilton Gardeners' and Florists' Club has joined with the local Horticultural Society for the purpose of holding a flower fete and trade exhibit in the Thistle Curling Rink on September 3 and 4. The Gardeners' and Florists' Club intends to make the trade exhibit a matter of special effort, believing that there is much stock grown in the country which nearby consumers do not know of. A trade paper is looked forward to as the best remedy for this state of affairs but one has not as yet been successfully launched.

Information concerning objects, membership, etc., of the Canadian Horticultural Association may be obtained from A. H. Ewing, Woodstock, Ont. Information concerning exhibition matters may be obtained from Chas. M. Webster, Hamilton, Ont.

JUST ARRIVED!

First Consignment of

French Bulbs.

WE CAN SUPPLY FOR IMMEDIATE DELIVERY:

WHITE ROMAN HYACINTHS, finest quality bulbs, 12 to 15 cm. in circumference, $3.00 per 100; $26.00 per 1000.

NARCISSUS PAPER WHITE GRANDIFLORA, $1 per 100; $9 per 1000.

CALLAS—We can offer an unusually fine stock of these for delivery early in August at the following low prices, viz.:
Extra quality bulbs, 1¼ to 1½ inches diameter, $5.00 per 100; $40.00 per 1000.
Selected bulbs, 1½ to 1¾ inches diameter, $6.00 per 100; $50.00 per 1000.
Mammoth bulbs, 1¾ to 2 inches diameter, $8.00 per 100; $70.00 per 1000.
Exhibition bulbs, 2 to 3 inches diameter, $10.00 per 100.

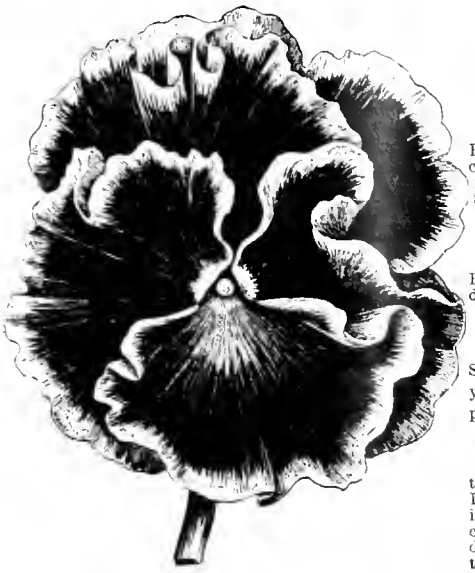
FREESIAS—Selected bulbs, ½ in. and up in diameter, 75c per 100; $6 per 1000.
Mammoth bulbs, ¾ inch and up in diameter, $1.00 per 100; $8.00 per 1000.

LILIUM HARRISII—Finest selected bulbs, 6 to 7 inches in circumference, case 350 bulbs for $17.50; in less quantities, $6.00 per 100.
Finest selected bulbs, 7 to 9 inches in circumference, case 200 bulbs for $20.00; in less quantities, $11.00 per 100.

LILIUM LONGIFLORUM, (Bermuda grown)—Bulbs 7 to 9 inches in circumference, case 200 bulbs for $20.00; in less quantities, $11.00 per 100.

BERMUDA BUTTERCUP OXALIS, 75c per 100; $6.00 1000.

F. R. PIERSON CO., TARRYTOWN-ON-HUDSON, N. Y.



MASTERPIECE.

Our Pansies, Cannas and Roses received gold medals at the Omaha Exposition in 1898 and the Pan-American Exposition in 1901.

VAUGHAN'S "INTERNATIONAL"

Received the only reward for Mixed Pansies at the World's Fair. It is to-day better and more complete than ever. It contains the cream of the stock of 10 Pansy specialists. There is no better mixture in existence, as all the florists who saw or used it can tell you. Price per oz., $10.00; ½ oz., $5.00; ⅛ oz., $1.50; trade pkt., 50c.

VAUGHAN'S "GIANT MIXTURE."

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 had any other way. If your trade demands large flowers there is no better mixture. Price, ¼ lb., $14; oz., $4; ⅛ oz., 60c; td. pkt., 25c.

VAUGHAN'S PREMIUM MIXTURE.

Embraces all the varieties of the Fancy German Sorts. We have sold this mixture for the past 16 years and it has given general satisfaction. Per pkt., 25c; ⅛ oz., 80c; ½ oz., $3.00; oz., $5.50.

IMPROVED GERMAN MIXTURE.

This is a mixture of three strains from different German growers, and is made up mostly of separate colors, with a sufficiently large percentage of white and yellow. Per large pkt., 25c; ⅛ oz., 40c; ¼ oz., 60c; oz., $2.00.

MASTERPIECE—NEW GIANT CURLED.

This strain comes nearer to "Double Pansies" than anything ever introduced under that name. In reality the number of petals is the same as that in other Pansy flowers, but they are crimped and curled in such a fashion that the flowers appear double. The flowers are of enormous size, often three inches across, and the color variations and combinations are odd and striking. Pkt. 50c; ⅛ oz. $1.00.

NEW GIANT MADAME PERRET (True).

This novelty is specially distinguished from other pansies by the plant being full and spreading, with very broad and extremely dark green leaves. The straight and stiff stems it possesses cause the flowers to stand out well from the foliage. The color of the blossom ranges through all the shades of red from a pink to a fine deep purple, with an intermediate bright red edged with white. Trade pkt., 25c; ⅛ oz., 50c.

"Vaughan's International" Primrose Mixture.

Unquestionably the best mixture of Chinese Primroses. It contains the largest variety of the best selling colors. Flowers large, beautifully fringed, borne in large clusters well above the rich green leaves. Pkt. (250 seeds) 50c; 5 pkts. (1250 seeds) $2.00.

CHINESE PRIMULA, Chiswick Red; Alba Magnifica, white; Blue, Pink, Striped. Each, per pkt. of 250 seeds, 50c; 1000 seeds, $1.75.

DOUBLE CHINESE PRIMULA, white, pink, red or mixed, per pkt. 50c.

CINERARIA VAUGHAN'S COLUMBIAN MIXTURE. A mixture of the best English and German strains, unsurpassed. Pkt. (1000 seeds) 50c; 3 pkts. $1.25.

CINERARIA HYBRIDA, LARGE FLOWERING, white, blood-red or crimson, double white or best double mixed, each, per trade pkt., 50c.

CALCEOLARIA HYBRIDA, choicest mixture. pkt. 50c.

10 PER CENT discount on flower seed orders amounting to $2 and over for **Cash with order.**

VAUGHAN'S SEED STORE, 14 Barclay Street, New York. 84-86 Randolph St., Chicago.

Storekeepers

Extra fine blooming **CYCLAMEN PLANTS** for a change in your window at $18.00 per 100; $2.50 per doz. Cash or C. O. D.

Asparagus Plumosus, 3-inch pots, at $7.00 per 100.

C. WINTERICH, DEFIANCE, OHIO.

5,000 SMILAX, extra to close.
500 HIBISCUS, in 2½ to 4-inch.
5,000 SPRENGERI, 2 to 6-inch.
5,000 PLUMOSUS, 2 to 5-inch.
BOSTON FERNS, 4 to 10-inch.
Let us book your order.

GEO. A. KUHL, Pekin, Ill.

ASPARAGUS PLUMOSUS

3-inch strong, $5.00 per 100.

SMILAX, 2-inch, strong, $1.50 per 100.

BONE MEAL. Best in the market for Florists' use, $3.50 per 200 lb. bag.

ALBERT M. HERR, Lancaster, Pa.

ASPARAGUS PLUMOSUS

Extra fine, 3-inch stock, $7.00 per 100. Write for prices on larger quantities.

VAN WERT GREENHOUSES, Van Wert, O.

CELERY PLANTS

Best plants and varieties grown, $1.50 per 1000. Large lots cheap.

G. VAN BOCHOVE & BRO.
KALAMAZOO, MICH.

ONION SETS—NO MORE OF THEM.

Sow my Hardy White Onion.

SEND FOR CIRCULAR.

BEAULIEU, the Pansy Man, WOODHAVEN, N. Y.

Please mention the American Florist when writing.

RUPP XXX SEEDS.

CHINESE PRIMROSE. Finest grown, large flowering, fringed, single and double, 15 vars., mixed. 500 seeds, $1.00; half pkt., 50c. Have also the 15 vars. separate.
CINERARIA. Finest, large flowering, dwarf varieties, mixed, 1000 seeds, 50c.
DAISIES. Finest Double Giant, pure white and rose, mixed or separate, 1,000 seeds, 25c.

PANSY, FINEST GIANTS.

The best large flowering varieties in choicest mixture; critically selected, 5,000 seeds, $1.00; half pkt., 50c. ☞CASH. A pkt. of new everblooming Forget-me-not "Constance" added to every order.

JOHN F. RUPP, Shiremanstown, Pa. "The Home of Primroses."

Society of American Florists National Convention,

AUGUST 19th to 22nd, 1902,

ASHEVILLE, NORTH CAROLINA.

For this convention the "Big Four Route" (C. C. C. & St. L. Ry.) will sell tickets August 16, 17 and 18, good for return leaving Asheville not later than August 25, at **one fare for the round trip** from all "Big Four" stations. ($20.00 round trip from Chicago.)

Florists' Special train will leave Chicago 8:30 P. M. Sunday, August 17th, running via "Big Four" to Cincinnati, thence via the Queen & Crescent and Southern Railways. Monday forenoon will be spent in Cincinnati, sight-seeing, etc., leaving there at 2 P. M. on the Florists' Special. Every florist should make a big effort to attend this convention, the first to be held in the beautiful Southland.

For berths in sleepers from Chicago or Cincinnati, and further information call on, or address E. F. WINTERSON, President Chicago Florists' Club, 45 Wabash Avenue, or J. C. TUCKER, Gen'l Nor. Agt. "Big Four", 234 S. Clark Street, Chicago.

ASHEVILLE, NORTH CAROLINA.

'The Land of the Sky.'

The eighteenth annual meeting American Florists will be held at Asheville, August 19th to 22d, 1902.

A rate of **one fare for the round trip** has been made via Queen & Crescent Route and Southern Railway. Special train, composed of Pullman sleepers, will leave Cincinnati, Monday, August 18th, 2:00 p. m., via Queen & Crescent Route, and run through to Asheville via Southern Railway, arriving at Asheville next morning 7:00 o'clock.

Members will meet at Cincinnati and all go through together from there.

For sleeping car reservations and full particulars regarding rates, write

J. S. McCULLOUGH, N. W. P. A., Southern Ry. **225 DEARBORN ST.**

W. A. BECKLER, N. P. A., Queen & Crescent Route. **113 ADAMS ST.**

CHICAGO, ILL.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

CHAS. A. ILGENFRITZ, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y. Twenty-eighth annual convention, Detroit, Mich., June, 1903.

VISITED ST. PAUL: Louis Goeppinger, representing Peignaux & Lorin, of Angers, France.

VISITED CHICAGO: John P. Brown, Connersville, Ind., secretary of the International Society of Arboriculture, enroute home from Colorado.

THE twenty-sixth annual meeting and exhibition of the Georgia State Horticultural Society will be held at Macon, Ga., August 6 and 7.

PROF. F. A. WAUGH, of the Vermont Experiment Station, has been appointed professor of horticulture at the Massachusetts Agricultural College, Amherst, succeeding Prof. S. T. Maynard.

Look Out for Red Spider.

Those owning or caring for hemlock or Norway spruce hedges will do well to watch for the appearance of red spider and promptly adopt a means of eradication. Its appearance is generally recognized by a yellow and sickly appearance of the foliage. Perennial phloxes this year seem to be more or less troubled with the same enemy and many apparently diseased plants will, on inspection, be found covered with red spider on the under side of the leaves. The antidote is kerosene emulsion applied through a good spraying nozzle and force pump. If not possessing one, a hand syringe will do but, remember, promptness in such matters will bring its own reward. F. C.

Detroit.

CLUB HAS ITS MOST ENJOYABLE OUTING.—A PICNIC ON AN ISLAND.—BUSINESS DROPS OFF.—FUNERAL FLOWERS THE PRINCIPAL DEMAND.—PARTY OF TEN LIKELY FOR CONVENTION TRIP.—A WEDDING AND OTHER NOTES.

The Florists' Club outing on Tuesday, July 22, was the most successful and enjoyable of any in the history of the club, the party numbering about seventy-five. Leaving the city on the new excursion boat, Columbia, the trip was made to Bois Blanc Island, one of Detroit's most popular picnic grounds, in Detroit river, sixteen miles from the city. The weather was clear and beautiful, which in itself was a treat and contributed much to the general enjoyment of the day. Games of baseball, quoits and jumping, with dancing and other amusements, were indulged in till dark, when the return trip was made to the city. Prizes aggregating in value to about $20 were distributed to the victors in the various games. The day will long be remembered by the many happy participants.

Summer dullness is now everywhere evident, although occasional funeral orders give relief to the monotony. There are few good roses to be had but carnations are holding out well in both quality and quantity. Lawsons are especially fine and command good prices. There is an abundance of asters of fair quality, but little call for them. Sweet peas are plentiful but they, too, meet with the same fate as asters. The excessive rains are still retarding greenhouse work to a serious extent. Many are unable to do their planting of roses and chrysanthemums. Carnations in the field are suffering considerably and in some cases a great loss of plants will be felt.

The club meeting of July 16 was well attended and full of interest, the chief topic of the evening being President Rackham's very complete and interesting description of his recent trip east, which included Buffalo, New York and the prominent establishments of New Jersey and on Long Island. By present indications a party of about ten from here will attend the convention at Asheville. The route selected is over the Michigan Central and C. H. & D. R. R., joining the northern delegations at Cincinnati. At the next meeting of the club, August 6, the annual election of officers will take place. A full attendance is expected.

THE LATE STEPHEN CRANE.

(See page 933.)

The business difficulties of Charles Schaible have finally culminated in the abandonment of his store at 308 Woodward avenue. His plans for the future are uncertain.

Miss Emily Taplin, daughter of the veteran florist, was married last week to Edward Stapleton. The congratulations of her many friends in the trade are extended to her.

Visitors: Chas. Nall, Dayton; Geo. A. Heinl, Toledo. J. F. S.

New York.

MARKET ENJOYS A LITTLE SPURT OF GOOD BUSINESS.—LILIES AND ROSES WANTED.—DOINGS OF THE VACATION TOURISTS.—VISITORS.

A little spurt of activity in the cut flower community has occurred to break the monotony of midsummer existence for the few who are on duty at the present time. It was only a zephyr, but even the most insignificant movement helps wonderfully these dull weeks. Lilies felt the influence and good roses of several varieties were also the gainers. Most of the stores are nearly deserted. In every place either proprietor or some one of the employes is away on recuperation bent and as soon as one returns another is ready to take his turn.

John I. Raynor and wife are now on the second week of their vacation. Nic. Schriner, of J. K. Allen's, has just returned to work and Mr. and Mrs. Allen have gone to Greenwood Lake and will return in season to let Miss Riley drop her cash book and ledger on August 9 for a season of recreation.

Already the transatlantic tourists are beginning to return. Chas. Loechner is at his post once more at Suzuki & Iida's.

Among recent visitors are J. A. Valentine, Denver, Colo., and Reynold Schiller, of Chicago.

DES MOINES, IA.—Julius Ledig's greenhouses were submerged in ten feet of water during the recent flood and one of the houses is badly wrecked. He is in doubt as to whether he will rebuild at present.

Import Freight Agents Delaware, Lackawanna & Western Railroad Co. at New York, N. Y.

ENERGY. ECONOMY. DISPATCH.

F. B. VANDEGRIFT & CO.,

Publishers of Vandegrift's United States Tariff.

Customs Brokers and Forwarders. Foreign Express, Export and Insurance Brokers.

NEW YORK Office, 66 Beaver Street Telephone, 928 Broad. | A. B. C. Code Used Cable Address, Vanorilt. | CHICAGO Office, 315 Dearborn St. Phone Harrison 840.

Park Architects and Dealers

will find whatever they want in the

Holland Nurseries, DeBilt near Utrecht

HOLLAND.

SPECIALTIES ARE: Conifers, Evergreens, Hardy Shrubs, Lilacs, Ornamental Trees, Fruit Trees in different forms, Azaleas, Rhododendron Ponticum and Hybridum.

Please send list of your wants and write for general catalogue. We will make you special offers. Write to

GROENEWEGEN & ZOON,

De Bilt, near Utrecht, Holland.

B. W. DIRKEN,

Oudenbosch, Holland.

ORNAMENTAL AND FOREST TREES A SPECIALTY.

Conifers, Evergreens, Hollies, Etc.

Prices on Application.

Strawberry Plants.

FROM POTS. Well established young plants of Clyde and Wadfield, (both immense croppers), for planting now and in August. Warranted to produce a full crop of the finest berries next spring. Price 50c per doz.; $3.00 per 100. P. S. 100 planted now will give an ordinary family all they can use.

F. A. BALLER, BLOOMINGTON, ILL.

LAUREL HILL Nurseries, F. BRUNTON Manager.

Importers and growers of Choice Hardy Perennials. Native Trees, Shrubs, Specimen Evergreens. We grow large quantities of Iris, Paeonias, Tritomas, Phlox, Delphiniums; stock is perfectly hardy, true to name. Send for Special Catalogue of New Hardy Alpine Iris, now in the press. STOCKBRIDGE, MASS., U. S. A.

It is not much trouble to mention the AMERICAN FLORIST when corresponding with an advertiser.

REVISED LIST OF

ROSES on HAND

July 22, 1902, at **GEO. A. KUHL'S, Pekin, Ill.** Write him.

	2x2½	2½x3	3x3
METEORS	650	275	
BRIDES	2400	875	
MAIDS	850	150	475
KAISERINS		1000	
PERLES		700	
BEAUTIES	850	1200	
LIBERTY	925		
GOLDEN GATE	600	425	75
LA FRANCE	150		
BELLE SIEBRECHT	180	300	
SOUPERT	50		

Miss Louise Faber

The Longest Stemmed and Most Fragrant Carnation in Existence

Stems measure from 3 feet 6 inches to 4 feet. Flowers are of a beautiful pink, similar to a well colored Bridesmaid rose and average 2½ inches. Continuous bloomer when once started and calyx never bursts. Will be distributed the coming spring. Prices—$2 per 12; $10 per 100; $75 per 1000; $500 per 10,000. Orders booked for Jan. delivery.

FICK & FABER, SAN MATEO, CAL.

SPECIAL ON 3,000

—FINE—

3-in. Meteors

$30.00 per 1000; $3 50 per 100.
All choice, strong plants.

1000 rate given on 250.

W. H. GULLETT & SONS, Lincoln, Ill.

CARNATION Plants.

If you want some first-class field-grown plants, send for quotations to

Michael Winandy, Corner Devon Ave. and N. Robey St., CHICAGO.

ROSES.

Strong and healthy Perles, Brides and Bridesmaids, from 3½-inch pots, $5.00 per 100.

H. E. WILSON, ROCHESTER, N. Y.

VIOLETS

Dorsett's Single from 4 in. pots, $15.00 per 100. Imperial, Marie Louise and Swanley White, from 3-in. pots, first-class stock, at $4 per 100.

ROSES from 4-inch pots, $6.00 per 100. BRIDES, MAIDS and METEORS.

Crabb & Hunter, Grand Rapids, Mich.

SPECIALTIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery,
CHRYSANTHEMUMS,
SMILAX, VIOLETS.

In Best Varieties

Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.

FIELD-GROWN CARNATION Plants.

	Per 100	Per 1000		Per 100	Per 1000
4,000 DAYBREAK	$4.00	$35.00	4,000 G. H. Crane	$5.00	$45.00
4,000 CHAPMAN	4 00	35.00	1,000 MACEO	5.00	45.00
1,000 McGOWAN	4.00	35 00	1,000 ELDORADO	5 00	45.00
4,000 WHITE CLOUD	5.00	45 00	2,000 IRENE	6 00	50.00
4,000 FLORA HILL	5.00	45.00	5,000 Guard'n Angel	6.00	50.00

Plants in good health. Order now and have them reserved for you in the field.

KENNICOTT BROS. CO.

WHOLESALE COMMISSION FLORISTS, 42-44 Randolph St., CHICAGO.

FLORISTS' ROSES

FOR WINTER FORCING.

All our 2½-inch stock has been shifted from 2-inch pots. Our rose plants are all grown for the trade (we do not grow cut flowers), and such plants we claim are well worth more money than ordinary surplus stock:

	2½-in. Per 100	3½-in. Per 100
AMERICAN BEAUTY, 3-in., $8.	$6.00	$12.00
BRIDESMAID	3.50	8.00
GOLDEN GATE	3.50	8.00
KAISERIN	5.00	12 00
METEOR	3 50	8.00
PERLE	4.00	10.00
BRIDE	3.50	8.00
IVORY, White Golden Gate	12.50	20 00

MRS. OLIVER AMES, 4-inch, per doz., $10 00.
BEDDING ROSES in large assortment, strong 2½-inch, per 100, $3 00.

Boston Ferns

BEST STOCK.

2½-in., per 100, $5.00; 5-in., each 50c; 7-in., $1 00.

Asparagus Plumosus, 2-inch pots, per 100, $4.00.
Asparagus Sprengeri, 2-inch pots, per 100, $3.00.
Smilax, per 100, $2 50.
Chrysanthemums, large assortment, $3 per 100.
Fern Balls in leaf, 7 to 9 inches, per doz., $5.00.
Ferns for Fern dishes, best kinds, per 100, $4.00.
Hibiscus Poachblow, 2½-inch pots, per 100, $3.00.
Lemon American Wonder, 2½-inch pots, per 100, $5

Vaughan's Seed Store,

GREENHOUSES: WESTERN SPRINGS, ILL.

84 & 86 Randolph Street, CHICAGO.
14 Barclay Street, NEW YORK.

ROSES FOR WINTER FLOWERING

Fine, healthy stock from selected cuttings.

BRIDES, BON SILENE, MAIDS, MME. HOSTE, KAISERINS, SAFRANO, GOLDEN GATES, PAPA CONTIER,
3-inch pots, $7.00 per 100; 4-inch pots, $10 00 per 100.

SUNRISE, LIBERTY, 3-inch pots, $9.00 per 100.

GRAFTED ROSES, Kaiserin, Golden Gate, 3½-inch pots, $15.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

CARNATIONS WANTED.

To fill orders with, good field plants: 4,000 Lawson, 1,000 Crane, 3,000 Marquis, 2,000 Bradt, 1,000 Queen Louise, 100 Golden Beauty, 4,000 Estelle. Quote us on all or any portion of the above; send a plant as sample.

CHICAGO CARNATION CO., Joliet, Ill.

WE HAVE ABOUT

2000 NICE BEAUTY PLANTS,

2 1-2 and 3-inch ....pots...

Also about 1000 METEORS, 3-inch pots, cheap.

JOHN BURTON, Chestnut Hill, Phila.

American Florist Ads. always do business,
Every day in the week, all over the country,
At Home and Abroad.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 79 Milk St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

Philadelphia Gardeners' Cricket League.

The schedule of the matches of the Gardeners' Cricket League has been arranged. Three teams are in the field, namely, the Ravenhill, Captain John McCleary; Wolruh, Captain J. Thatcher, and the Wootton, Captain Thomas Long. Each team plays two games with each other. The second game of the series between Ravenhill and Wolruh took place on Saturday, July 19, at Ravenhill, Germantown, Pa., and resulted in a victory for Ravenhill by twelve runs. The deficiencies of the Wolruh wicket-keeper were mainly responsible for the defeat, there being no less than nineteen extras recorded. For Ravenhill D. Atkins made the best score of the day, with first-class cricket, and his position behind the stumps was in direct contrast to the Wolruh's, allowing only two extras. The remarkable bowling of Wm. Robertson was the feature of the contest, he taking eight wickets for sixteen runs. For Wolruh the bowling of Blackman and Gardner and the batting and fielding of Roberts were the features. The score follows:

RAVENHILL.

J. McCleary, Jr., c Pollicutt b Blackman	0
P. Bovington c Pollicutt b Blackman	5
M. Neely c Pollicutt b Blackman	1
J. Thompson b Blackman	4
W. Robertson b Gardner	0
W. McCleary b b w b Gardner	0
J. McCleary c Gardner b Blackman	2
D. Atkins c Roberts b Blackman	14
W. Reed b Gardner	1
J. Brooks b Blackman	0
H. Bowman not out	3
C. Devine hit wkt b Blackman	0
Extras	19
Total	49

WOLRUH.

G. Gardner stumped Atkins	1
J. Dodds b Robertson	3
J. Thatcher b Robertson	0
T. Prendergast b Robertson	0
L. Pollicutt b W. McCleary	0
J. Blackman b W. McCleary	7
A. Harding b Robertson	0
F. Canning b Robertson	8
J. Cullen c Bovington b Robertson	0
H. Roberts b Robertson	11
B. Abernethy c Bowman b Robertson	2
T. Kerr not out	3
Extras	2
Total	37

FRANCIS CANNING.

Twin City Florists' Picnic.

Well, the Twin City florists' tenth annual picnic is now a thing of the past. It is the event everybody looks forward to for many weeks beforehand and dreams of the prizes he is going to win.

The morning was perfect and florists and members of their families to the number of nearly 300 turned out to have a good time. It was the Minneapolis florists' turn to select the picnic grounds and act as hosts. They chose Spring Park, at Lake Minnetonka, one of the finest summer resorts in the country.

Through the kindness of all the growers and storemen and some friends outside of the two cities we had some very liberal and attractive prizes for the different sporting events, St. Paul, as usual, winning a majority of the events, chief of which was the base ball game, which they won by a score of nine to four.

In the bowling a St. Paul man carried off first prize, winning a fine, large mantel clock. Then in the tug of war St. Paul won easily, one man remarking that "we hardly had to pull at all." The boat race also went to St. Paul, our friends up the river not getting a place in it, even. Take it all in all, it was a great day for St. Paul. There is great rivalry, though friendly, existing between the two cities and St. Paul can now crow for a whole year at least.

NOTES.

A good bet on the fat men's race next year will be Peter Holm and "Grandpa" Nagel, such sprinters as John Monson, Charlie Vogt and Wessling not having the least show.

St. Paul has won all the base ball games played at the florists' picnics and the prizes, which are florists' knives, keep the boys well supplied in that line.

And St. Paul won the tug of war without "Our Bill" Fleischer. "Bill" forgot to wind his watch the evening before and we couldn't hold the train any longer.

In a little private bowling match Haugen and Krinke, of St. Paul, had nearly as big a score as Swahns, Monson, Rudolph and Wessling put together.

Next year "Cal" Rice will put in Mathewson or Chesbro if he has to pay their expenses himself to pitch in the ball game.

Johnny Freeberg is still pulling at the nursing bottle. He had low score in bowling.

Alfred Clausen, of Albert Lea, came up to help down the Minneapolis boys.

HARTFORD FLORISTS' CLUB OUTING.

(See Meriden, Conn., notes, issue of July 19, page 912.)

At Philadelphia.

A very exciting match was played on the club alleys on July 17, for prizes which were nicely packed away in a wooden box so that they could not be spirited away until the game was over. The two veterans, Harris and Westcott, were elected captains and selected the teams, which were quite evenly matched. With the exception of Moss, who was under the weather and unable to get his stride, the bowling was good. Connor and Mooney tied for first place and a match of five frames was bowled between them, with the result that the high prize was won by Mooney. Each of the winning team and four of the highest men on the losing side were then presented with something in a corrugated pasteboard wrapper and all departed in good spirits. The score follows:

HARRIS' TEAM.

Player	1st	2d	3d	T'l
Harris	160	166	142	468
Moss	137	137	114	388
Mooney	168	167	200	535
Kift	154	162	108	424
Archer	155	168	168	491
Anderson	137	213	117	467
Watson	153	114	140	407
Totals	1064	1127	989	3180

WESTCOTT'S TEAM.

Player	1st	2d	3d	T'l
Westcott	169	153	193	515
Dunham	160	157	169	486
Eimerman	174	156	153	483
Connor	210	153	172	535
Polites	107	142	149	398
Craig	159	133	117	409
Adelberger	158	159	120	437
Totals	1137	1053	1073	3263

K.

Omaha.

HEAVY RAINS AND DULL BUSINESS.—PLANTING AND REPAIRS DELAYED.—DOINGS OF VARIOUS CRAFTS-PEOPLE.—NOTES.

After an extraordinarily wet June, July is affording continued heavy rainfall. Summer dullness has set in. There is very little going on outside of funeral work. The wet season delayed the planting of roses and interfered with repairs and the construction of new greenhouses.

L. Lecluse has sold out his stock at the old B. Haas place and Mr. Floth has bought the greenhouses, which he intends tearing down and re-erecting on his own grounds.

L. Zadina's greenhouses at South Omaha suffered very much by the heavy rains. Mr. Zadina is a young beginner and is set back a year as the result.

Mrs. S. B. Stewart is back from her Colorado outing and Mr. Stewart went on his much needed vacation to Lake Okoboji, Iowa.

There is very little enthusiasm felt among the florists in this part of the country in regard to the S. A. F. convention this year. GRIPPE.

Clean, Strong Stock

READY NOW FOR SHIPMENT.

LATANIA BORBONICA, 4-inch, $20.00 per 100.
" " 5-inch, $30.00 per 100.
KENTIA FORSTERIANA, 5-inch, $75.00 per 100.
" " 6-inch, $100.00 per 100.
POINSETTIAS, 2½-inch, $6.00 per 100.
BEGONIA REX, 12 varieties, named, 3-in., $7 per 100.
" **FLOWERING**, 2½-inch, $5.00 per 100.
SMILAX, 2-inch, $2.00 per 100.
FUCHSIAS, no rust, 10 var., stock, 3-in., $6 per 100.
Long stemmed **For-Get-Me-Not**, 3-inch, $6 per 100.
BRIDES, MAIDS and **PERLES** fine stock, 2½inch, $3.00 per 100.
CYPERUS, 4-inch, $10.00 per 100.

REMIT WITH ORDER

C. H. FREY, LINCOLN, NEB.

Primroses

	Per 100
CHINESE, single mixed, fine	$2.00
FORBESI, "Baby"	2.00
OBCONICA Grandiflora, ready Aug. 10	2.00
Asparagus PLUMOSUS, 2-in. pot	3.50
Asparagus SPRENGERI, Aug. 20	2.00

CARNATIONS, 500 each F. Hill, E. Crocker and 50 G. Angel, field-grown 4.00
PANSY SEED, ready in Aug., oz., $4.00.

CASH OR C. O. D.

JOS. H. CUNNINGHAM, Delaware, O.

A FEW GOOD THINGS YOU WANT.

KENTIA Belmoreana and Forsteriana, also Areca Lutescens, 3 plants in a pot, extra clean and well grown plants, 2½, 3, 4 and 5-in., $8, $15, $30, $50, $75, $100 to $125 per 100.

REX BEGONIA, 2 and 3-inch, $4 and $6 per 100.

BOSTON FERN, $4, $8, $15 and $30 per 100 for 2, 3, 4 and 5-inch.

FERN, Cordata Compacta, 2 and 3-inch, $4 and $10 per 100.

ASPARAGUS Plumosus, 2-inch, $5; 3-inch, $8. Sprengeri, 2-inch $3; 3 inch, $5, per 100.

DRACAENA INDIVISA, 3, 4 and 5-inch, $6, $10, $25 per 100.

ENGLISH IVY, 2 and 3-inch, $3 and $6 per 100.

A full line of the best bedding **GERANIUMS** for stocking up, 2-inch, $3; 3-inch, $5 per 100.

SMILAX, Vinca Var., Campbell Violets, Lobelia, Coleus, Alternanthera, Ageratum, Scarlet Sage, Lemon Verbena, Giant Alyssum, 2-inch, $2; 3-inch, $4 per 100.

Let me price your wants. Cash or C. O. D.

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

Chrysanthemum...

TIMOTHY EATON, well-rooted cuttings, $2.25 per 100. Sample 25 for 50 cts., express prepaid: Plants, $3.00 per 100, express not prepaid. All healthy and strong.

Geraniums...

1,500 S. A. Nutt, 500 La Favorite, from 2½ and 2-inch pots, mostly 2½-inch, large per cent in bloom or bud, ready shift, $1.50 per 100; $14.00 per 1000.

Unrooted cuttings of S. A. Nutt, 70 cents per 100; $6.00 per 1000. Cash with order.

DES MOINES PLANT CO.,

38th St., Des Moines, Iowa.

PAEONIAS FOR FALL...

10 distinct, best kinds, $10.00 per 100.

Poets Narcissus, dbl. & sgl., home grown, $5 a 1000.
Clematis, large flowering, $2.50 per doz.; $16 per 100.
SMILAX A few hundred fine heavy plants, one year, $3 per 100.

F. A. BALLER, Bloomington, Ill.

BEGONIA GLOIRE DE LORRAINE,

2¼-inch pots, $15.00 per 100.

Write for prices on large lots. Stock guaranteed absolutely free from disease.

THOMAS ROLAND, Nahant, Mass.

The Storrs & Harrison Co.

PAINESVILLE, OHIO.

PALMS.

KENTIA BELMOREANA, 2½-inch pots, $8.00 per 100.
" " 3-inch pots, $15.00 per 100.
" " 24 to 28 in., fine bushy plants, $1.25 each; $15.00 per doz.
" " 30 to 32 in., perfect condition, $1.75 each; $20.00 per doz.
ARECA LUTESCENS, 3-inch pots, (3 plants in pot), $12.00 per 100.
" " 6-inch pots, (3 plants in pot), 24 inches high, $70.00 per 100.

FERNS from 2¼-inch pots.

PTERIS TREMULA, a large stock of this in excellent shape, short stocky plants ready for shift. Always in good demand from any size pots, $2.50 per 100.
PTERIS Adiantoides, Pteris Cretica Albo-Lineata, Pteris Alexandræ, Pteris Ouvraidi, Pteris Serrulata, each, $2.50 per 100.
ONYCHIUM JAPONICUM, $3.00 per 100.
ADIANTUM PUBESCENS, $3.00 per 100.
Good assortment of **FERNS**, our selection of varieties, $20.00 per 1000.

ASPARAGUS.

PLUMOSUS, 2½-inch pots, $4.00 per 100; 3-inch pots, $6.00 per 100.
SPRENGERI, 2-inch pots, $2.50 per 100; 2½-inch pots, $3.00 per 100.
DRACÆNA GODSEFFIANA, 3-inch pots, $1.50 per dozen.
MARANTA MASSANGEANA, 2½-inch pots, $3.00 per 100.

CHRYSANTHEMUMS.

Nice young stock from 2-inch pots,

$2.50 PER 100.

Mrs. J. Jones, Alice Byron, Glory of Pacific, Col. D. Appleton, Mrs. H. Robinson, Yel. Fitzwygram, Yellow Jones, Modesto, Pres. Smith, Lavender Queen, Viviand-Morel, Nagoya, Marion Henderson, Yanariva, Geo. S. Kalb, Mrs. E. D. Smith, Mrs. S. T. Murdock, Xeno, And many Other Standard Varieties.

NATHAN SMITH & SON, Adrian, Mich.

GERANIUMS

The following strictly high grade varieties, true to name all from 2½-inch pots: **JEAN VIAUD**, (the pink novelty) $3.00 per 100; **DUTCHESS OF ORLEANS**, (the variegated wonder), $3.00 per 100. S. A. Nutt, Beaute Poitevine, Francis Perkins, E. G. Hill, Mme. Bruant, Mme. Jaulin, Athlete, L. P. Morton, Thos. Meehan, Kelway and others, $2.00 per 100; $18.00 per 1000.

SMILAX.

We are headquarters for smilax and can supply any quantity. Fine plants from 2½-inch pots, ready for planting $1.25 per 100; $10.00 per 1000.

The W. T. Buckley Plant Co., Springfield, Ill.

Carnations, Geraniums Cannas, Etc.

Prices quoted upon application.

The Cottage Gardens, Queens, L. I.

HERRON....

Carnation Grower,

OLEAN, N. Y.

SMILAX 2-inch, $1.00 per 100.
ROSES Brides and Maids, 2-inch, $2.00 per 100; $18.00 per 1000.

McALLISTER & COMPANY, Batavia, Ill.

'Mums

We can still furnish the following varieties from 2½-inch pots. Thrifty young plants, well established, ready for immediate shipment. Our selection of standard varieties, early, midseason and late, $20.00 per 100; $12.00 per 500. Reduction from list on large orders.

WHITE.	Per 100	WHITE.	Per 100
T. Eaton	$4.00	Geo. S. Kalb	$2.50
Ivory	3.00	M. Monarch	2.50
Willowbrook	3.00	Mrs. J. Jones	3.00
Nellie Pockett	4.00	Queen	3.00
Polly Rose	3.00	Mrs. H. Weeks	3.00
Niveus	3.00	Wm. H. Chadwick	4.00
Mayflower	3.00	Mlle. Lucie Faure	3.00

YELLOW.	Per 100	PINK.	Per 100
Col. D. Appleton	$1.00	Orizaba	$6.00
Philadelphia	5.00	Mary Hill	4.00
Robt. Halliday	3.00	Lady Playfair	2.50
Golden Wedding	4.00	Xeno	3.00
R. H. Pearson	6.00	Maud Dean	4.00
Yellow Mayflower	3.00	Yanariva	6.00
Mrs. E. D. Smith	4.00	V.-Morel	4.00
October Sunshine	3.00	Adele	3.00
Mrs. J. Whilldin	2.50	Lady Harriett	4.00
Liberty	4.00	J. K. Shaw	3.00
Eclipse	4.00	Glory of Pacific	3.00
Modesto	3.00	**Red and Bronze.**	
E. Dailledouze	3.00	G. W. Childs	4.00
H. A. Parr	2.50	Intensity	4.00
Major Bonnaffon	3.00	John Pockett	6.00
Nagoya	3.00	Lady Anglesly	4.00

H. WEBER & SONS, Oakland, Md.

100,000 ASTER PLANTS

Semple's and Queen of the Market. New lot ready now, grown from the finest seed, at $1.00 per 500; $1.50 per 1000; 10,000 for $12.50.

J. C. Schmidt, Bristol, Pa.

BARGAINS

in Chrysanthemums and Fuchsias, named varieties, at $2.50 per 100.

Allamanda Williamsii	$4.00 per 100
Acalypha Sanderii	3.00 per 100
Russelia Elegantissima	3.00 per 100
Vinca Variegata	4.00 per 100

All good 2½-inch plants.

The Conard & Jones Co, West Grove, Pa.

Please mention the American Florist when writing.

'Dryden'

Geranium, the finest of all bedders, 3½-in. pots, $6.00 per 100; 2½-in., $4.00 per 100. Cash please.

HENRY EICHHOLZ, Waynesboro, Pa.

Please mention the American Florist when writing.

Pittsburg.

BUSINESS GOES ALONG QUIETLY.—NO ACTIVITY OUTSIDE OF FUNERAL WORK.—DEATH OF A FORMER MEMBER OF THE CRAFT.—GROWERS INCREASING THEIR FACILITIES.—VARIOUS NOTES OF LOCAL INTEREST.

News has been received from Germany announcing the death of Benjamin Kissling, who conducted a store on Federal street, Allegheny, for Charles Siebert, several years ago and later purchased some houses in McKees Rocks and operated them successfully until his health failed. He then sold his plant and went to Germany to try and recover his health. He possessed a happy disposition that made him a host of friends who will regret to hear of his death.

There has been no marked change in the condition of business for this week. In fact the same dormant condition prevails as during the first three weeks of this month. Any display of activity during this period is generally chargeable to funeral work. Few florists have started on their vacations as yet, but the months of August and the early part of September will be utilized for this purpose.

Blind Bros., of West View, are making extensive improvements to their plant. They are adding 10,000 feet of glass and are equipping the plant with a new steam heating apparatus in a new boiler house 40x50 feet. The two new boilers are 150 horse-power each. The capacity of the coal bunkers will be 10,000 bushels of soft coal.

Stock is in about the regular summer supply. The retailers carry very little of it and these are the days when the wholesale houses must assume most of the responsibility. Carnations are poor, while roses are somewhat improved. Asters are fine and plentiful. Gladioli are fair, as are sweet peas and lily of the valley.

T. Langhans, of the Pittsburg Cut Flower Company, has gone with his family to Bemus Point. He expects to be away for three or four weeks.

The Oakwood Rose Gardens, of Oil City, Pa., continue to supply Pittsburg daily with a large quantity of roses.

E. L. M.

UNIONVILLE, PA.—On July 14 Joseph Renard died from poison administered by his own hand. It is supposed that domestic troubles had unsettled his mind.

SMILAX

2-inch, strong, 75c per 100.

SPRENGERI, 2-inch, strong, $1.50 per 100. 2½-inch, strong, $2.00 per 100.

M. J. COVENTRY, Fort Scott, Kan.

Burbank's Shasta Daisy

Plants, 25c each, $2.50 per doz.; $15.00 per 100. Seed, 50c per 100, prepaid.

CALIFORNIA CARNATION CO.
LOOMIS, CAL.

ROBT. CRAIG & SON,
Roses, Palms
and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa.

Lilium Harrisii

READY JULY 28.

Packed by our own growers. One third delivered last week. Healthy looking bulbs.

FREESIAS (French) and
ROMAN HYACINTHS

Are due this week.

"All Florists' Bulbs in Season."

VAUGHAN'S SEED STORE
14 Barclay Street, New York.
84-86 Randolph St., Chicago.

Rose Plants.

BRIDE 3 inch, $5.00 per 100; $40.00 per 1000.
BRIDESMAID 3½-inch, $3.00 per 100; $50.00 per 1000. 3 in., $5 per 100; $40 per 1000. 3½-in., $6 per 100; $50 per 1000.
Repotted three times. Elegant stock. 250 at 1000 rate. Unknown parties cash with order.

BRANT & NOE, FOREST GLEN, CHICAGO.

FIELD-GROWN
Carnation Plants
of the following varieties:
ETHEL CROCKER, G. H. CRANE,
FLORA HILL, FRANCES JOOST.
Send for samples amd prices; ready for planting.

JOHN WOLF, Savannah, Ga.

All The Best CARNATIONS

Orders booked now for fall delivery.
SEND FOR PRICES.
Rotted cuttings and young plants all out.

GEO. HANCOCK & SON,
GRAND HAVEN, MICH.

Orders booked now—delivery in September—for my Nephrolepis Fern

"ANNA FOSTER"

Small plants, $25.00 per 100; larger plants prices on application.

L. H. FOSTER, 45 King St., Dorchester, Mass.

Latania Borbonica

For growing on, fine plants, 3-inch pots, $6.00 a hundred.

J. B. HEISS, The Exotic Nurseries,
DAYTON, OHIO.

Vegetable Plants.

CABBAGE Danish Ballhead, $1.00 per 1000.
CELERY, White Plume and Giant Pascal, $1.20 per 1000.
Transplanted Celery, $2.00 per 1000.
Cash. Sample mailed for 5c.

LUDWIG MOSBAEK, 85th St. near So. Chicago Ave., Chicago, Ill.

WANTED TO EXCHANGE.

We want a good second hand Hot Water Boiler, capable of heating 2,000 feet of 4-inch pipe and wish to exchange field-grown Carnations, ready Aug. 1 and later—Mrs. T. W. Lawson, G. Lord, E. Crocker, Daybreak, Wm. Scott, Jubilee, Flora Hill. For cash or exchange. A No. 1 stock in every way. S. T. DANLEY, MACOMB, ILL.

Roses.

3,000 Maids in 3-in. pots at $3.50 per 100; $30.00 per 1000. Good Strong, Healthy Plants.

500 Adiantum Cuneatum

in 6-in. pots at $25.00 per 100.

The F. R. Williams Co.
CLEVELAND, OHIO.

Please mention the American Florist when writing.

FUMIGATION METHODS
By PROF. W. G. JOHNSON
Formerly State Entomologist of Maryland

A Practical Treatise and timely work on cheap and effective means of destroying insect pests and other vermin in various places. This work is the outcome of practical tests made by the author, together with the experiences of others, and is one of the most important books published this season and is much needed at this time. It will be of particular interest to

FRUIT GROWERS AND NURSERYMEN owing to the widespread prevalence of the notorious San Jose scale. Hydrocyanic acid gas is the only practical remedy for the destruction of this pest and is being used more extensively than ever before by nurserymen and fruit growers. The perfection of the apparatus for fumigating young orchard trees is outlined in this work. The methods can be easily applied in orchards and nurseries for many dangerous pests at very small cost. The writer is considered the best authority on this subject in this country and has left nothing undone to make this the most complete work of the kind ever published.

GARDENERS AND FLORISTS have found that vegetables and flowers cannot be grown under glass without frequent fumigation for the destruction of insect pests. Hydrocyanic acid gas has solved this problem. The methods of procedure are fully described and every detail is given for generating and applying the gas.

MILLERS AND GRAIN DEALERS have been looking forward to the publication of this work, as hydrocyanic acid gas has been found one of the most important materials for clearing mills and warehouses of insects. The subject of carbon bisulphide for fumigating mills and elevators containing grain in storage is also thoroughly considered. To this trade the work is indispensable and transportation companies have found it of great value for the fumigation of cars, ships and other inclosures infested with vermin.

FARMERS OF THE COUNTRY have here fully described a simple, easy remedy for gophers, prairie dogs, squirrels and other animals in the ground, and rats and mice in any inclosure.

COLLEGE AND STATION WORKERS will find it an up-to-date reference work on this subject. It is complete in every respect and is the only work of the kind ever published. It is written in a popular non-technical style, profusely illustrated, handsomely bound, covering 250 pages, price, postpaid, $1.00.

AMERICAN FLORIST CO.
324 Dearborn St. CHICAGO, ILL.

Directory for 1902.

Price $2.00 Postpaid.

THE AMERICAN FLORIST COMpany's Trade Directory for 1902, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 418 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Private Gardeners, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information. Published by the

American Florist Co.

324 Dearborn St., Chicago, Ill., U. S. A.

Contains 418 Pages.

Directory for 1902.

Worcester, Mass.

TRADE DOWN TO THE USUAL MIDSUMMER LEVEL.—PLENTY OF STOCK FOR ALL ORDERS BUT LITTLE OVERSUPPLY.—GROWERS GETTING READY FOR ANOTHER GOOD SEASON.—VARIOUS LOCAL NOTES.

Business has finally reached the usual July stage and, in the words of Mr. Dooley, there is "nothin' doin'." Flowers are very good in quality, owing partly to the unusually cool summer, and the daily supply is fully equal to the demand, which is mostly confined to funeral work. Carnations have held out splendidly and we are now getting a few from outside which were planted early for summer blooming. In roses we are receiving good Carnot, Kaiserin and Marquise Litta, although it has been a difficult task to keep them from mildew, caused by the cold, damp nights. Of sweet peas, achillea, hollyhocks, coreopsis and other outside flowers there is a sufficiency but not a great surplus.

Carnations in the field are strong and stocky and not at all soft, as we have had good growing weather and not the excessive rains reported from other sections of the country. Lawson is especially strong and large enough to house.

Building and repairing is in full swing. Littlefield's two houses are nearly completed and will be planted with carnations. Lange is making extensive repairs, replacing all his wooden sides with cement walls.

The Crimson Rambler roses have been unusually beautiful this season and the number seen throughout the suburbs bear witness to the quantities sold last spring.

Indoor planting is finished at nearly all the different establishments and roses, chrysanthemums and violets are looking very promising.

Wm. Braun, who leased the Gormley place about a year ago, has gone out of business and is now with Green, of Spencer.

The weekly exhibitions of the Horticultural Society have been unusually fine and well patronized.

Carl C. Lange is renewing old acquaintances in Boston, Providence and adjoining towns. A. H. L.

CYCLAMEN

Persicum Splendens Giganteum.

Finest strain in the world, in four true colors, well-grown plants, from 2½-in. pots, $1.00 per 100; $35.00 per 1000. Extra selected, $5.00 per 100; $40.00 per 1000. From 3-inch pots, $7.00 per 100; $65.00 per 1000.

PAUL MADER, East Stroudsburg, Pa.

Please mention the American Florist when writing.

S. S. SKIDELSKY,

708 N. 16th Street,

PHILADELPHIA, PA.

CORRESPONDENCE SOLICITED.

Please mention the American Florist when writing.

BEST AND Cheapest ALL-ROUND INSECTICIDE on the Market.

"ROSE LEAF" EXTRACT OF TOBACCO INSECTICIDE

For Sale by Seedsmen. For Free Pamphlet Write to The Kentucky Tobacco Product Co., Louisville, Ky.

ARECA LUTESCENS, per doz.—2½-inch, 75c; 3 $1; 3½, $2; 4, $3.
KENTIA BELMOREANA, doz.—2½-in., $1.50; 3, $2; 3½, $3; 4, $3 60.
KENTIA FORSTERIANA, per doz.—2½-in., $1.50; 3-in., $2; 3½-in., $3; 4-in., $4.
LATANIA BORBONICA, per doz.—2½-in., 60c; 3-in., $1; 6-in., $7.20; 7 in., $10; 8-in., strong, $18.
PANDANUS VEITCHII, per doz.—5-in., $12; 6-in., $18; 7, $30; 8, $42.
NEPHROLEPIS BOSTONIENSIS, per 100—3-in., $8.00. Per doz.—5-in., $3; 7-in., $9; 8-in., $12; 9-in., $18; 10-in., $24
ASPARAGUS PLUMOSUS NANUS, 2-in., $4 per 100; 3 in., $8 per 100.
ASPARAGUS SPRENGERI, per 100—2-in., $3; 3-in., $8; 4-in., $12; 5-in., $15.
ARAUCARIA EXCELSA, 4-in., $3 per doz.
FERNS FOR DISHES, Etc., $3 per 100.
FERN BALLS, well furnished with leaves, $3 to $5 per doz.

The GEO. WITTBOLD CO.

1657 Buckingham Pl., Chicago.

B. & A. SPECIALTIES

ENGLISH MANETTI.....$12.00 per 1000
FRENCH MANETTI.....$10.00 per 1000

ASK FOR FALL CATALOGUE NOW READY.

BOBBINK & ATKINS, Rutherford, N. J.

WITTBOLDII FERNS

2½-in., $5.00; 3-in., $8 00; 5-in., $15.00.

Bench plants all sold.

25 FINE RUBBERS

3 feet to 4 feet, $1.00 each or the lot for $20.

CASH PLEASE.

A. J. BALDWIN, NEWARK, O.

Orchids!

Arrived in fine condition: Cattleya labiata, C. Skinneri, C. Dowiana, Oncidium varicosum Rogersii and Peristeria elata; also a fine lot of Anthurium Scherzerianum. Write for our illustrated, descriptive catalogue of orchids. Special list of freshly imported unestablished Orchids, just ready. Write for a copy.

LAGER & HURRELL, SUMMIT, N. J.

Orchid Growers and Importers.

'MUMS! ROSES! SPECIAL!

Col. Appleton, 2½-inch, $20.00 per 1000; rooted cutting, $15.00 per 1000. Maj. Bonnaffon, 2½-in., $18.00 per 1000; rooted cuttings, $11.00 per 1000. Our selection in proper proportion of color, 2½-inch, $20 per 1000; rooted cuttings, $12.00 per 1000.

100,000 2½ and 3-inch Maids, Brides, Gates and Meteors. 25,000 2½-inch Stevia and rooted cuttings, $20 and $12 per 1000.

Printed price list furnished on application.

Poehlmann Bros. Co., Morton Grove and Chicago, Ill.

BEGONIA GLOIRE DE LORRAINE,

Begonia Light Pink Lorraine,

For July and Later Delivery, $15.00 per 100; $140.00 per 1000.

Edwin Lonsdale, Wyndmoor, near Chestnut Hill, Pa.

Watch This Space

FOR FUTURE BARGAINS.

JOHN BROD,

349 West North Avenue, CHICAGO, ILL.

Greenhouses, Niles Center, Ill.

Please mention the American Florist when writing.

Araucaria Excelsa.

We control the American market of this splendid pot plant. Our houses are now full of them. May importation per steamers Nederland, Penland and Kensington. We sell plants raised from top cuttings only (no seedlings), at the lowest cash prices, as follows: Each

5 to 5½ inch pots, 3 tiers, 10 in. and above, 50c
5½-inch pots, 3 tiers, 12 in. and above, 60c to 75c
6-inch pots, 4 tiers, 15 to 18 inches and above.....75c to $1.00
KENTIA FORSTERIANA, 25 to 28 inches high, 5 leaves, 5½-inch pots..... 75c
KENTIA BELMOREANA, 20 inches and over, 5 leaves, 5½-inch pots..... 75c
FICUS ELASTICA, 4 inches..... 20c to 25c
BEGONIA, tuberous rooted 5-in. pots, $1.80 per doz.
ASPARAGUS PLUMOSUS (only 300 plants in all), fine, large bushes, just beautiful, 2 years old, from 20 to 25 sprays, out of 5½ to 6-inch pots, 20 cents.

Cash with order, please. ☞Mention if pots are wanted.

GODFREY ASCHMANN,

WHOLESALE GROWER AND IMPORTER OF POT PLANTS,

1012 Ontario Street, PHILADELPHIA, PA.

Asparagus

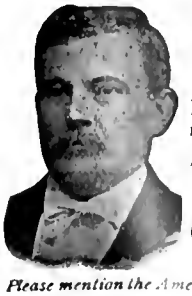
PLUMOSUS NANUS....

From flats, $2.50 per 100; $20.00 per 1000. 2-inch pots, $4.00 per 100. 25 at 100 rates; 250 at 1000 rates, prepaid. CASH.

LOOMIS FLORAL CO.

LOOMIS, CAL.

Please mention the American Florist when writing.



SMILAX

Fine, large, strong plants, ready to run, $1.50 per 100; $13.00 per 1000. They will please you.

THAT CASH, PLEASE.

C. HUMFELD,

CLAY CENTER, KAN.

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TIN FOIL

Plain, Fancy, Printed & Mounted,

Manufactured by

The Conley Foil Co.

521 to 541 West 25th St.,
NEW YORK.

NIKOTEEN

IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

DOES NOT INJURE THE MOST SENSITIVE PLANTS - ENDORSED BY PROMINENT FLORISTS - USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT - 200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN ---- CIRCULAR FREE -
SKABCURA DIP CO. CHICAGO.

Kill AND SAVE the THE BLOOMS Bugs!
QUICKLY DOES IT.

LEADING
Florists' Supply House
M. RICE & CO.

Importers and Manufacturers,
918 Filbert Street, PHILADELPHIA, PA.
Catalogue for the asking.

Adjustable Plant Stands

THE BEST ON THE MARKET.
1 Stand $1.50; 3 Stands $4.00; 6 Stands $7.50; 12 Stands $14.00.
YOU NEED THEM IN YOUR BUSINESS.
C. B. WHITNALL, MILWAUKEE, WIS.

BAMBOO PLANT STAKES

For Chrysanthemums, etc., strong, ⅜ to ½-inch, 4 to 6 feet, per 400, $2 50; per 1200, $6.00. Cash with order.

C. H. JOOSTEN, Importer,
178 Chambers St., NEW YORK.

Sigmund Geller

Importer and Manufacturer of
FLORISTS' SUPPLIES

Complete Stock—New Goods—New Illustrated Catalogue Now Ready. Send for it.
108 W. 28th St., near 6th Ave., NEW YORK.

WE NOW OFFER
"Chemicals"
for making LIQUID COMPOST.

Dry powders all soluble in water. Composts cost less than ½0 per gal. Correspondence invited.
EASTERN CHEMICAL COMPANY,
620 Atlantic Ave., Boston.

American Florists Ads

Always do business,
Week days and every day
Sundays and holidays,
All over the country,
At home and abroad.

AWARDED THE ONLY FIRST CLASS CERTIFICATE OF MERIT BY THE SOCIETY OF AMERICAN FLORISTS AT BOSTON MASS AUG 21ST 1890 FOR STANDARD FLOWER POTS.

Traveling Representative,
U. CUTLER RYERSON,
108 Third Ave., NEWARK, N. J.

"BLACK DEATH" (POWDER) TO EAT THEREOF IS TO DIE.

BUG KILLER and FERTILIZER. Three years of unprecedented success wherever introduced all over the United States has proved "BLACK DEATH" to be a cheap and absolute annihilator of all insects, bugs or beetles that prey on vegetation, foliage and flowers. See what Peter Reinberg said in this paper, Feb. 8. Other strong indorsements sent on receipt of postal card.
Western Sales Agency, 235 Franklin St., Chicago.
HANDLED BY SEEDSMEN. S. D. STRYKER, Agent.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in., in crate,	$4.88	120 7-in., in crate,	$4.20
1500 2¼ "	5.25	60 8 "	3.60
1500 2½ "	6.00	HAND MADE.	
1000 3 "	5.00	48 9-in., in crate,	$3.60
800 3½ "	5.80	48 10 "	4.80
500 4 "	4.50	24 11 "	3.60
320 5 "	4.51	24 12 "	4.80
144 6 "	3.16	12 14 "	4 80
		6 16 "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address
HILFINGER BROS. POTTERY, Fort Edward N. Y.
Or AUGUST ROLKER & SONS, New York Agents,
31 Barclay Street, New York City.

Invalid Appliance Co.,
MANUFACTURERS OF
COLUMBIA PLANT TUBS
(PATENTED.)
"The kind that never fall apart."
If your seedsman doesn't handle them, order of us direct.
FACTORY AND OFFICE:
160-160 VEDDER ST., - CHICAGO.
TELEPHONE NORTH 955.

KELLER BROS.

213-15-17-19-21-23 Pearl St.,
NORRISTOWN, PA.

Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.

RED POTS

SAMPLE POT AND PRICE LIST ON APPLICATION.
C. C. POLLWORTH CO., MILWAUKEE, WIS.....

THOSE RED POTS

"STANDARDS"
FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y,
HARRY BALSLEY, Rep. DETROIT, MICH., 490 Howard St.

HAIL!

FOR INSURANCE AGAINST DAMAGE BY HAIL, Address
John G. Esler, Sec'y F. H. A.
SADDLE RIVER, N. J.

Standard Flower... POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.....
W. H. ERNEST,
28th and M Streets. WASHINGTON, D. C.

GEO. KELLER & SON,
MANUFACTURERS OF
FLOWER POTS.

Before buying write for prices.
361-363 Herndon Street,
near Wrightwood Ave.,
CHICAGO, ILL.

Please mention the American Florist when writing.

FLOWER POTS

ALL KINDS.
STANDARD POTS A SPECIALTY
List and SAMPLES FREE.
SWAHN'S POTTERY MF'G CO.,
P. O. Box 78. MINNEAPOLIS, MINN.

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WRITE

A. F. KOHR, 1521-23 N. LEAVITT ST., CHICAGO, ILL.,
FOR PRICES OF
Standard Pots

which for strength and porosity combined are the best on the market.

Please mention the American Florist when writing.

Minneapolis.

BUSINESS FALLS AWAY.—NOT MUCH STOCK IN SIGHT.—SWEET PEAS ABUNDANT AND SELLING CHEAPLY. — VARIOUS TRADE NOTES.

Trade conditions remain about the same, although a little decline has been noticed the past week. Stock is in limited quantities, so that the dealers do not get discouraged by an oversupply. Sweet peas are in abundance and are being sold as low as 80 cents and $1 per thousand. The stock is fine and it seems like giving goods away. The weather has been most unfavorable for the growers, it being rainy, dark and cold, with some very threatening storms.

Chrysanthemums are all benched and in prime shape. There will be about the usual varieties grown again this year, excepting a few fancy sorts being discarded.

Asters are appearing in market but the stems are rather short. A few gladioli are in. C. F. R.

Buffalo.

CLUB WILL PICNIC AT THE HEAD OF GRAND ISLAND.—ESSAYS TO BE A FEATURE OF WINTER MEETINGS. — TRADE DULL.—VOYAGERS REACH SOUTHAMPTON SAFELY.

Active preparations are being made for our annual outing. At the meeting July 22 the committee reported having selected the beautiful Bedell House, at the head of Grand Island, where Scott, Tronp and McClure made their reputations as runners, as the place for the event. President Braik appointed Wm. Scott, C. H. Keitsch and Wm. Legg as a committee to secure essayists for the winter meetings.

A cablegram received from W. F. Kasting says that he and J. B. Wiese arrived at Southampton after a pleasant voyage.

Continued rainy weather has made trade dull and flowers poor and scarce.

Visitors: Mr. McRorie, South Orange, N. J; W. J. Boas, Philadelphia.

BISON.

The Standard

The lightest running, most rapid and powerful ventilating machinery in the market.

Duplex Gutters,

Made of wrought or cast iron with self adjusting sash bar clips. The only Drip Proof Metal Gutter offered to the Public. Send for my catalogue free.

E. Hippard, Youngstown, O.

Excursions

TO ATLANTIC CITY. NEW YORK CITY AND MONTREAL VIA THE WABASH R. R.

Advertised for July 31, August 7 and 14, have been abandoned.

LUMBER AT HALF PRICES.

WE PURCHASED THE PAN AMERICAN EXPOSITION

SEND US YOUR LUMBER BILL FOR OUR ESTIMATE.

Pipe, Machinery and Building Supplies in General.

FREE CATALOGUES ON APPLICATION.

CHICAGO HOUSE WRECKING CO.,

PAN-AMERICAN, DEPARTMENT BUFFALO, NEW YORK.

New Twin Section Boiler.

Clear Gulf CYPRESS GREENHOUSE MATERIAL.

Glass AND Boilers

S. JACOBS & SONS, 1365 to 1373 Flushing Ave., BROOKLYN, N. Y.

Estimates furnished for Erecting.

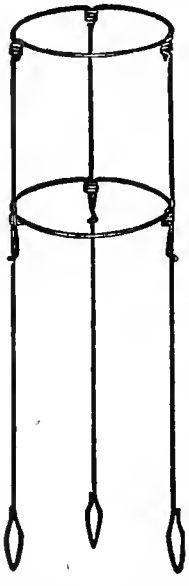
Send 4 cts. for Boiler Catalogue.

GET OUR PRICES BEFORE ORDERING.

NOTICE.

THE MODEL PLANT STAKE COMPANY, formerly of Brooklyn N. Y., has removed to 208 Jersey St., Harrison, New Jersey, and is now The Parker-Bruen Mfg. Co.

The Model Extension Carnation Support.



Flushing, Long Island, Dec 11th, 1901.

MR. THERON N. PARKER, Brooklyn, N. Y.

Dear Sir — I have used your Wire Carnation Support the last two years, in all about 12,000. They fill the bill in every particular. Nothing could be more satisfactory and would give me a great deal of pleasure if I can bespeak a good word for you to the trade and you are at liberty to refer to me at any time. Very truly,

A. L. THORNE.

La Fayette, Ind., July 8th, 1902.

MR. THERON N. PARKER, Harrison, N. J.

Dear Sir: — After using your Model Carnation Support in two of our houses the past winter, we have come to the conclusion that it is perfectly adapted to supporting carnations, and shall use them on all our plants the coming season.

We were much pleased with the simplicity, strength and neat appearance of the support.

Yours truly,

F. DORNER & SONS CO.

Write for Circular and Price List.

CALVANIZED STEEL ROSE STAKES.

The Parker-Bruen Mfg. Co.

208 Jersey St., Harrison, N. J.

Second HAND BOILERS and Pipe.

3 No. 16 Hitchings Boilers in good order, with New Grates and Fire Bricks. Also 4,000 feet 4-in. cast iron extra heavy pipe, 9 feet lengths, ells, tees and Expansion Tanks.

Cheap for Cash.

W. A. Hammond

107 E. Broad St., Richmond, Va.

Please mention the American Florist when writing.

WILKS Hot Water Heaters.

Best made for Greenhouses. SELF-FEEDING MAGAZINE. All Steel. Simple, strong, durable. Send for Catalog, etc.

S. Wilks Manfg. Co., 53 to 55 S. Clinton St., CHICAGO.

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WHEN YOU WANT

GREENHOUSE MATERIAL

IT COSTS YOU NOTHING TO GET OUR

SKETCHES, ESTIMATES AND CATALOGUE

WE USE ONLY THE VERY BEST GRADE

LOUISIANA RED CYPRESS

AIR DRIED AND FREE FROM SAP

FOLEY MFG. CO.

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EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS

WRITE FOR ILLUSTRATED CATALOGUE

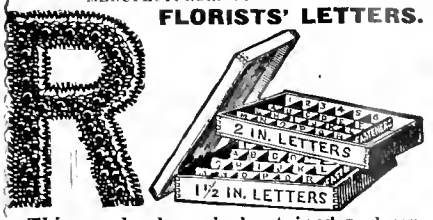
QUAKER CITY MACHINE WORKS, RICHMOND, IND.

American Florist Ads

Always do business, week days and every day, Sundays and holidays, all over the country, at home and abroad.

Boston Florist Letter Co.

MANUFACTURERS OF
FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1½ or 2-inch size, per 100, $2.00.
Script Letters, $4. Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager,
84 Hawley St., BOSTON, MASS.
Please mention the American Florist when writing.

There's Business All Summer

If you will only work it up. Don't let your stock run down. Be sure to have everything on hand that a customer may call for. You will find every requisite listed and priced within the covers of our new Illustrated Catalogue. Free to Applicants in the trade only.

H. BAYERSDORFER & CO.,
Manufacturers and Importers,
50-56 N. Fourth St., Phila., Pa.

CUT FLOWER BOXES

WATERPROOF. Corner Lock Style.
The best, strongest and neatest folding cut flower box ever made. Cheap, durable, handy. To try them once is to use them always.

DON'T USE OLD STORE BOXES.
If you have any doubt, send for samples, which speak for themselves.

Size No. 1.	3x4½x16..	$1.75 per 100;	$15.00 per 1000
" No. 2.	3x6x18....	2.00 "	18.00 "
" No. 3.	4x8x18....	2.40 "	22.00 "
" No. 4.	3x6x20....	2.75 "	25.00 "
" No. 5.	4x8x22....	3.00 "	28.00 "
" No. 6.	4x8x28....	3.75 "	35.00 "

THE LIVINGSTON SEED CO.
BOX 103, COLUMBUS, O.

Horticultural Builders & Heating Engineers
PHILLIPS MFG. CO.,
Tel. 1851 Bergen. Jersey City, N. J.
In 1900 we built 5,726 square feet.
In 1901 " 21,276 square feet.
In 1902 " to date 14,962 square feet.
Have orders for 19,600. This should convince you we are progressive and up-to-date. See the range we are building for S. Untermeyer, Esq., Greystone, Yonkers, N.Y.; conceded by practical authority to be a perfect type of greenhouse. Call us up.

Boilers OF HIGH GRADE..

For GREENHOUSES.

See Our Catalogue.....
Steam and Hot Water. **Giblin & Co., Utica, N. Y.**

American Florist Advertisements Work Every Day.

MODEL EXTENSION CARNATION SUPPORT

Made with two or three circles. Endorsed by all the Leading Carnation growers as the best support on the market.

Pat. July 27, '97, May 17, '98

Prompt Shipment Guaranteed.

IGOE BROS.
226 North 9th St.,
BROOKLYN, N. Y.

TO KILL ALL
Greenhouse Bugs
USE
"NICOTICIDE"

Clean and harmless as **Fumigant** or **Spray**. Ask your seedsman for it or write to

The Tobacco Warehousing and Trading Co.,
1000 Magnolia Ave., - Louisville, Ky.

A. HERRMANN,

Cape Flowers, all colors,
Cycas Leaves, Metal Designs,
and All Florists' Supplies.

Send for Prices.
404-412 East 34th St. NEW YORK.

REED & KELLER,

122 West 25th St., NEW YORK.
Importers and Manufacturers of
FLORISTS' SUPPLIES.
Galax Leaves and all Decorative Greens.

NOTICE.

The special round trip excursion tickets announced from Chicago to New York City, Atlantic City and other New Jersey Sea Coast resorts on July 31st, August 7th and 14th, 1902, via the New York, Chicago & St. Louis Railroad Co., under the headings of "$18.00 to New York City and Atlantic City and Return," and "New York and Atlantic City at $18.00 for the Round Trip," by the Nickel Plate Road July 17th and 31st and August 7th and 14th, with return limits of 12 days, is hereby withdrawn and the rates abrogated. 40

Blight

Of Melons;
Of Asparagus;
Of Hollyhocks, etc.

Now is the time to check these diseases by spraying with **Bowker's**

"Blumeal"
For blight;

a dry Bordeaux, scientifically prepared. Add water and it is ready to use. 5 pounds for $1. Handbook of injurious insects and fungous diseases mailed free.

Bowker INSECTICIDE CO. BOSTON, MASS.

FOR KILLING
Bugs and Insects
SULPHO-TOBACCO SOAP
(PATENTED.)
Gives Best Results.
Cheap and Effective.
Sold by Seedsmen. A 3-oz trial cake, making 1½ gallons prepared solution, mailed for 10 cents.
Larkin Soap Co. BUFFALO, N. Y.

HEADQUARTERS FOR
HORTICULTURAL SUPPLIES
Of Every Description.
When you can't get what you want anywhere else, send here, we will send it to you.
"If it's used in Horticulture, we have it."
DUNNE & CO., 54 W. 30th St., New York.
Telephone Call, 1700 Madison Square.

KIFT'S Patent **ADJUSTABLE VASE HOLDER**
No. 1.—Brass, nickel, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) $2.25. Price complete (with green or white cornucopia vases) $2.50. No. 2.—Heavy 4 ft. rod, brassed and nickeled, with three clasps for 5 to 6-inch pots, each $1.75.
KIFT'S PATENT Rubber Capped FLOWER TUBES, 1¼-inch diameter, per 100, $3.50.
JOSEPH KIFT & SON, 1725 Chestnut St., Phila., Pa.

THE Regan Printing House
NURSERY SEED FLORISTS' **CATALOGUES**
87-91 Plymouth Place,
CHICAGO

FOR SOMETHING NEW AND NICE
"Cluster of Roses Stationery"
for Florists, is the latest. Both plain and in colors. Samples free by
DAN'L B. LONG, Publisher, BUFFALO, N. Y.

Louisville.

RAYNOR HAS FINE NEW PLACE NEARLY FINISHED.—GROWER PLANS NEW RANGE ACROSS THE RIVER. — PERSONAL AND TRADE DOINGS OF INTEREST.

Charles Raynor has his new range of houses well under way. He has the roses and chrysanthemums planted and is putting on the glass. The houses have the Garland gutter and are the most up-to-date around Louisville. One house is 31x300 feet and will cost about $10,000. He has 30,000 as fine carnation plants as were ever seen in this locality and is cutting hundreds of fine blooms from the outdoor stock.

Anders Rasmussen has purchased eight acres of ground and will erect greenhouses for the purpose of growing roses and carnations. The location is an excellent one, on Vincennes street, New Albany, Ind.

Wood & Stubbs have moved their store from Main street and now have two stores opposite each other at Brooks and Jefferson.

Several florists will attend the S. A. F. convention from here. Several outsiders interested in horticulture will attend.

This has probably been the best year for business the florists have ever had and they all wear a contented look.

One of C. H. Kunzman's greenhouses under construction was blown down by a wind storm recently.

Prof. Ernest Walker, of Fayetteville, Ark., formerly with F. Walker & Company, is visiting here.

Mrs. Ed. J. Marrett is selling her place off in building lots and will discontinue the business.

F. Walker & Company have purchased twelve acres of ground adjoining their plant.

H. Kleinstarink is building a handsome residence adjoining his greenhouses.

Oscar Trinler is making a specialty of Kaiserin roses for summer trade.

Jacob Schulz will celebrate his silver wedding in August. H. G. W.

CYPRESS

Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.

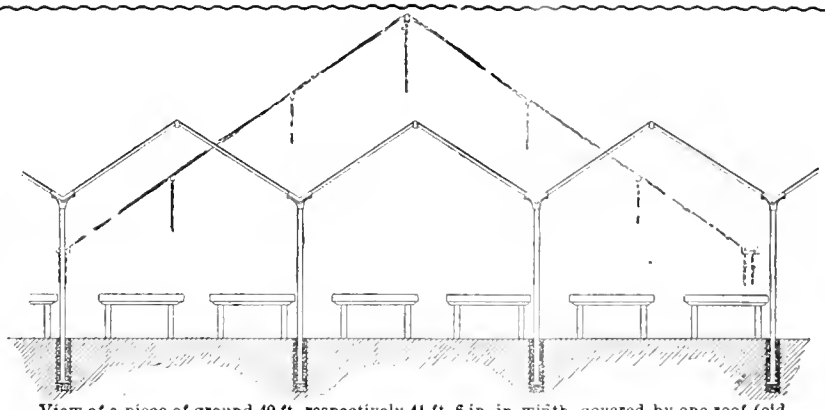
GALVANIZED WIRE—AT MARKAIN PRICES.

Fifty car loads of new galvanized wire, in short lengths. Never was used. Comes from 6 to 10 gauge. Put up 100 lbs. to a coil and only one size wire to each bundle. Prices range from $1.40 to $1.90 per 100 pounds.

Our Free Catalogue No. 47 for the asking. We handle all kinds of supplies from Sheriff's and Receiver's Sale.

Chicago House Wrecking Co.
West 35th and Iron Sts., Chicago.

Please mention the American Florist when writing.



View of a piece of ground 40 ft. respectively 41 ft. 6 in. in width, covered by one roof (old style), and also by three sections of our Patent "Short-Roof" Construction. Compare headroom over benches and number of supports.

SHORT-ROOF GREENHOUSES. (Patented.)
.....WRITE FOR CATALOGUE.....

A. DIETSCH & CO., Patentees

Manufacturers of California Red Cedar and Louisiana Cypress Greenhouse Material.

615-621 Sheffield Ave., CHICAGO.

MASTICA

FOR Greenhouse Glazing

USE IT NOW.

F. O. PIERCE CO.
170 Fulton St.,
NEW YORK

CYPRESS WRITE FOR CATALOGUE

GREENHOUSE MATERIAL OF EVERY DESCRIPTION

JOHN C. MONINGER CO. 111 TO 125 BLACKHAWK ST. COR. HAWTHORNE AVE. CHICAGO.

DILLON'S GREENHOUSE MFG. CO. Bloomsburg, Pa.

MANUFACTURERS OF HOT BED SASH, AIR DRIED GULF CYPRESS SASH BARS AND OTHER GREENHOUSE MATERIAL.

BUILDERS of DURABLE and PRACTICAL Greenhouses at a LOW COST.

Our descriptive circular contains valuable information for every florist. Send for it.

SUB-WATERING BEDS (Patent applied for) For Carnations, Roses, Violets and Lettuce. Give them a trial this year and increase quantity, improve quality and save labor. Next year you will want all your beds made our way. The cost is reasonable.

GEO. M. GARLAND,
IRON GUTTERS AND POSTS.

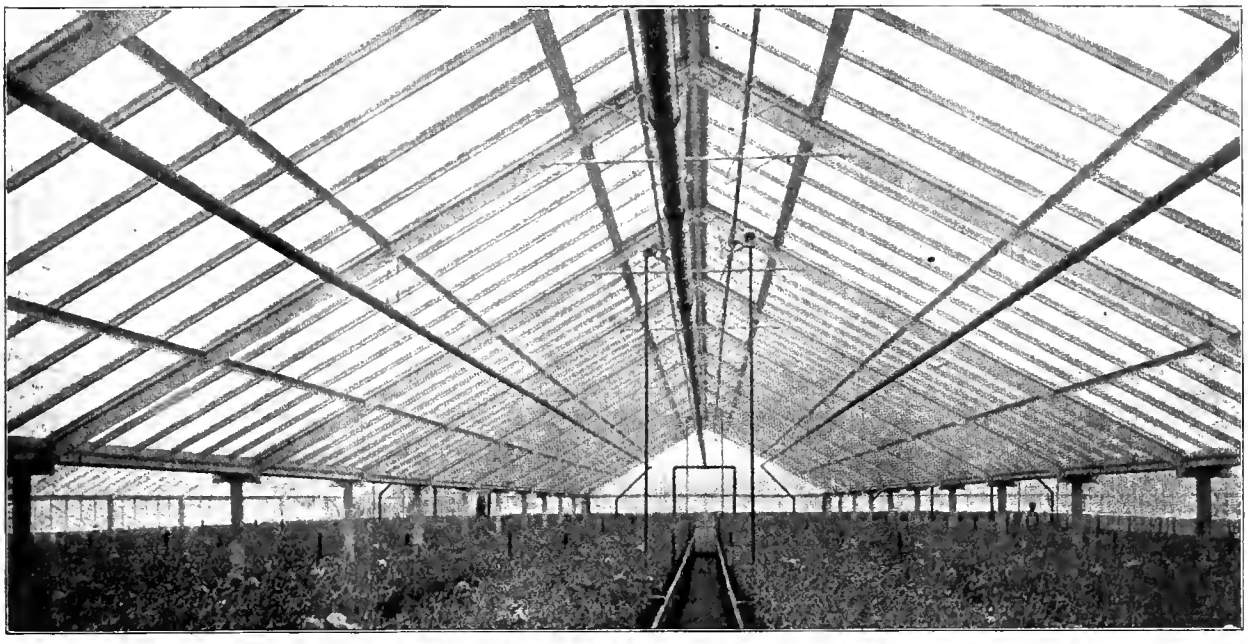
Testimonials from leading growers.
Send for Catalogue.
GEO. M. GARLAND, Des Plaines, Ill.

JOHN C. MONINGER CO., CHICAGO, SELLING AGENTS.

Please mention the American Florist to advertisers.

THOS. W. WEATHERED'S SONS,

HORTICULTURAL ARCHITECTS AND BUILDERS AND MANUFACTURERS OF HEATING AND VENTILATING APPARATUS.



THE ABOVE ILLUSTRATES OUR IRON CONSTRUCTION WITH IRON GUTTER, MADE IN LENGTHS UP TO 25 FEET. FROM A PHOTOGRAPH OF THE CRESSBROOK GREENHOUSES, FALL RIVER, MASS.

For further information address **THOS. W. WEATHERED'S SONS, 56 Marion St., New York.**

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GLASS that is POPULAR with FLORISTS

It is our large yearly output and sales that permit us to make close prices on all kinds of Glass, Good Glass. The strength and superiority of our Glass we guarantee. For hot or greenhouses, conservatories, etc., it cannot be equaled. Lucas Glass is popular with Florists in all sections of the country. Price lists and illustrated pamphlets gladly furnished on application.

JOHN LUCAS & CO., 320 RACE ST., PHILADELPHIA, PA.

FROM FACTORY TO CONSUMER

D. O. Cunningham Glass Co.,

PITTSBURG, PA.

Tank Window Glass.
Hot-House Glass A Specialty.

H. M. HOOKER CO.

Window Glass, Paints and Putty, Greenhouse Glass a Specialty.

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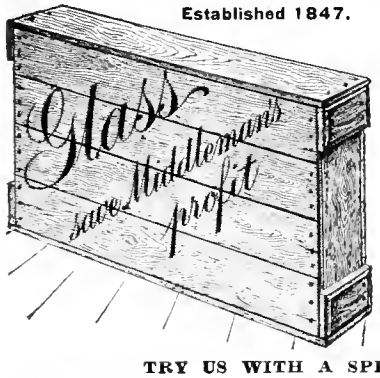

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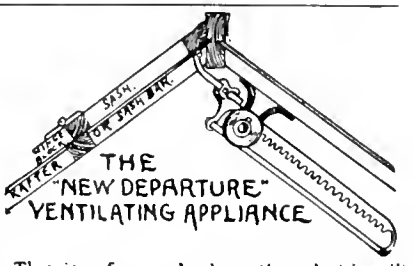

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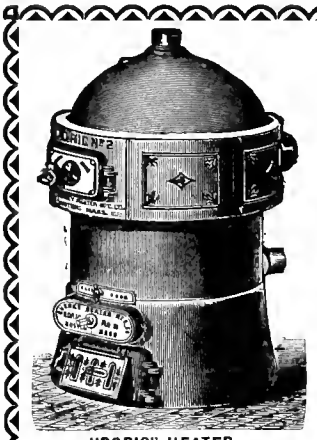
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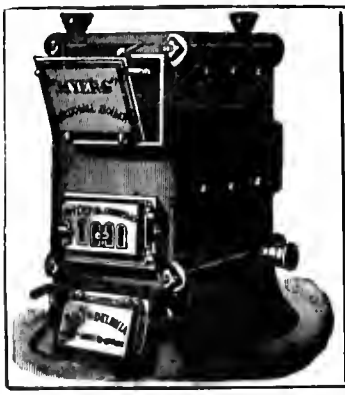
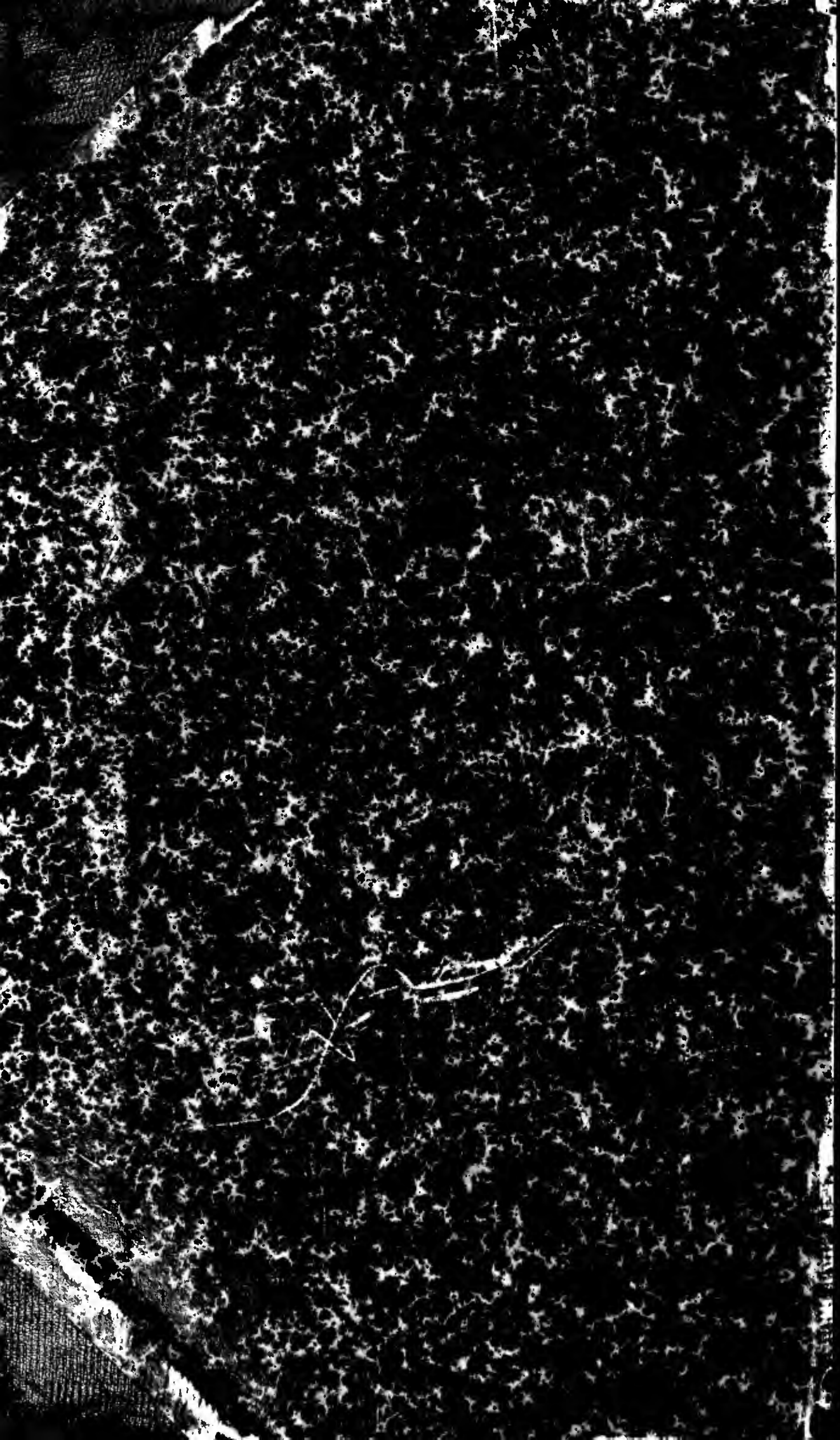
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